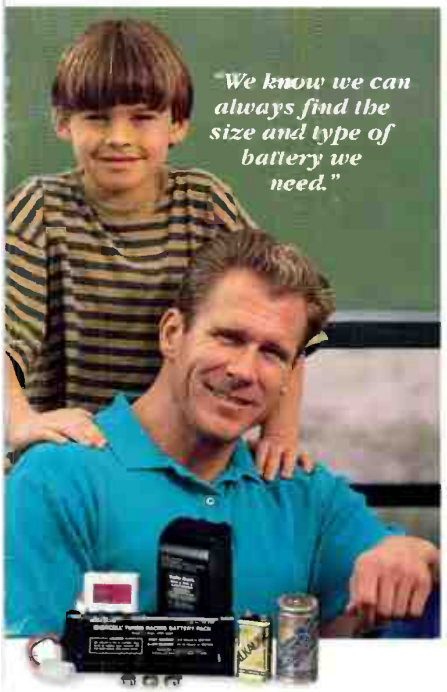
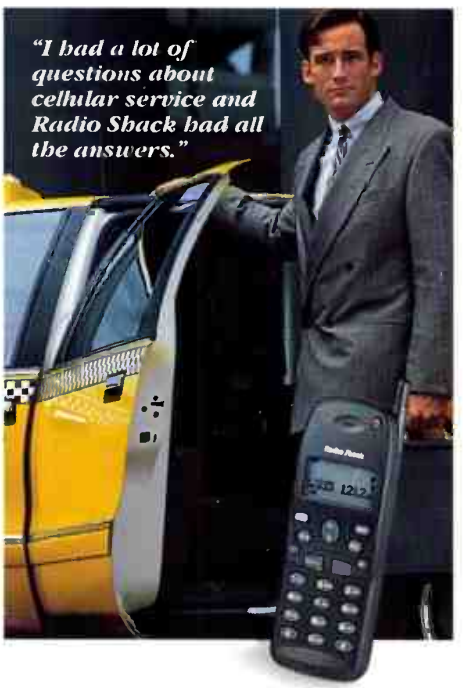
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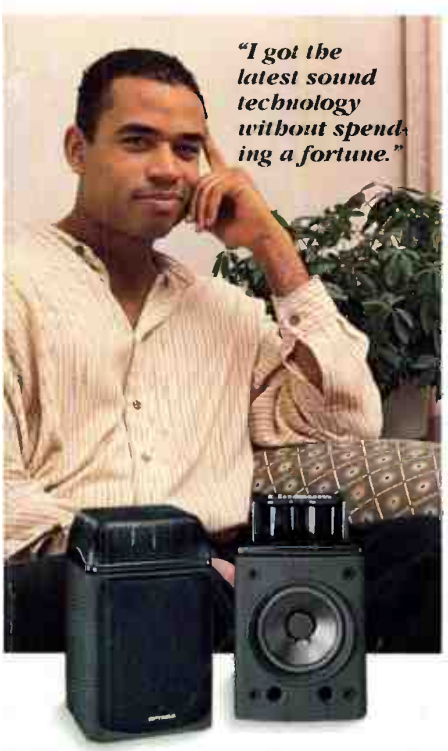
# You've got questions. We've got answers.℠





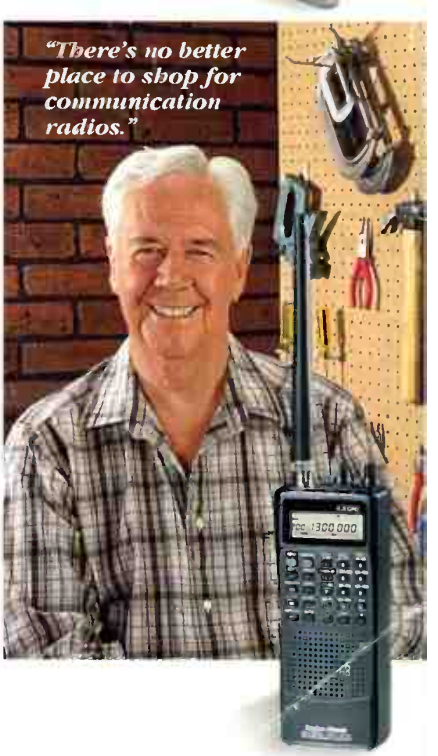








*Our 1996 catalog brings you thousands of exciting products plus a wealth of information about electronics. Discover what 60 million satisfied customers know: When you've got questions, we've got answers!*




RadioShack®

World Radio History

# RadioShack®

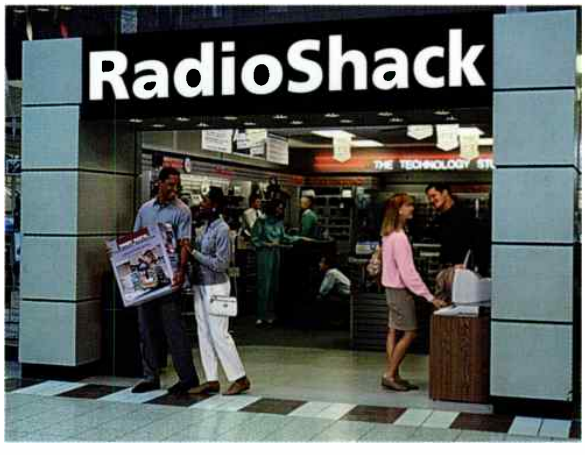
*If you're like most of our 60 million customers, you probably know Radio Shack as "that convenient, close-by store with everything in electronics." And you're right. Since 1921, Americans have made Radio Shack the place to shop for innovative electronics and a superb selection of parts and accessories.*




*Today, we're 75 years, 6,600 stores and 25,000 people strong. And as we look to the future, our goal is to offer you even more reasons to shop your nearby Radio Shack. The latest technologies... the finest quality... the best values. And always, the right answers to your questions.*

**RadioShack. unlimited™**
Tens of thousands of unique and hard-to-find items delivered to you.
See pages 4&5

**Cellular Headquarters**
Cellular phones, activation, antennas, batteries, accessories and *answers*.
See pages 26-28




**THE REPAIR SHOP®**
**RadioShack.**
Out of whack? Out of warranty? We fix most major brands of out-of-warranty electronics.
See page 219

**RadioShack. Gift Express®**
We can wrap a gift, add a card and ship it anywhere in the US via FedEx® delivery service.
See page 219

## *We Take the **Mystery** Out of Electronics*

*You're holding one of the most trusted resources in electronics—the Radio Shack catalog. Our 60 million customers know: for reliable information about the latest technologies, it's the book to turn to.*

Q&A ***Any questions?*** *Look for "Q&A" sections throughout the catalog. Each offers clear descriptions of product features and explanations of technologies to keep you in the know.*

Buzz WORDS ***Electronic terms got you baffled?*** *Thumb through these pages for helpful "Buzz Words"—clear, concise definitions that are easy to understand.*

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## Welcome!

*As president of Radio Shack, it's my great pleasure to invite you to browse the pages of our 75th Anniversary catalog.*

*Throughout it, you'll find thousands of electronics items for your entertainment, education, convenience, safety and enjoyment. It's typical of the innovative selection that's made us the choice of millions of shoppers since 1921.*

*But that's not all we offer.*

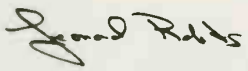
*At Radio Shack you'll find knowledgeable, trustworthy people who are continually trained to provide helpful advice about today's technologies. Their dedication to taking the "mystery" out of electronics is one reason we're proud to say, "You've got questions. We've got answers."*

*We're also proud to offer you exclusive services like electronic gift delivery through Radio Shack Gift Express... special order delivery through Radio Shack Unlimited... and guaranteed electronics repair service through The Repair Shop at Radio Shack.*



*These, too, are examples of our commitment to providing answers to your needs.*

*I hope you'll enjoy browsing our catalog, and I invite you to visit your nearby Radio Shack any time you need an electronics product, part, accessory, service... or just an answer to a question. Thanks for shopping with us!*



**President, Radio Shack**

ROCK AND ROLL HALL OF FAME + MUSEUM

**RadioShack**
OFFICIAL SPONSOR

Radio Shack is proud to be the first corporate sponsor of the Rock and Roll Hall of Fame + Museum. Located in Cleveland, Ohio, *The House That Rock Built*™ gives visitors the opportunity to explore rock's ongoing evolution and impact on society.

Radio Shack's line of hi-fi audio equipment has its roots in the early 1950s, when rock began sweeping the nation. As we continue our 40-year tradition of delivering great sound through affordable, high-quality audio equipment, Radio Shack salutes rock and roll music, an American classic.

The House That Rock Built is a service mark used by the Rock and Roll Hall of Fame + Museum Foundation, Inc

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## Looking for something special? Tens of thousands of additional items are available through...

# RadioShack® unlimited℠

Unique and Hard-To-Find Items Delivered To You.




*Our **Radio Shack Unlimited**℠ service brings a superstore to your door! We offer an extraordinary variety of products at competitive prices—order them at your nearby Radio Shack and they'll be delivered right to your home, office, or anywhere else in the U.S. It's the ultimate in selection, the ultimate in convenience!*

*Visit our in-store display and see all the choices Radio Shack Unlimited has waiting for you—hundreds of new items and many new categories are being added regularly.*

*You'll find the Radio Shack Unlimited catalogs at participating Radio Shack stores and dealers. We'll help you find what you're looking for and place your order for convenient delivery direct to your door. It couldn't be easier!*





## Take a look at our huge catalog-order selection!

### Audio and video

*We're your source for public address and sound reinforcement equipment... that hard-to-find phono cartridge or stylus no one else seems to have... auto sound installation kits designed to custom-fit your car... satellite TV components and accessories... TV mounts in dozens of styles and colors for your home or business... audio/video system furniture, and more.*



Shipping procedures may vary at some dealer/franchise stores. Shipping charges may apply.

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## Music, movies and video games

*Radio Shack Unlimited puts thousands of titles at your fingertips: hot new video games that you can reserve before they hit the market... classic movies on video... and an extensive music selection, including hundreds of popular sing-along karaoke cassettes.*





## Computer hardware and software

*We deliver a wide selection of name-brand hardware, as well as memory upgrades... surge suppressors and power supplies... peripherals, parts and accessories. We also offer a vast selection of software, including the latest releases from top publishers.*





## Communications

*Whether you're looking for a special-purpose radio or an accessory, we can get it to you fast. Browse our Radio Shack Unlimited selection of amateur radio gear... handheld and base-station marine rigs... and a huge assortment of antennas, radio crystals and accessories.*



## Batteries, phones, cellular products

*We supply the batteries you won't find elsewhere: types for cordless and cellular phones, camcorders, computers and portable game systems, along with the chargers you need to make sure you're always powered up. And we offer an outstanding array of unique telephones and accessories—unmatched by any other retailer.*







## Parts, components and kits

*Radio Shack Unlimited is a do-it-yourselfer's paradise, with an incredible selection of replacement parts for Radio Shack electronics—even hard-to-find vacuum tubes! We offer a big lineup of project kits that teach electronics principles while providing an enjoyable do-it-yourself experience for hobbyists.*





## Personal, home and office products

*We provide such specialty items as helpers for persons with special needs... home and auto security systems... telescopes and binoculars... electronic chess and bridge games... calculators and electronic reference products... word processors, fax machines, labelers and laminators... plus dozens of accessories including print ribbons and paper tapes for word processors and adding machines.*









World Radio History

# Radio Shack Cordless Telephones

*Radio Shack brand cordless phones are designed and built to exacting standards. Each is checked 40 different ways, including temperature extremes, drop survival and "real-world" testing. We're so confident of their quality that we back them with a One-Year Limited Warranty.* See store for details.





**Buzz WORDS**

***Advanced Super CCT Circuitry.*** *Special "compander" noise-reduction circuit that dramatically cuts static for sound that rivals many corded phones.*

***Automatic Access-Protection Code.*** *An auto-set digital security code that helps prevent unauthorized access by other cordless phone users in your vicinity. A must for apartment dwellers!*

***Multichannel Operation.*** *Automatically seeks out the best of 10 or 25 different operating channels to minimize interference and maximize phone's performance.*

***900 MHz Operation.*** *The very latest in cordless technology. Gives you exceptional range with unparalleled sound quality.*

***Flash button.*** *A "pause" button that makes it easy for you to enjoy special phone company services like Call Waiting and 3-Way Calling.*



**New Upright with LCD display on the handset, lighted keys, 10 channels, 30-number memory**

ET-532. Unique multifunction handset display shows phone number of up to 12 digits, plus channel and memory index numbers, and an icon to indicate when the battery needs charging. For clear sound, you get automatic 10-channel operation and CCT circuitry. Page button on charging base lets you signal someone at the handset. The paging feature also helps you find a misplaced handset—just touch a button on the base to "beep" it. Other handy features include automatic security coding and COM-LOK to keep other nearby cordless handsets off your phone line, a 32-digit redial memory, and special circuitry that gives you longer use time between charges. (TSP)

**43-1032** ..... 129.99

**Upright with big buttons, CCT sound, 10-channel operation and 30-number memory**

ET-493. This space-saver features large keys and a lighted keypad to make it easy to use—even in the dark. Advanced Super CCT circuitry and 10-channel selector provide optimum sound quality. A volume control on the handset lets you adjust the volume to a personalized comfort level. Handset stands upright in the compact charging base—saves space on a desk, bedside table or kitchen counter. Flexible antenna resists breakage. We've also included base-to-handset paging so you can signal someone at the handset or "beep" the handset to find it when misplaced. Handset privacy button mutes outgoing sound—you never need to cover the microphone with your hand. LED low-battery indicator. Was $129.99 in 1995 catalog. (TSP)

**43-575,** New Low Price! **119.99**

Radio Shack cordless phones have standard modular plugs and are Touch-Tone/pulse dialing. Many include a wall-mountable base.

World Radio History

# Cordless Selection! We Give You Choices

*What do you need in a cordless phone? How much can you spend? What will look best in your home or office? To make your decision easier, we offer a big selection of cordless phones... and our store people will help you determine which one's best for you.*



### 10 channels and 10 memories

**ET-507.** This quality cordless has the most-wanted features: 10-channel operation and CCT for clear sound, digital security coding, base-to-handset paging, flash button (see Buzz Words), backlit keypad, adjustable handset volume, the convenience of 10-number memory, even a retractable rubber antenna. For desktop or wall. Was $129.99 in 1995 catalog. (TSP) **43-1012, New Low Price!** ..... **89.99**

*Available Oct. 15, 1995*



### New Upright with 10 channels, CCT and 10 memories

**ET-531.** This good-looking space-saver provides the clean sound you're looking for. Automatic 10-channel operation finds the "cleanest" channel for you. An LED display on base shows current operating channel. You also get flash button, rubber keypad, manual channel selector, last-number redial, base-to-handset paging, rubber flex antenna. (TSP) **43-1031** ..... **89.99**



### 10 channels, CCT, 20-number memory

**ET-442.** Its small "footprint" makes this upright a real space miser. Advanced Super CCT circuitry and automatic 10-channel operation help you enjoy extra-clear sound. You also get 20-number memory for speed dialing, 65,000-combination auto-set security code, last-number redial and flash buttons, plus convenient base-to-handset paging. Was $119.99 in 1995 Catalog. (TSP) **43-574 New Low Price! .99.99**



### 10 channels, CCT and 10 memories

**ET-498.** This clear-sound trim-style has auto-connect to let you answer a call without pushing any buttons when lifting handset off base. Base-to-handset paging, flash button, last-number redial and COM-LOK protection. Was $119.99 in 1995 Catalog. (TSP) **43-1003, New Low Price!**.... **79.99**



### New Upright, CCT ultra-compact base

**ET-508.** We've packed a lot into this little cordless. You get 10-channel operation with manual channel selector, 10-memory dialing, clear-sound circuitry and automatic security coding. Includes base-to-handset paging, flash button, last-number redial, and rubber flex antennas on base and handset. (TSP) **43-1015** ..... **79.99**



### CCT circuitry and 9-number memory

**ET-397.** Great sound and operating range thanks to CCT circuitry. Store nine frequently used phone numbers in memory for quick dialing. Flash button for phone company services, last-number redial, security coding and flex antenna. Was $79.99 in 1995 Catalog. (TSP) **43-568, New Low Price!** .... **59.99**



### Budget upright with CCT sound

**ET-502.** Advanced Super CCT circuit for clarity and 65,000-combination digital coding for security. You also get base-to-handset paging, last-number redial, flash button for Call Waiting and 3-Way Calling, plus a rubber antenna. Was $79.99 in 1995 Catalog. (TSP) **43-1005, New Low Price!**..... **59.99**



### Budget trim-style with 10 memories

**ET-497.** Familiar trim styling plus popular cordless features, like CCT clear-sound circuitry, 10-number auto-dialing, and automatic access-protection code to block other cordless users from using your phone line. Last-number redial. Flexible handset antenna. Was $89.99 in 1995 Catalog. (TSP) **43-1002, New Low Price!**... **59.99**



### New Ultra-compact upright with CCT

**ET-509.** You don't have to sacrifice the clear, clean sound of CCT circuitry with this ultra-affordable upright. We've also included digital coding for security, flash/pause and redial buttons, charge LED on base, and talk LED on handset. Extended battery life. Also has flexible rubber antennas on both the base and handset. (TSP) **43-1017** ..... **59.99**

All Radio Shack cordless phones are FCC registered and conform to U.L. standards.

World Radio History

# Enjoy the freedom of a cordless phone.



## New Sony 25-channel cordless phone with base telephone

**SPP-Q405.** You get a cordless phone plus a base telephone with speakerphone. Automatic 25-channel operation and Compander ProSound® noise reduction combine to deliver excellent sound clarity. The lighted keypad makes dialing in low light simple. Features a dual-battery system and one-month battery standby time to keep you talking. Convenient any-key answer—you can push any button to answer a call. Also features 2-way paging and an intercom to keep users in touch around the house or office. One-touch priority dialing of three numbers, plus speed dialing of seven more numbers. Base is wall mountable. (TSP) **43-8007** ..... **189.99**

## Better Sound Quality

*All Radio Shack-brand cordless phones feature Advanced Super CCT Circuitry that dramatically reduces static for sound that rivals many corded phones. You don't have to give up sound quality to get the convenience of a cordless—at Radio Shack you can get both.*



## Cordless headset telephone

**ET-474.** Great for anywhere you need your hands free while on the phone. You can answer and hang up from the ultra-lightweight headset with adjustable boom mike. Handy belt clip gives you greater freedom of movement. Advanced Super CCT circuitry for sound that rivals corded phones. Also has convenient one-touch redial, flash button for use with special phone services, volume control, 64,000-combination auto-select security code and LED low-battery indicator. Hearing aid compatible. (TSP)
**43-569** ..... **139.99**



## Super CCT sound with paging and fashion styling

**ET-504.** The elegant styling of the ET-504 really sets it apart from other cordless phones. But its true beauty isn't just skin-deep: it offers a full complement of the most-wanted features, including Advanced Super CCT circuitry for excellent sound clarity, base-to-handset paging to signal someone or to find a mislaid handset, plus last-number redial, flash for use with special phone services, and privacy button. Also features a low-battery indicator and extended battery circuitry. The 64,000-combination security code protects your line from unauthorized access by nearby cordless users. (TSP) **43-1007** ..... **99.99**

*Available Oct. 15, 1995*



## New See-through cordless phone with memory

**ET-518.** The clear handset and base let you see what's going on inside—kids love it. Features Super CCT circuitry for excellent sound clarity that rivals many corded phones. 65,000-combination security code automatically changes to prevent other nearby cordless phones from accessing your line. Base-to-handset paging helps you find the handset. Has a 9-number speed-dialing memory. Also features a one-touch redial button, pause button, and flash button for use with special phone services. Flexible rubber antenna. LED low-battery indicator. Wall mountable. (TSP) **43-1018** ..... **79.99**

### Upright cordless telephones

| Model | Cat. No. | Page | Advanced CCT Circuitry | Channels | Memories | Digital Security Code | Redial | Flash | Extended Battery Life | Low Batt. Indicator | Paging | Privacy | Ringer Volume Control | Handset Volume Control | Lighted Keypad | Intercom | 900-MHz | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ET-502 | 43-1005 | 7 | ✔ | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | 59.99 |
| ET-509 | 43-1017 | 7 | ✔ | | | ✔ | ✔ | ✔ | ✔ | | | | | | | | | 59.99 |
| ET-588 | 43-1015 | 7 | ✔ | 10 | 10 | ✔ | ✔ | ✔ | ✔ | | ✔ | | | | | | | 79.99 |
| ET-531 | 43-1031 | 7 | ✔ | 10 | 10 | | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | 89.99 |
| ET-442 | 43-574 | 7 | ✔ | 10 | 20 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | | | | | 99.99 |
| ET-493 | 43-575 | 6 | ✔ | 10 | 30 | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | 119.99 |
| ET-532 | 43-1032 | 6 | ✔ | 10 | 30 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | ✔ | ✔ | | | 129.99 |
| ET-474 | 43-569 | 8 | ✔ | | | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | | ✔ | | | | 139.99 |
| SPP-Q405 | 43-8007 | 8 | ✔ | 25 | 10 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | ✔ | ✔ | | 189.99 |

### Trim style cordless telephones

| Model | Cat. No. | Page | Advanced CCT Circuitry | Channels | Memories | Digital Security Code | Redial | Flash | Extended Battery Life | Low Batt. Indicator | Paging | Privacy | Ringer Volume Control | Handset Volume Control | Lighted Keypad | Intercom | 900-MHz | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ET-497 | 43-1002 | 7 | ✔ | | 10 | ✔ | ✔ | ✔ | ✔ | ✔ | | | ✔ | | | | | 59.99 |
| ET-397 | 43-568 | 7 | ✔ | | 9 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | 59.99 |
| ET-518 | 43-1018 | 8 | ✔ | | 9 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | 79.99 |
| ET-498 | 43-1003 | 7 | ✔ | 10 | 10 | | ✔ | ✔ | ✔ | | ✔ | ✔ | ✔ | | | | | 79.99 |
| ET-504 | 43-1007 | 8 | ✔ | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | 99.99 |
| ET-507 | 43-1012 | 7 | ✔ | 10 | 10 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | ✔ | ✔ | | | 89.99 |
| SPP-ER1 | 43-8006 | 9 | ✔ | 40 | 20 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | ✔ | | ✔ | ✔ | 199.99 |
| ET-905 | 43-1080 | 9 | ✔ | 60 | 20 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | ✔ | 249.99 |
| ET-909 | 43-1084 | 9 | ✔ | 100 | 10 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | ✔ | 279.99 |

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores — ask about our ordering service (items subject to availability)

World Radio History

# Top-Quality Cordless

*Our 900-MHz phones feature the very latest cordless technology so you get exceptional range and sound quality that surpasses many corded phones, but without the hassle and limit of a cord.*



*Available Oct. 30, 1995*

**New 900-MHz and Digital Spread Spectrum**

**ET-909.** 900-MHz for increased clarity and range, plus Digital Spread Spectrum for exceptional sound and security. Range is so great you can even take the handset with you when working in the yard or visiting the neighbors. A warning light tells you when you're too far from the base. With automatic talk mode, answer a call just by picking up the phone from the base—no buttons to push. Has 10-number memory, base-to-handset paging, redial, 100 channels. (TSP)
**43-1084** ..... **279.99**



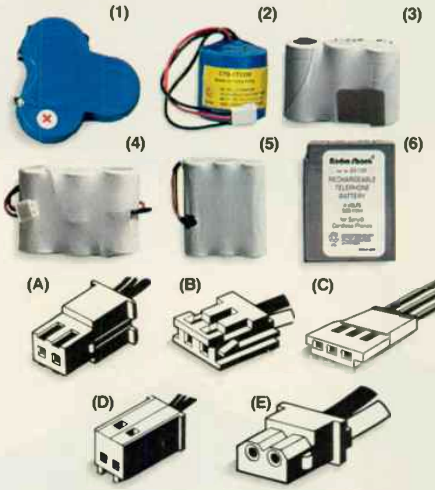

**New Sony 900-MHz with speakerphone**

**Sony SPP-ER1.** The 900-MHz operation, Compander ProSound® circuitry, and 40-channel auto-scan all combine to deliver amazing range and sound clarity. Also features a convenient 20-number memory, one-touch redial button and flash button for use with special phone services like Call Waiting. Also features base-to-handset paging. Speakerphone in base. 5-day standby battery power. (TSP)
**43-8006** ..... **199.99**



**New 900-MHz and 60 channels**

**ET-905.** Automatically scans all 60 channels to find the one with the least interference. 900-MHz and Super CCT circuitry also help deliver excellent sound quality. Also features 20-number memory, base-to-handset paging and one-touch redial and privacy buttons. Flash button lets you access special phone services like Call Waiting. 1,000,000-combination security code protects your line from other nearby cordless users. Uniquely styled base. **43-1080**..... **249.99**




**Replacement batteries for use in Radio Shack and other cordless phones**

Replace those tired cordless phone batteries with a fresh set of Radio Shack rechargeables. Photos above show the type of connector plug used on each battery pack.

| Fig. | Volts | Ah | Connector | Cat. No. | Each |
|---|---|---|---|---|---|
| 1 | 3.6 | 0.280 | A | 23-192 | 9.99 |
| 2 | 3.6 | 0.280 | A | 23-195 | 9.99 |
| 2 | 3.6 | 0.280 | C | 23-199 | 9.99 |
| 2 | 3.6 | 0.280 | D | 23-194 | 9.99 |
| 2 | 3.6 | 0.280 | E | 23-282 | 9.99 |
| 3 | 3.6 | 0.250 | Plate | 23-172 | 9.99 |
| 4 | 3.6 | 0.280 | A | 23-281 | 9.99 |
| 4 | 3.6 | 0.250 | B | 23-197 | 9.99 |
| 4 | 3.6 | 0.280 | D | 23-280 | 9.99 |
| 4 | 3.6 | 0.250 | E | 23-196 | 9.99 |
| 5 | 3.6 | 0.650 | A | 23-193 | 9.99 |
| 6 | 4.0 | 0.500 | For Sony | 23-198 | 16.99 |



**New Universal belt clip for cordless phones**

Attaches easily and securely to your cordless phone so your hands are free. Also great for cellulars, personal stereos, garage door openers.
**43-168** ..... **4.99**



**Protective handset carrying case**

Added convenience for your cordless. Hooks on a belt loop. Protects and provides hands-free carrying for most handsets. Soft black vinyl.
**43-190**..... **5.49**



**Flexible antenna**

Replaces inconvenient, bent or broken telescoping antennas on most cordless handsets. No need to remove your existing antenna.
**43-191**..... **5.99**

*See page 141 for our full line of exact-replacement antennas.*

Radio Shack cordless phones have standard modular plugs and feature Touch-Tone/pulse dialing. Many include a wall-mountable base.

World Radio History

# Space-saving cordless phone/answerer combos.



Available Nov. 30, 1995

## New 25-channel cordless combo with message alert forwarding

**TAD-268.** Deluxe cordless phone and feature-packed answering machine in one! Answerer has remote operation capabilities, toll-saver, call monitor, call screening, memo and two-way conversation recording. Auto-call forwarding dials a telephone or pager number of your choice to let you know that you have received a message. Voice-activated operation helps conserve tape. You can even operate the answerer from the phone handset. The high-quality cordless with advanced noise-reduction system and 25 channels gives you excellent sound quality. Also features 10-number memory, last-number redial, base-to-handset paging, intercom and charge indicator. (TSP)

**43-738** ..... **179.99**




## New Sony® cordless phone with all-digital answerer

**SPP-A5000.** Fully digital answerer—no tapes to break or buy. The message-playback shuttle control lets you find specific messages instantly and listen to them at variable speeds. Features a digital message counter and audible message indicator. Memo and conversation recording. Voice-assisted operation guides you through the set-up. Built-in cordless phone features Compander Prosound™ to filter out static and background noise. 10-channels with auto-scan selects the clearest channel. Dual-battery pack system—use one in the handset while another charges in the base unit. 10-number speed-dialing memory, 2-way base-to-handset paging. Includes 2 battery packs. (TSP)

**43-8005** ..... **239.99**

## *Choose the Answerer With the Features You Want*

*Our wide selection includes all-digital models, phone/answerer combos, even models with voice-assisted operation. Check the handy chart below to find the one with the special features you want.*

### *Four Basic Types of Answerers*

***All-Digital Answerers.*** *Record both outgoing and incoming messages on a computer chip—there are no tapes to break or wear out. Also provide convenient new capabilities over tape-based machines. For example, you can delete individual messages while saving the rest.*

***With Digital Outgoing Message.*** *Record your outgoing message on an ultra-reliable digital chip. Store incoming messages on a single tape so you can save important ones.*

***Dual-Microcassette Answerers.*** *Store outgoing and incoming messages on separate tapes—make it easy for you to save important incoming messages and build a library of outgoing messages.*

***Single-Microcassette.*** *Record both outgoing and incoming messages on a single tape. These machines are compact, low cost, and let you save important messages.*

**Find the answerer with the features you want**

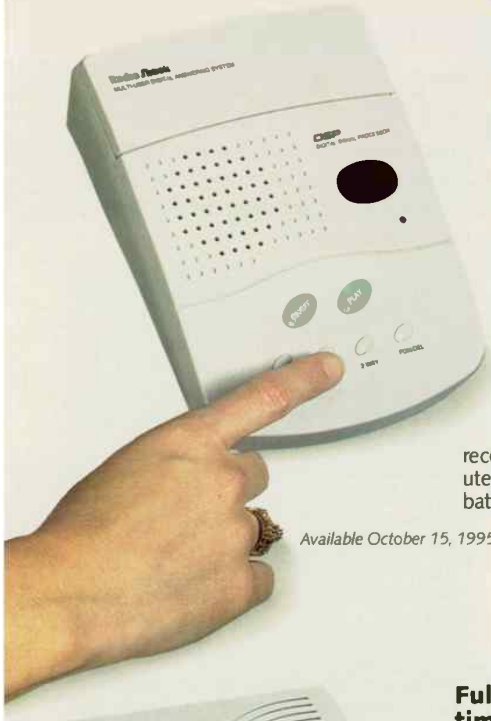
| Model | Cat. No. | Page | Digital Outgoing Message | Digital Incoming Message | Digital Recording Time | Remote Oper. | Day/Time Stamp | Message Counter/ Indicator | Call Monitor | Memo Record | 2-Way Record | Room Monitor | Voice Mail | Voice Assisted Operation | Redial | Flash | Memory | Cordless | CCT | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAD-514 | 43 752 | 12 | | | | ✔ | | ✔ | ✔ | | | | | | | | | | | 49.99 |
| TAD-222 | 43 722 | 12 | ✔ | | | ✔ | | ✔ | ✔ | ✔ | | | | | | | | | | 59.99 |
| TAD-275 | 43-761 | 12 | ✔ | | | ✔ | | ✔ | ✔ | ✔ | | | | | | | | | | 59.99 |
| TAD-1003 | 43-743 | 11 | ✔ | ✔ | 14 min. | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | | | | | | | | 69.99 |
| TAD-518 | 43-715 | 12 | | | | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | 79.99 |
| TAD-516 | 43-754 | 12 | ✔ | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | 79.99 |
| TAD-1002 | 43-742 | 11 | ✔ | ✔ | 28 min. | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | 79.99 |
| TAD-276 | 43-762 | 12 | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | 89.99 |
| TAD-1007 | 43-747 | 11 | ✔ | ✔ | 28 min. | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | ✔ | | | | | | | 89.99 |
| TAD-1001 | 43-741 | 11 | ✔ | ✔ | 10 min. | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | | ✔ | | | | | | 89.99 |
| TAD-1005 | 43-745 | 11 | ✔ | ✔ | 60 min. | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | 99.99 |
| **Phone/answerer combos** | | | | | | | | | | | | | | | | | | | | |
| TAD-539 | 43-765 | 13 | | | | ✔ | | ✔ | ✔ | ✔ | | | | | ✔ | ✔ | | | | 69.99 |
| TAD-278 | 43-767 | 13 | ✔ | | | ✔ | | ✔ | ✔ | ✔ | | | | | ✔ | ✔ | | | | 79.99 |
| TAD-253 | 43-763 | 13 | ✔ | | | ✔ | | ✔ | ✔ | ✔ | | | | | ✔ | ✔ | | | | 89.99 |
| TAD-245 | 43-766 | 13 | ✔ | | | ✔ | | | ✔ | | | | | | ✔ | | | | | 99.99 |
| TAD-1004 | 43-744 | 13 | ✔ | ✔ | 14 min. | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | | | ✔ | ✔ | 13 | | | 129.99 |
| TAD-268 | 43-738 | 10 | ✔ | | | ✔ | | | ✔ | ✔ | ✔ | | | | ✔ | ✔ | 10 | ✔ | ✔ | 179.99 |
| SPP-A5000 | 43-8005 | 10 | ✔ | ✔ | 15 min. | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | ✔ | ✔ | ✔ | 10 | ✔ | ✔ | 239.99 |

All Radio Shack phones are FCC registered. Tandy Service Plan available.

World Radio History

# No Tapes! All-Digital Answering Machines

*These all-digital telephone answerers record both outgoing and incoming messages on a computer chip, ensuring super-clear sound quality. All Radio Shack answering machines offer outstanding quality and features—there's one that's right for you.*



### New Fully digital answerer with mailboxes for four users

**TAD-1005.** Great for a busy home or small business. Four mailboxes allow callers to leave messages for specific people or departments. Each mailbox has a 2-digit security code—only the user of that mailbox can retrieve messages. All incoming and outgoing messages are digitally recorded. Voice-assisted operation makes set-up simple. Also features voice time/day stamp on each incoming call, call monitor so you can hear who's calling, memo recording, 2-way conversation recording and room monitor. Announce-only mode plays your outgoing message but will not record an incoming message. Toll-saver helps you save when you call long-distance to check messages. Remote operation to turn answerer on, retrieve messages, change outgoing message and more from a Touch-Tone phone. Voice-activated recording records only when the caller is speaking. 60 minutes recording time. Memory backup requires 9V battery. (TSP) **43-745** ..... **99.99**

*Available October 15, 1995*



### Fully digital, with time/date stamp

**TAD-1001.** Outgoing and incoming messages are recorded on a computer chip. Voice-assisted operation helps you program the answerer. With one touch, you can quickly skip to the next message. Time/day voice stamp tells you when each incoming message was received. Remote operation with security code to ensure that only you can retrieve your messages. Also features toll-saver, call monitor for screening incoming calls, and room monitor. 10 minutes recording time. Memory backup requires 4 "AA" batteries. Was $99.99 in 1995 Catalog. (TSP) **43-741** ..... New Low Price! **89.99**



*Available October 30, 1995*

### New Multi-user, fully digital phone answerer

**TAD-1007.** Records outgoing and incoming messages digitally so there are no hassles with cassettes. Four user mailboxes make it ideal for families or businesses—callers can leave messages for specific people or departments. Time/day voice stamp tells you when each call was received. With a Touch-Tone phone, you can retrieve messages, change your outgoing message, monitor the room, and more. Call monitor lets you hear who is calling before you decide to answer. Toll-saver saves on long-distance charges. Voice-activated recording records only when the caller is speaking. 28 minutes recording time. (TSP) **43-747** ..... **89.99**



### Attractive digital answerer with remote operation

**TAD-1002.** All messages are recorded on a digital computer chip so there are no tapes to break or wear out. Automatically stops and resets when any extension is picked up. Remote operation lets you call in from any Touch-Tone phone, turn answerer on or off, change outgoing message, retrieve messages and save or erase them. With 2-way recording you can record a conversation. At the touch of a button, play, stop, fast-forward or repeat messages. Delete selected or all messages. 28 minutes recording time. Memory backup requires 9V battery. Was $89.99 in '95 Catalog. (TSP) **43-742** ..... New Low Price! **79.99**



### New Low-cost digital answerer

**TAD-1003.** A great price for a fully digital answerer with all the best features. Time/day voice stamp tells you when each incoming message was received. Call monitor lets you hear who is calling so you can decide whether to answer or not. Voice-activated—records only when the caller is speaking so there are no long silences. With a Touch-Tone phone, you can turn the answerer on or off, retrieve messages, change your outgoing message, delete messages, monitor the room where the answerer is located, and more. Toll-saver feature saves you money when calling long-distance to check your messages. 14 minutes recording time. (TSP) **43-743** ..... **69.99**

All Radio Shack answerers are certified to UL standards for AC operation.

World Radio History

# Hold the phone—we've got more answerers.



### Dual-microcassette with received-messages display

**TAD-276.** Remote operation from a Touch-Tone phone when away from home or the office. Remote answer-on takes calls from another phone. Voice-stamp announces time and date messages were received. Dual outgoing announcements—plays when incoming tape is full or lets you give information without recording incoming messages. With call screening, toll-saver, room monitor, memo and 2-way recording. (TSP)
**43-762** ..... **89.99**

## Here's The Answer

*Check your messages anytime. Our answerers feature remote operation from any Touch-Tone phone. Requires no separate remote.*

**Buzz WORDS**

*Remote Operation. Allows you to retrieve messages and access other functions of the answerer from a Touch-Tone phone.*

*Toll-Saver. Saves long-distance charges by answering after 2 rings if there are new messages and after 4 rings if none.*

*Call Screening/Monitor. Allows you to hear the person leaving a message so you can decide if you want to answer or not.*

*Auto-Reset. Automatically stops recording and resets if you pick up the phone.*

*Announce-Only Mode. Plays your outgoing message without recording an incoming message.*

*Room Monitor. Lets you call the answerer and listen in on the room where the answerer is located.*

*Multi-User Voice Mail. Allows callers to leave messages for specific people or departments. Security-code protected—only the mailbox user can get messages.*



### Digital outgoing message

**TAD-516.** Slim and stylish and packed with features. Your outgoing message is recorded on a digital chip. Digital memory lets you store your messages for future use. Voice time/day stamp. Memo and two-way recording. Call screening lets you hear who's calling before you answer. Room monitor, voice-activated recording. (TSP) **43-754**..... **79.99**



### Voice-activated micro answerer

**TAD-514.** This small answerer is big on popular features! Voice-activated recording stops taping after a few seconds of silence to conserve tape. Remote control lets you use it from any tone phone. Toll-saver helps you save on long-distance fees. Call monitor lets you hear who is calling before deciding to answer. Single-microcassette operation, LED message counter. (TSP) **43-752** ..... **49.99**



### New Dual microcassette answerer

**TAD-518.** Dual cassettes make it easy for you to quickly change outgoing messages and save incoming messages. Touch-Tone remote operation lets you retrieve messages, rewind and turn on the answerer or monitor the room the answerer is in by using any tone phone. Toll-saver saves on long-distance charges. Call monitor for screening calls before you answer. Announce-only mode. (TSP)
**43-715** ..... **79.99**



### Full remote operation

**TAD-275.** Features digital outgoing message to ensure a clear recording of the message you leave for callers. Remote operation lets you turn the machine on or off, retrieve, save or erase messages, or change your outgoing message from any Touch-Tone phone. Auto-reset stops recording and resets machine when you pick up the phone. Call screening, toll-saver. (TSP)
**43-761** ..... **59.99**



### New Single microcassette

**TAD-222.** Your outgoing message is recorded digitally, on an ultra-reliable chip. Handy remote operation lets you use most features from any Touch-Tone phone—turn answerer on/off, retrieve and erase messages and change outgoing message. Toll-saver helps save on long-distance charges. Voice-activated recording saves tape space. Call monitor lets you hear who is calling before deciding to answer. Memo recording. (TSP) **43-722** ..... **59.99**

All Radio Shack answerers are certified to UL standards for AC operation.

World Radio History

# Combination phone/answerers.





## New Digital answerer with time/day stamp and phone

**TAD-1004.** A great combo for a busy home or office! Fully digital—outgoing message and incoming messages are all digitally recorded so there are no tapes to break. Voice stamp tells you when each call was received. Remote operation allows you to turn the answerer on/off, retrieve messages, change your outgoing message and more from a Touch-Tone phone. Call monitor lets you hear who is calling before you answer. Voice-activated recording saves tape space. Toll-saver saves money when you call long-distance to check your messages. Built-in phone features 13-number memory. Flash button for use with special phone services like Call Waiting. Privacy and last-number redial buttons. (TSP) **43-744** ..... **129.99**



## Digital outgoing message

**TAD-253.** Outgoing message is digitally recorded on a computer chip. Touch-Tone operation so you can retrieve your messages from any tone phone. Has toll-saver, memo recording and voice-activated recording. Phone features last-number redial and flash. (TSP) **43-763** ..... **89.99**



## New Remote operation

**TAD-278.** Compact to save space on desk or bedside table. Remote operation lets you play and erase messages from any Touch-Tone phone. Single microcassette—outgoing message is digitally recorded on a computer chip. Call screening lets you hear who's calling. Phone has redial and flash button for use with special services. (TSP) **43-767** ..... **79.99**



## 10-number memory phone

**TAD-245.** Outgoing message is recorded on a digital chip. Remote operation allows you to retrieve messages from a Touch-Tone phone. Also features call monitor and toll saver. Telephone stores up to 10 numbers for speed dialing. One-touch redial of last number called. High/low/off ringer control. (TSP) **43-766** ..... **99.99**



## Single microcassette answerer

**TAD-539.** Attractive Euro-style system uses a single microcassette for outgoing and incomimg message recording. Remote message retrieval. Voice-activated recording saves tape space—stops recording when caller stops talking. Call screening. Phone features flash and redial buttons. (TSP) **43-765** ..... **69.99**

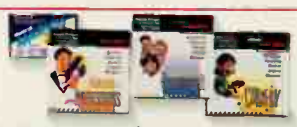
# Message tapes



**Blank incoming and outgoing message tapes**

| Size | Type | Recording Time | Cat. No. | Each |
|---|---|---|---|---|
| Cassette | Announcement, Endless Loop | 15 Seconds | 43-403 | 4.99 |
| Cassette | Announcement, Endless Loop | 20 Seconds | 43-401 | 4.99 |
| Cassette | Announcement, Endless Loop | 30 Seconds | 43-402 | 4.99 |
| Cassette | Announcement, Endless Loop | 60 Seconds | 43-406 | 4.99 |
| Cassette | Announcement, Endless Loop | 3 Minutes | 43-407 | 4.99 |
| Cassette* | Announcement, Endless Loop | 20 Seconds | 43-414 | 5.99 |
| Cassette | Announcement, Leaderless | 30 Sec./Side | 43-435 | 2.99 |
| Cassette | Announcement, Leaderless | 90 Sec./Side | 43-436 | 2.99 |
| Cassette | Announcement, Leaderless | 5 Min./Side | 43-439 | 2.99 |
| Message | Leaderless | 30 Min./Side | 43-410 | 2.39 |
| Message | Leaderless | 45 Min./Side | 43-411 | 2.49 |
| Micro | Announcement, Message | 15 Min./Side | 43-412 | 3.59 |
| Micro | Announcement | 7½ Min./Side | 43-409 | 3.49 |

*For use with PhoneMate only.



## Custom outgoing message tapes

**New Musical Madness.** Memorable musical greetings like 50s pop, rap rhyme, western song, holiday greetings, more. **43-427** ..... **5.99**

**Celebrity House Guest by Rich Little.** Impressionist does 10 celebrity voices, including Bart Simpson and Clint Eastwood. **43-424** ..... **5.99**

**Professional Receptionist.** Delivers 10 professional messages for business and offices. Includes voice mail, more. **43-425** ..... **5.99**

**Radio Shack Phonies:** Comedy II Edition. Here's a great series of 10 "gag answers", including a Senate Hearing, car mechanic, the "house computer", and others. **43-426**..... **5.99**



**Demagnetizer/cleaner.** Keeps messages crisp and clear. With demagnetizer cassette, probe, mirror, solution. **44-1167**, **5.99**



**Microcassette cleaner.** Includes cleaner, probe, mirror and solution. **44-1168**.... **5.99**

All Radio Shack phones are FCC registered. Tandy Service Plan available. Warranty details in store.

World Radio History

# Caller ID—You'll always know who's calling.

## Stop Answering Annoying Calls

*. . . with a Caller ID system from Radio Shack, you won't have to! And, we have a wide selection of Caller ID systems at great prices, not just one model.*

***NOTE: Caller ID products require Calling Number Delivery service from your phone company. Service and products may not be available in all stores.***



### Caller ID System 250

Large 3-line display shows call information in Spanish or English. Flashing light alert for "new call," "voice mail" and "anonymous call." Built-in error checking for accurate information. Stores up to 85 number or name and number call IDs. Requires 9V battery or AC adapter #273-1670. (TSP) **43-956** . . . . **69.99**



### New Caller ID System 400

Displays caller name, number and time of call. Plays two different messages for blocked and annoying calls. Stores 99 number or 51 name and number call IDs. With "message waiting," "new call" and "out of area" indicators. Requires 4 "AAA" batteries or AC adapter #273-1455. (TSP) **43-958** . . . . . **99.99**



*Available Nov. 15, 1995*

### New Caller ID System 350

Displays caller information in either English, Spanish or French. Priority call feature with tone alert lets you program up to 20 priority call IDs. Last-number call-back dialing and 99 number or 51 name and number memory. Requires 4 "AAA" batteries or AC adapter #273-1455. (TSP) **43-959** . . . . . **79.99**

### New Caller ID System 360

Complete, easy-to-read display shows caller's number, the time, date and sequence of calls, caller's name, no call and block call. You can select English, French or Spanish language display. When using the AC adapter, the screen is illuminated after the first ring for easy night viewing. Stores up to 99 name and number or number-only IDs. "Out of area" and "private call" indicators. Alert lights for "new call," "blocked call" and "message waiting." Built-in clock auto-adjusts with each call. Screen contrast control, low-battery LED. Includes wall-mount bracket and AC adapter. Requires 9V battery for backup. (TSP) **43-963** . . . . . **89.99**

| Cat. No | Display Lines | Memory | | New Call | Annoying Call ID | Call Blocking | Total Call Count | Special Features | Price |
|---|---|---|---|---|---|---|---|---|---|
| | | Number | Name/Number | | | | | | |
| 43-961 | 1 | 1 | 1 | | | | | 11-digit display | 39.99 |
| 43-960 | 1 | 1 | 1 | | | | | Clock | 39.99 |
| 43-962 | 3 | 64 | 25 | 4 | | | 4 | Twin lights for new & blocked calls | 49.99 |
| 43-957 | 3 | 99 | 75 | 4 | | | 4 | Repeat call icon | 59.99 |
| 43-956 | 3 | 85 | 85 | 4 | | | | 2-language display | 69.99 |
| 43-965 | 1 | 1 | 1 | | | | | Built-in phone | 69.99 |
| 43-959 | 3 | 99 | 51 | 4 | | | 4 | 20 priority numbers with tone alert | 79.99 |
| 43-963 | 3 | 99 | 99 | 4 | | | 4 | Night-light | 89.99 |
| 43-967 | 2 | 99 | 45 | 4 | | | 4 | Speakerphone | 99.99 |
| 43-958 | 3 | 99 | 51 | 4 | 4 | 4 | | Blocked & annoying call voice messages | 99.99 |
| 43-966 | 3 | 99 | 45 | 4 | 4 | 4 | 4 | Phone, messages for blocked/annoying calls | 119.99 |

## Add Caller IDs to all your phones



### Caller ID System 240

Gives the caller's name, number, and the time and date the call is received. Twin light alerts for "new call" and "blocked call." Stores up to 64 number-only and 25 name and number call IDs. With "out of area" and "private call" indicators. Includes wall-mount bracket. Requires 4 "AAA" batteries. (TSP) **43-962** . . . . . **49.99**



### Caller ID System 320

When you receive a call, the LCD display tells you the caller's number, or in some areas the caller's name and number. Also displays total number of calls. "Out of area" and "private call" indicators. 99-number or 75 name and number memory. Requires 4 "AAA" batteries. (TSP) **43-957** . . . . . **59.99**



### Caller ID System 50 with clock

Low-cost solution to annoying calls. After the first ring, the 10-character display shows the number or name and number of the person calling. You can see who called you last and what time they called. Great for extension phones. Requires 4 "AAA" batteries. (TSP) **43-960** . . . . . **39.99**



### System 40 with 11-digit display

This quick and easy system installs in seconds. Just plug it into your phone and the wall jack and it's ready to go. 11-digit display. Press the scroll button to see more information. Stores ID information from the last call to your line. Put one on every phone in the house! Requires 4 "AAA" batteries. (TSP) **43-961, 39.99**

In order to use Caller ID devices you must subscribe to Calling Number Delivery service, available in most areas through your local phone company. Not available in all areas, check with your phone company or your local Radio Shack. Prices apply at participating Radio Shack stores and dealers. Not all items in all stores — ask about our ordering service (items subject to availability).

World Radio History

# Phones for Your Home or Business

*We've got phones with the features you need in today's home or business. Our selection includes phones with Caller ID, speakerphones, programmable speed-dialing memories, directories and more!*



**New Caller ID System 1100 speakerphone with two voice messages**

When an incoming call is identified as either a blocked or annoying call, one of two pre-recorded messages is played before line is dropped. Caller ID memory stores up to 99 incoming numbers or 45 incoming names and numbers. Auto-dials the last local incoming number. Phone features an LCD display, hands-free speakerphone, 20-number direct dialing memory and last-number redial. Separate, distinctive ring for VIP calls. Clock, mute and flash buttons. Requires 4 "AA" batteries or AC adapter #273-1455. (TSP)
**43-966**.....**119.99**



**New Caller ID System 1200 speakerphone**

Display shows time, date and number of calls, "new" and "private" calls and caller number or name and number. 99-number or 45 name and number memory. Dial function dials the number of the last call received. Telephone features a 22-number direct-dialing memory, an LCD display of outgoing number and a speakerphone with volume control to adjust for comfortable conversation levels. Also with one-touch redial, clock, privacy and flash buttons. Desk or wall mount. Requires 4 "AA" batteries or AC adapter #273-1455c. (TSP) **43-967**.....**99.99**

## Buzz WORDS

***ANNOYING CALL.*** *Lets you program your Caller ID system to reject calls made from a programmed number.*

***CALL BLOCKING.*** *Allows persons with certain Caller ID systems to identify blocked calls and reject them.*

***PRIVATE CALL.*** *Indicates that the person calling has blocked their name and number information so it is not available to your Caller ID system.*

***AUTO-REDIAL.*** *Redials an unanswered or busy number 10 times or until answered.*



**Caller ID System 1000 with Local Call Back**

Multifunction display shows either caller's name or phone number, or the reason for the absence of one of these messages, such as "out of area". Local Call Back automatically dials the last seven digits of a local number. The long-distance Caller ID redial function stores up to 32 digits. With three memory buttons for frequently called numbers. Requires 4 "AA" batteries. Was 79.99 in 1995 catalog. (TSP)
**43-965**.....New low price **69.99**



**Speakerphone with 200 memories and directory**

**ET-210.** More than just a phone, it's a personal assistant! A 7-digit screen shows the name and number you're calling. It's also a handy desk clock with a digital readout. With three instant-dial priority numbers plus memory for 197 additional numbers. Full alphabet keypad for easy programming. Plus a speakerphone, privacy and flash buttons and auto redial. Requires 2 "AA" batteries. (TSP) **43-623**.....**99.99**



**Speakerphone with call timer and 90 memories**

**ET-189.** 90-memory speakerphone with 10-digit LCD screen displays the number dialed, the time and call duration. Features 30-number instant-dial direct memory plus memory storage for up to 60 additional numbers. Handy name and number directory. Privacy and flash buttons. Auto-redial. Built-in battery test with low-battery LED indicator. Requires 2 "AA" batteries. (TSP)
**43-619**.....**79.99**



**Speakerphone with directory, 20 memories**

**Radio Shack 148.** 20-memory speed-dialing speakerphone with name and number directory. The perfect addition for busy homes. "Privacy" button lets you make discreet "aside" comments during calls. One-touch last-number redial. With pause and flash buttons and off/lo/hi ringer. Hearing-aid compatible. Mounts on wall. Requires 2 "AAA" batteries or AC adapter #273-1454. (TSP)
**43-612**.....**69.99**

All phones on this page feature Touch-Tone/pulse dialing. In order to use Caller ID devices you must subscribe to Calling Number Delivery Service, available in most areas through your local phone company. Prices apply at participating Radio Shack stores and dealers. Not all items in all stores — ask about our ordering service (items subject to availability)

World Radio History

# Call on us for your telephone needs.



## Our best 4-line phone

**System 412.** Handles four incoming lines and expands to ten stations. Line-usage LEDs tell you which lines are free, in-use, ringing or on hold. Two-way intercom lets you call or page a station. Do Not Disturb button. Line-lock button for privacy. Individual line-ringer controls at each station. Features 20-number redial with handy slide-out reference tray. Automatic redial. Requires 9V battery. (TSP)
**43-460** ..... **Per Phone 179.99**



## 4-line business phone

**System 411.** Economy-minded 4-line business phone expands to twelve stations and has full Centrex/PABX compatibility. Line-usage LEDs show status of each line. Built-in two-way intercom with paging speaker. Do Not Disturb button for privacy. Individual line-ringer controls for each station. Flash button. With hold and last-number redial. Desk or wall mount. Requires 9V battery. (TSP)
**43-456**..... **Per Phone 129.99**



*Available Nov. 30, 1995*

## New 2 lines, intercom

**System 508.** Two-line phone is expandable to 12 stations. Each line has individual ring tones. Two-way intercom lets you page all stations at once and allows private conversation between stations. Indicator lights show status of each line. With Last-number redial and 20-number memory storage with base-top reference list. Tone pulse dialing switch, flash and hold. Requires 4 "AA" batteries. (TSP)
**43-628** ..... **Per Phone 99.99**



## New 2-line speed-dialer

**ET-146.** Two incoming lines and speed-dialing convenience for 20 numbers, including four one-touch priority numbers. With one-touch last-number redial, hold and flash for use with Call Waiting and other phone services. Ring and hold indicator lights. Hi/lo/off ringer control for each line. Handy speed-dial reference list on top of base. Hearing-aid compatible. Desk or wall. Requires 2 "AA" batteries. (TSP) **43-642** ..... **69.99**

## Buzz WORDS

*MULTIPHONE SYSTEM. A system of several phones with compatible features for line indicator status and intercom. Our affordable "system" phones are perfect for growing businesses.*

*CONFERENCE CALLING. Allows you to call two different numbers for a 3-way conversation.*

*INTERCOM. Lets you talk with someone at an extension phone.*

*SPEAKERPHONE. Built-in speaker for hands-free 2-way conversations and "whole family" calls.*

**Phone system compatibility chart**

| Model | System 508 | System 411 | System 412 |
|---|---|---|---|
| System 508 | ✓ | ✓ | NC |
| System 411 | ✓ | ✓ | NC |
| System 412 | NC | NC | ✓ |

✓ = Line Status indicators and Intercom features are compatible. NC = Not Compatible

## Lighted keypad 2-line

**ET-293 Trim-Fone®.** This compact two-line phone has large lighted buttons for easy dialing in low-light or no-light surroundings. The handset has built-in amplifier with rotary volume control right where you need it. Plus conference call feature, hold button, separate hold and ring indicator lights, and separate hi/lo/off ringer controls for each incoming line. Last-number redial. Desk or wall. (TSP)
**43-622** ..... **59.99**



## Traditional 2-line

**ET-181.** This standard black desk phone has two-line capability. Features status indicator lights to tell you which line is free, in-use, ringing or on hold. Each line has a specific ring tone. Hi/lo/off ringer control for each line. Last-number redial. Hearing aid compatible. (TSP)
**43-470** ..... **49.99**



Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability)

World Radio History

(1)



### Fax/phone combination

(1) **TFX-1030.** Fax with built-in phone that includes 10-number memory, last-number redial, tone/pulse switch, on-hook dial and more. Fax adjusts for fine and standard resolution. The terminal ID number and the time and date are automatically stamped on each transmission. (TSP) **43-1202** ..... **299.99**

(2)



### New Phone/fax with auto cutter

(2) **TFX-1032.** The fax machine features a 5-page automatic document feeder, automatic cutter and anti-curl reception for recording paper. The phone has 8 one-touch priority numbers plus 20 indirect memory numbers. With on-hook dialing, auto-redial and hold. (TSP) **43-1204** ..... **379.99**

(3)



*Available Oct. 30, 1995*

### New Automatic fax switch

(3) **AFX-250.** Eliminates the need for an extra phone line. Automatically switches incoming faxes to your fax machine. Can be used with fax machines, phones, answering machines. Easy installation—simply plug it into standard phone jack. Two ports. (TSP) **43-1244** .. **59.99**

(4)



*Available Oct. 30, 1995*

### New Automatic fax/data switch

(4) **AFX-300.** All the features of above, and more: Has three ports so you can add a modem, password protection for incoming faxes, and is compatible with the phone company's "distinctive ringing" services. Battery backup system. (TSP) **43-1245** ..... **79.99**

(5)



### Telephone cassette recorder

(5) **TCR-100.** Tape phone conversations easily or use it as a regular tape recorder. Connect to the handset to record directly from phone or use the built-in microphone for normal recording. Voice activation, tape counter and auto-stop. Requires 4 "AA" batteries or AC adapter #273-1650. (TSP) **43-273** ..... **99.99**

(6)



### Full-duplex speakerphone

(6) Full-duplex operation lets both parties speak freely without cutting each other off. Two digital signal processors minimize echo and feedback. Privacy button lets you talk to people at your location without those on the line hearing. (TSP) **43-243** ..... **149.99**

(7)



### 33-memory pocket tone dialer

(7) Use computer-based services from any phone. This dialer features three one-touch priority memories and 30 standard speed-dialing memories. Requires 3 "AAA" batteries. (TSP) **43-146** ..... **24.99**

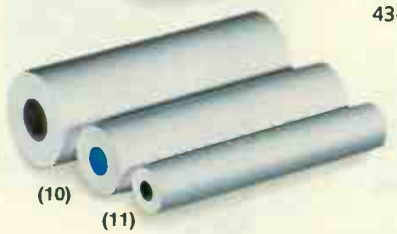
(8)



### Pocket tone dialer

(8) Use computer-based phone services that require tone signals from any phone. You can use it to control answering machines requiring Dual-Tone Multi-Frequency signaling. (TSP) **43-145** ..... **16.99**

(9)



(10)

(11)

(12)



### Thermal fax paper

(9) White. Big 8½" × 164-ft. roll. **43-1265** ..... **9.99**

(10) White. 8½" × 98-ft. roll. **43-1260** ..... **6.99**

(11) White. 8½" × 49-ft. roll. Package of two. **43-1264** ..... **8.99**

(12) **Fax Clean Sheet.** Removes dust and oily film from internal components. **43-1251** ..... **2.19**

There are 6,600 Radio Shack stores and dealers to serve you.

World Radio History

# Over 100 Radio Shack phones to choose from.



(1)

## Customize the sound to your listening preference or special hearing needs

**(1) ET-145.** A 4-band equalizer and Digital Signal Processor make this special phone adaptable to a wide range of individual hearing needs! Four equalizer controls let you adjust from high to low tones to suit your hearing. When others use the phone, an on/off button makes it easy to cancel the equalizer mode. Booster cleanly amplifies handset volume by up to 20 dB. Low-tone ringer is easy for people with high-frequency hearing loss to hear. Visual ringer indicator lights up when phone rings. 3-number speed-dial memory, last-number redial and low battery indicator for booster backup. Also has ringer volume hi/lo/off switch. (TSP)
**43-598** ..... **99.99**



(2)

## Desktop in almond or beige

**(2) ET-182.** This sturdy desktop telephone comes with last-number redial, hold button and ringer hi/lo/off switch. Tone or pulse dialing selector. (TSP) **Beige, 43-471.**
**Almond, 43-472** ..... **39.99**



(3)

## New 20-memory desk phone

**(3) ET-166.** A smart choice for busy homes or offices. 20-number speed-dialing memory, including four priority-number buttons. 16-number personal directory. Hold and flash buttons, last-number redial and pulse/tone switch. Ringer hi/lo/off. Desk or wall. (TSP)
**43-852** ..... **49.99**



(4)

## Attractive, popular slim-phone

**(4) ET-177.** This slim-style telephone saves space on a desk or can be wall-mounted. Flash button for use with phone company services like Call-Waiting and 3-Way Calling. Last-number redial, mute button for privacy. Hi/lo/off ringer. (TSP)
**43-583** ..... **29.99**



(5)

## Classic-look desk phone

**(5) ET-165.** This rugged, dependable model comes with last-number redial, top-mounted pulse/tone dialing selector and adjustable volume control for its distinctive double-gong bell. (TSP) **White, 43-843.**
**Black, 43-846** ..... **49.99**



(6)

## 20-number memory compact

**(6) ET-144.** We've packed a lot into this one! 20-number memory including three one-touch priority numbers, one-touch redial for recalling busy numbers and hold and flash buttons. Ringer hi/lo/off switch. Desk or wall. (TSP) **43-597** ..... **39.99**



(7)

## Tough, standard wall-mount

**(7) ET-195.** Designed for the wall—this phone's cradle holds handset securely so it's easy to hang up. Features last-number redial, tone/pulse switch and volume control for its single-gong bell. (TSP) **White, 43-842.**
**Almond, 43-841** ..... **49.99**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability)

World Radio History

# Big buttons, trim phones, BIG features.


(1)

## Sleek big-button phone

(1) **ET-208.** Easy-to-dial big-button phone has a fun look with colorful accents. Includes a green hold button, a blue button for last-number redial and a red flash button for Call Waiting and 3-Way Calling Services. LED hold indicator, ringer on/off control. Desk or wall. (TSP) **43-807** ..... **34.99**


(2)

## Boldly-styled big-button phone

(2) **ET-205.** Choose black or white to complement your decor. Features flash button, one-touch last-number redial and hold button. LED hold indicator, ringer hi/lo control. Desk or wall. (TSP) **White, 43-802. Black, 43-812** ..... **39.99**


(3)

## Amplified handset & convenient 13-number speed-dial memory

(3) **ET-206.** We've combined the convenience of one-touch priority dialing of three numbers with 10-number memory and an amplified handset with adjustable volume. Last-number redial and hold with LED indicator. Desk or wall. (TSP) **43-804** ..... **49.99**


(4)

## Stylish amplified handset phone

(4) **ET-207.** Set the sound level to suit you—it's ideal for noisy places or people with hearing difficulty. Hold with LED indicator, last-number redial, ringer hi/lo/off. Desk or wall. (TSP) **43-806** ..... **44.99**


(5)

## Big-button slim phone

(5) **ET-303.** We put big buttons and popular features into this little phone. One-touch last-number redial, mute button for privacy, handset hang-up button. Ringer hi/lo/off. Desk or wall. (TSP) **White, 43-908. Almond, 43-909. Blue-gray, 43-910** .. **15.99**


(6)

## Oversized-button trim phone

(6) **ET-273.** Buttons are a bit bigger for easier dialing. Last-number redial, flash button, ringer on/off. Desk or wall. (TSP) **White, 43-591. Almond, 43-592. Black, 43-593. Blue-gray, 43-599** .... **19.99**

## 20-number speed dialing

(7) **ET-283.** Memory stores up to 20 numbers for time-saving speed-dialing. Features lighted keypad, last-number redial, flash button. (TSP) **White, 43-588. Almond, 43-589.** New **Hunter Green, 43-887** ..... **29.99**


(7)

## Basic trim phone in 3 colors

(8) **ET-290.** This popular model has lighted keypad, one-touch last-number redial, ringer on/off switch. Desk or wall. (TSP) **White, 43-585. Almond, 43-586. Gray, 43-587** ..... **24.99**


(8)

(9)

## Amplified handset trim phone

(9) **ET-501.** Handset amplifier has adjustable volume control. Features a lighted keypad and one-touch last-number redial. Desk or wall. (TSP) **43-805** ..... **39.99**

All Radio Shack phones are FCC registered. Tandy Service Plan available. Warranty details in store.
Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability)

World Radio History

# Phones that look as good as they perform.




## Monte Carlo phone

(1) Stylish round phone will look great on any desk. Black with contrasting burgundy handset and buttons. Features flash button for use with special phone services, mute and last-number redial. Ringer hi/lo/off control. (TSP)
**43-836** ..... **39.99**




## New Palette phone

(2) A unique and creative phone that will appeal to the artist in you. Features redial and privacy buttons. Flash button for use with special phone services like Call Waiting. Ringer hi/lo/off switch. Available in white or black. (TSP)
**White, 43-850. Black, 43-853** ..... **39.99**



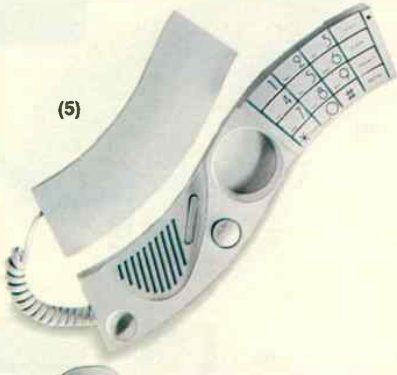

## New Fiesta Phone

(3) A fun design that's sure to make an impression. Packed with features—last number redial, flash button for use with special phone services, and hold. Set it on a desk or mount it on a wall. Ringer hi/lo/off switch.
**43-856** ..... **29.99**




## Seashell™ decorator phone

(4) A distinctive alternative to the "usual" phone. Compact fold-up design takes up less space on counter or desk than a paperback book. Kids especially love it. Has a mute button and one-touch redial of last number called. (TSP) **43-830** ..... **24.99**




## New Calypso phone

(5) This creatively styled phone really makes a bold statement. And our famous Radio Shack quality is built-in! Features last-number redial, privacy button and hold. Flash button for using special phone services. Ringer hi/lo/off switch. (TSP)
**43-855** ..... **39.99**




## Samantha phone

(6) Mounted on a wall or sitting on a desk, this is one attractive phone with plenty of features. Has last-number redial, flash button for use with special phone services, and mute. Also features a lighted keypad for easy dialing. Ringer hi/lo/off switch. (TSP)
**43-849** ..... **34.99**



## Contempra™ II

One-piece vertical design saves space on your desk or nightstand. Has one-touch last-number redial, flash button and mute button. Lighted keypad is easy to dial in the dark. Ringer on/off. (TSP)
**43-827** ..... **29.99**



## Fairmont™ phone

This phone adds a touch of class to your desk. Has a flash button for use with Call Waiting, 3-Way Calling or other special services. Also features last-number redial and flashing ring indicator. Ringer on/off. (TSP)
**Hunter green, 43-839. Ash, 43-840** .. **39.99**



## Neon Squiggle phone

Space-saving desktop phone with colorful neon accent surrounding a built-in analog alarm clock. Features on-hook dialing, mute button, last-number redial and flash button for use with special phone services like Call Waiting. (TSP)
**43-834** ..... **59.99**

All Radio Shack telephones are FCC registered. Tandy Service Plans available.

World Radio History



(1)

**New Heritage Hill phone**

(1) Classic looks and the latest features: last-number redial button, privacy button and flash button for use with special services like Call Waiting. Ringer on/off. (TSP)
**43-848** ..... **49.99**



(3)

*Available Oct. 15, 1995*

**New Clear trim phone**

(2) See the quality. A compact phone with colorful components. It's a unique conversation piece. Features mute, last-number redial and flash button. For desk or wall. Ringer on/off. (TSP) **43-858** ..... **24.99**



(2)

*Available Oct. 30, 1995*

**New Dover phone**

(3) Great looks and great features. Three one-touch memories plus speed-dialing of 10 more numbers. Also features privacy, last-number redial and a flash button. (TSP)
**43-859** ..... **39.99**



(4)

**Signature™ phone**

(4) Elegant phone is sleek and only 7/8" thin. Flash button for use with special phone services, mute and last-number redial. For desk or wall. Ringer on/off. (TSP) **Black, 43-822. Eggshell, 43-823** ..... **39.99**



(5)

**Worthington phone**

(5) Black finish with bright green numbers under clear acrylic buttons. Features flash button for use with special services, mute, last-number redial, and hold button with LED indicator. Ringer hi/lo/off. (TSP) **43-844, 34.99**



(6)

**Midnight II™ phone**

(6) Dramatic black design. Three one-touch priority dialing memories plus speed-dialing of 10 additional numbers. Hold with LED, one-touch redial, flash and mute button. Ringer hi/lo/off. (TSP) **43-829** ..... **39.99**



(7)

**Dial-Talk™ talking phone**

(7) Says the numbers out loud as you dial. Ideal aid for people who are vision impaired. Helps small children dial in an emergency. Features a flash button and last-number redial. Talking on/off and ringer on/off. (TSP)
**43-838** ..... **49.99**



(8)

**Utopia™ phone**

(8) This trim and bold phone features a cushioned-grip handset, flash button for use with Call Waiting and 3-Way Calling, mute and one-touch redial of last number called. Ringer on/off. (TSP) **43-833** ..... **29.99**



**New Country Living wall phone**

This beautiful antique-style wood wall phone will add a touch of charm to a kitchen or den. Features one-touch priority dialing of three numbers, plus 10-number memory. Also features flash button for use with special phone services, privacy and last-number redial. Hi/lo/off ringer control. (TSP)
**43-860** ..... **99.99**



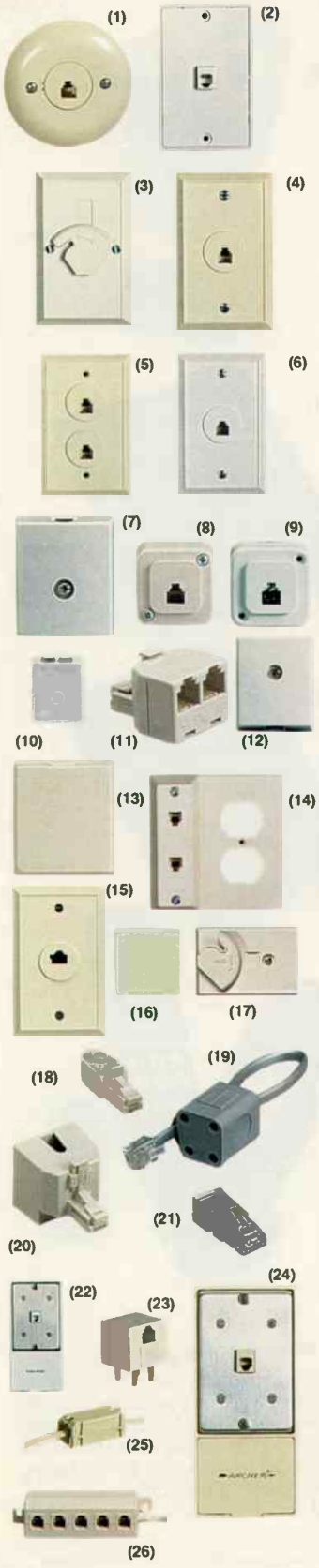
**New Apollo phone**

This compact, one-piece flip-phone really saves space on your desk or counter top. Features redial of last number called and flash button for use with special services like Call Waiting and 3-Way Calling. Ringer hi/lo/off control. (TSP)
**43-857** ..... **19.99**

SWITCHABLE and PROGRAMMABLE Touch-Tone/pulse phones work on both tone and pulse lines. Therefore, in areas having only pulse (rotary dial) lines, you can still use services requiring tones, such as alternative long-distance systems and computerized services. Not for coin or party lines. We service what we sell.

World Radio History

# It's easy to install your own phone and jacks.




## Wall plates

**(1) Round modular wall plate.** Attractive wall plate with a standard modular (RJ11/14) phone jack. **279-392** ..... **3.99**
**White round modular wall plate. 279-492** ..... **3.99**
**(2) Surface-mount wall phone plate.** For a modular wall phone. Mounts on wall, does not require electrical box.
**279-382** ..... **5.99**
**Surface-mount wall phone plate.** White. **279-482**..... **5.99**
Metal wall phone plate. Same function as Fig. 2, but requires empty electrical box. **279-387**..... **6.99**
**(3) Sealed modular wall plate.** Rotating cover. Moisture-inhibiting compound in contact area. **279-330**..... **9.99**
**(4) Rectangular modular wall plate.** Mounts in a standard empty electrical box. **279-352**..... **3.99**
**(5) Dual wall plate.** Can be used for up to four phone lines, for two phones with the same phone number, or as a hookup point for a phone and an accessory such as an answerer, fax, auto dialer or computer modem. **279-350**..... **5.99**
**White dual wall plate. 279-450** ..... **5.99**
**(6) White modular wall plate.** For one or two-line installations. Mounts in standard empty electrical box. **279-204**..... **3.99**

## Phone jacks

**(7) Modular quick-connect jack.** Converts standard screw terminal-type wiring block to accept a modular phone plug. Color-coded leads with spade terminals. **279-355**..... **2.29**
**White modular quick-connect jack. 279-455** ..... **2.29**
**Modular jack.** Like Fig. 7, but has snap-on clips in place of spade terminals. **279-386** ..... **2.99**
**(8) Ivory surface-mount modular jack.** Ideal for mounting on baseboard. **279-353** ..... **3.99**
**(9) White surface-mount modular jack.** Ideal for baseboard.
**279-202** ..... **3.99**
**(10) Surface-mount duplex jack.** Can be used for up to four phone lines, for two phones with the same number, or as a hookup point for a phone and accessory. **279-448** ..... **4.99**
**Ivory surface-mount duplex jack. 279-348** ..... **4.99**
**Modular triplex jack.** Same as fig. 10 but converts one modular jack to 3 jacks. **279-557** ..... **4.99**
**(11) Modular duplex jack.** Converts one modular jack to two jacks so you can connect two devices. **279-357** ..... **4.29**
**(12) White modular jack with wiring block.** With mounting screws.
**279-203** ..... **3.99**
**Modular jack with wiring block. 279-349** ..... **3.99**
**(13) Six-wire surface-mount modular jack.** 3-line jack (RJ25C)
**279-420** ..... **4.49**
**White six-wire surface-mount modular jack. 279-419** ..... **4.49**
**(14) Dual modular jack with AC wall plate.** Mounts by replacing wall plate on standard AC outlet. Can be used to provide two jacks for the same number or up to four separate phone lines.
**279-415** ..... **6.99**
**(15) 8-pin modular wall jack. 279-443** ..... **7.99**
**(16) 8-pin surface-mount jack. 279-442** ..... **4.99**
**(17) Sealed surface-mount jack.** Rotating cover. Moisture inhibitor in contact area. **279-331** ..... **9.99**

## Plugs

**(18) Quick-connect modular plug.** With insulation-piercing connectors. Fast hookup. **279-383**..... **3.99**
**(19) Plug adapter.** Simply plug in to convert older 4-prong plug to fit modular jack. **279-393** ..... **3.49**
**(20) Modular quick-plug.** Adapts a phone cord with spade plugs to a modular plug. **279-375**..... **2.99**
**Quick connect handset plug.** Fits smaller phone handset or handset outlet on phone. **279-298** ..... **4.99**
**(21) Quick-connect eight-pin plug.** For 8-wire phone cable. Easy to install. Position wire, close cover. **279-440**..... **6.39**

## Adapters

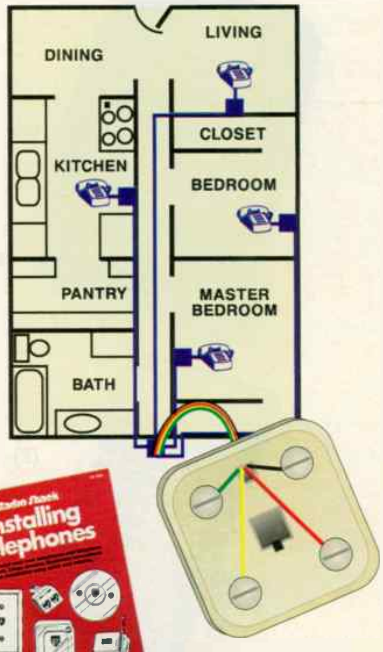
**(22) Modular triplex wall adapter.** Installs between wall phone and wall jack for adding two phone accessories.
**279-469** ..... **12.99**
**(23) Cord adapter.** Converts a modular plug to fit an older 4-prong phone jack. **279-351**..... **2.99**
**(24) Modular duplex wall phone adapter.** Installs between wall phone and existing modular jack. Adds an extra outlet for adding an answerer or other accessory. **279-359**..... **9.99**
**(25) Inline coupler.** Connects two 4-wire modular phone cords.
**279-358** ..... **2.79**
**6-wire inline coupler. 279-423**..... **3.29**
**(26) Five-outlet modular adapter.** Converts one standard modular jack to five modular jacks. **279-410** ..... **9.99**

# You Can *Do It All* With Radio Shack

*Radio Shack has everything you need to add extension phones, update older jacks and phones to modular, and add extra jacks for a modem, fax, answerer or a second phone line.*

*Our phone jacks and wall plates are color-coded to match wiring. You simply connect the four wires used in most homes to the proper terminals.*

*Get the book and/or video shown below, do the job yourself and save money.*







### Do it by OUR book and do it right

**Installing telephones.** Clear, concise illustrated instructions and trouble-shooting tips for quick, easy and reliable installation. Easy-to-follow diagrams. 80 pages.
**62-1060**..... **4.99**



### Installation instructional video

Install your own telephone. See the correct way to install jacks, cords, wiring, phones and accessories yourself. VHS.
**62-2430**..... **6.99**

Attention, installers! Quantity discounts are available at participating Radio Shack stores and dealers—see page 217.

World Radio History

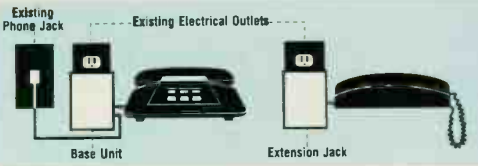


## Instantly add a phone jack with our wireless phone jack system

Just plug it into any electrical outlet—no drilling, wiring or tools needed. No expensive hook-up fees and no waiting for a phone installer to show up. Add a phone wherever you need it—moves easily from room to room. Has call hold, call transfer and built-in surge suppression.

**Complete wireless kit.** Base unit, extension jack and 6-ft. phone cord. (TSP) **43-160** ..... 99.99

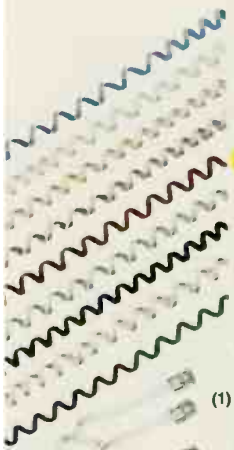
**Extension jack.** Add unlimited extensions. For use with 43-160. **43-161** ..... 49.99




## Your home is already wired

Plug the base unit into any AC outlet near an existing phone jack and connect phone jack to base unit. Then plug the extension jack into any other outlet to add another phone.

## Coiled handset cords for modular phones



**25-foot standard cords**

Blue-gray. 279-314 ..... 5.99
White. 279-301 ..... 5.99
Almond. 279-302 ..... 5.99
Beige. 279-303 ..... 5.99
Gray. 279-300 ..... 5.99
Black. 279-305 ..... 5.99
Ivory. 279-316 ..... 5.99
New Hunter green. 279-317 ..... 5.99

**12-foot standard cords**

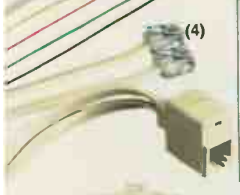
Blue-gray. 279-313 ..... 4.99
White. 279-306 ..... 4.99
Almond. 279-307 ..... 4.99
Beige. 279-308 ..... 4.99
Brown. 279-309 ..... 4.99
Gray. 279-311 ..... 4.99
Black. 279-312 ..... 4.99
Ivory. 279-315 ..... 4.99

**25-foot heavy-duty cords**

(1) White. 279-290 ..... 7.99
Almond. 279-291 ..... 7.99
Beige. 279-292 ..... 7.99
Brown. 279-293 ..... 7.99
(2) Gray. 279-294 ..... 7.99
Black. 279-295 ..... 7.99
Ivory. 279-289 ..... 7.99
Blue-gray. 279-296 ..... 7.99
(3) *Other colors available—see store for details*

**UL listed modular line cords**

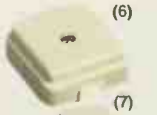
| Fig. | Length | Description | Cat. No. | Each |
|---|---|---|---|---|
| 1 | 18 Ft. | White, Coiled, Modular-to-Modular | 279-396 | 5.99 |
| 1 | 18 Ft. | Almond, Coiled, Modular-to-Mod. | 279-398 | 5.99 |
| 2 | 12 Ft. | Modular-to-Modular | 279-374 | 4.99 |
| 2 | 25 Ft. | Modular-to-Modular | 279-356 | 6.49 |
| 2 | 5¼" | Modular-to-Modular | 279-390 | .99 |
| 2 | 25 Ft. | 6-Conductor Modular-to-Modular | 279-422 | 7.99 |
| 2 | 25 Ft. | 6-Cond. Modular-to-Spade Lugs | 279-364 | 6.19 |
| 3 | 1 Ft. | Modular-to-Spade Lugs | 279-391 | 1.99 |
| 3 | 12 Ft. | Modular-to-Spade Lugs | 279-310 | 4.99 |



(4) **Two-line coupler.** Combines two single phone lines (from separate RJ11 jacks) into a 2-line (RJ14) jack. Ideal for use with 2-line phones. **279-401** ..... 6.99



(5) **Two-line, three-way jack.** Adds two single-line jacks to a 2-line jack. Allows you to connect an answerer or fax to either phone line. **279-402** ..... 6.99

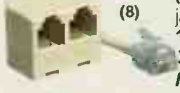


(6) **42A wiring block.** Industry-standard 4-terminal, wall-mounting wiring block accepts spade lugs and wires. **279-389** ..... 2.29



(7) **Entrance bridge.** Screw terminals provide a connecting point for the phone company wiring and your phone wiring. **279-394** ..... 5.99

**Extension cords**



(8) Modular plug at one end and two standard modular jacks (RJ11/14) at the other end.
12-foot. 279-373 ..... 5.49
25-foot. 279-363 ..... 6.49

**Modular plug**



(9) **4-wire modular plug kit.** Type RJ11/14.
279-384 ..... Pkg. of 10/2.99
6-wire modular phone plug. Type RJ11/14.
279-421 ..... Pkg. of 10/3.99




## Wiring tools and phone cable

| Fig. | Description | Cat. No. | Price |
|---|---|---|---|
| 10 | Crimping Tool | 279-388 | 9.99 |
| 11 | Phone Connector Crimping Tool | 64-410 | 7.99 |
| 12 | Insulation-Piercing Spade Lugs | 64-3070 | 24/1.49 |
| 13 | 50-Foot, 4-Wire Cable | 278-872 | 6.49 |
| .. | 100-Foot, 4-Wire Cable | 278-873 | 12.99 |
| .. | 4-Wire Bulk Cable | 278-1310 | .15/Ft. |
| .. | 100-Ft., 6-Wire Cable | 278-874 | 14.99 |
| 14 | 50-Ft., 4-Wire Modular Cable | 278-365 | 6.99 |
| .. | 100-Ft., 4-Wire Modular Cable | 278-366 | 13.99 |
| 15 | Weather-Sealed Splice Connectors | 64-3080 | 4/1.99 |
| 16 | Weather-Sealed Tap Connectors | 64-3081 | 4/1.99 |
| 17 | Insulated Butt Connectors | 64-3073 | 24/1.49 |
| 18 | 100-Ft. Outdoor 4-Wire Cable | 278-385 | 14.99 |
| .. | 250-Ft. Outdoor 4-Wire Cable | 278-386 | 34.99 |
| 19 | Telephone Wire Holders | 278-1667 | 9/1.49 |



## Outdoor phone wiring box

Put a phone outside. This sturdy molded enclosure features a hinged door with a weather-sealed lip. Four terminals. **279-343** ..... 6.99



## Line tester

Quick and easy problem solver! For single-line and 2-line jacks. Plug in and LEDs show you if the jack is wired correctly, wired in reverse or not operational. **43-104** ..... 5.99



## Voice/data guard

Stops answerers outgoing message if phone or extension is picked up. Prevents interruption of fax or modem transmission if extension is picked up. Just plug it in. **43-107** ..... 9.99



## Phone-line spike protector

Helps prevent damage to modems, phones, fax and answering machines due to voltage spikes on phone line. **43-102** ..... 14.99



## Handset cord untangler®

Ends tangled cords! Swivel connector prevents knotting of cord. Plugs into phone with detachable modular cord. **279-299** ..... 4.99

There are 6,600 Radio Shack stores and dealers to serve you.

World Radio History

# Phone headsets and phone accessories.



## Cordless headset phone

**ET-474.** Super convenient—clip the cordless phone to your belt and put on ultralight headset to make and take calls while you work! Advanced Super CCT circuitry gives you great sound quality. Earpiece can be worn on either ear. Flexible microphone. With volume control, one-touch redial, flash for Call Waiting, privacy button. Belt clip. (TSP) **43-569** ..... **139.99**



## New Headset telephone

Ideal for data-entry professionals, receptionists or anyone in need of hands-free phone conversations. Delivers the same great sound as a handset phone. Featherlight headset adjusts for hours of comfortable use. One-touch buttons for talk/hang-up, hold, flash and redial. Adjustable volume control. Plugs into modular phone jack. Detachable belt clip. (TSP) **43-890** ..... **69.99**



## On-the-ear headset

This handy device makes many phones more flexible—lets you keep working while you talk. Plugs into modular handset cord to replace your phone handset. Maintains the same clarity and sound quality as your regular phone handset, and even includes a feature that helps to reduce background noise. Volume and mute button. Does not disable the handset. NOTE: not designed for use with phones that have keypad in handset. (TSP) **43-182** .. **79.99**



## Hands-free headset

Plugs into modular handset cord to replace your phone handset for easy hands-free operation. Designed for maximum comfort! Adjustable headband, flexible boom mic and lapel clip. Has volume control and mute button. NOTE: not for phones with keypad in handset. Requires 4 "AA" batteries. (TSP) **43-192** ..... **59.99**



## Two-way switch

Connect two devices to the same phone line. Switch between fax/modem, answering machine or separate fax. **43-432**..... **14.99**



## Handset amplifier

Fits all phones with modular handset cords. Boosts incoming sound. Built-in volume control. Requires 9V battery. **43-237**..... **19.99**



## New Foreign line adapter for computer/phone

Use to connect your PC or phone to foreign phone lines in France, England and Germany. **279-412**..... **14.99**



## Snap-on amplifier

Snap onto phone handset to boost incoming sound. Compact to carry with you everywhere. Requires "N" battery. **43-229**..... **10.99**



## Fone Flasher 2

Bright strobe light flashes and built-in ringer sounds when your phone rings. Plugs into modular phone jack. UL listed AC. **43-178**..... **29.99**



## Mini Fone Flasher

Ideal for offices with many phones. Ends confusion—a light flashes to show which phone is ringing. Phone-line powered. **43-179**..... **8.99**



## Multi-phone tape control

Activates your recorder automatically when any phone receiver on the line is picked up. **43-236** ..... **24.99**



## Extra-loud bell

Plugs easily into a modular phone jack. Built-in volume control lets you adjust the bell's loudness. **43-173**..... **21.99**



## New Caller ID blocker

Preserves your privacy! Prevents your name and number from being revealed on Caller ID. Plugs into phone line. **43-925**..... **29.99**



## Portable listener

Amplifier boosts incoming voice so others can hear the conversation. Requires 9V battery or AC adapter. **43-231**..... **9.99**



## Two-way phone amp

Turns any regular phone into a hands-free speakerphone for family and conference calls. Phone-line powered. **43-200**..... **29.99**



## In-use indicator

Instantly lets you know when a phone line is in use. Helps eliminate needless conversation interruptions. Requires 9V battery. **43-108** ... **12.99**




## Fone Flasher

Plugs in to flash a lamp on and off when the phone rings. For incandescent lamps up to 300W. Easy hook-up. UL listed AC. **43-177, 14.99**



## Single-phone tape recorder control

Starts a recorder when receiver is lifted to tape conversations. Plug into modular jack/tape. **43-228** ... **19.99**



## Remote bell

Replaces a phone's built-in electronic ringer. Also can serve as remote bell, letting you know when the phone is ringing. **43-175**..... **14.99**



## Outdoor bell

Put this weather-resistant bell on the porch, patio or garage so you can still catch calls while working or relaxing outside. **43-174** ... **29.99**

All Radio Shack telephones are FCC registered. Prices apply at participating Radio Shack stores and dealers.
Not all items in all stores—ask about our ordering service (items subject to availability).

World Radio History

# Local and nationwide pagers.

Available Oct. 15, 1995




## New Ultra Express™ local pager

**PGL-301.** Unique styling, great features! Memory stores 16 messages. Easy-to-read backlit display shows number with time and day of call. Programmable on/off, built-in alarm clock, five selectable music alerts or silent vibration. Low-battery alert, message lock, pager password, out-of-range indicator, programmable 512, 1200 or 2400 baud rate. Requires "AAA" battery. **Black, 17-8002. Cranberry, 17-8003 ..... Each 119.99***

## New Advisor PRO™ nationwide

**PGN-401.** Large 20-message memory and an alphanumeric display allow callers to leave you detailed messages. Each message is stamped with the time and day it was received, no more guessing. Display shows time/date and has built-in alarm to help keep you on time. Message lock, individual message delete, auto-on and switchable backlight to see your message in any light. Select tone, vibration or visual alert. **17-9002 .... 199.99***



## Local pager with time stamp and display in choice of colors

**PGL-200.** A dependable, compact pager featuring selectable tone or silent vibrating alert, 12-digit numeric display with switchable backlight and a 16-message memory. Time-stamps messages when they come in. Message lock. Retains numbers while pager is off. **Black, 17-7001. Smoke, 17-7006. Teal, 17-7004. Grape, 17-7007 ..... Each 99.99***

These additional colors also available fast from Radio Shack Unlimited. See page 4 for more details. **White, 17-7005. Clear, 17-7003. Berni-Blue, 17-7002 ..... Each 99.99***



## Safety chains

In fashionable styles, available fast from Radio Shack Unlimited.



## Nationwide, time stamp, silent alert

**PGN-201.** Now you can be reached wherever you go—across town or across the country—by dialing a toll-free 800 number. Has 16-number memory with time stamp, selectable tone/silent vibrating alert, message lock to save important phone numbers. **17-7011 ... 99.99***



## New Renegade™ local pager

**PGL-102.** Budget-priced pager features easy-to-use single-button operation and top-mounted backlit display. Has 10-number memory, reminder alert, low-battery alert and ten 20-character numeric-message slots. Duplicate message detection. Silent vibration/pleasant musical alert. **17-6002 ..... 79.99***

# On the Move? Keep in Touch Wherever You Go

*Whether it's family or business, you need to stay in touch. But you can't always stay by the phone. An affordable Radio Shack pager is the answer.*

*A pager helps you save time and avoid frustrating communication problems and needless worry. Be available for anyone who needs to get in touch with you—customers, clients, family members, friends, or the babysitter!*

*Radio Shack offers local, regional and nationwide paging service. Message saver, voice mail, personalized name and greeting are just a few of the services you can choose depending on individual pager restrictions.*



## No service fees to pay! Paging system with up to 2-mile range!

Ideal for warehouses, construction sites and small businesses, and affordable even for family use—push a button to call the kids home from play. So simple to operate that even a child can send a message in an emergency. Powerful 7-watt transmitter provides up to 2-mile range with the included antenna. (Add an outdoor CB antenna for even wider coverage.) Expandable to 100 separate receivers and provides 10 message codes. Receiver has LED display, message code memory and low-battery indicator. One pocket-size receiver included. **(TSP) 17-6020 ..... 99.99**

**Extra Receiver.** Tone alert. **17-6021 .... 29.99**

**Extra Receiver.** Tone and vibration alerts. **17-6022 ..... 49.99**

## Check the handy features of Radio Shack local and nationwide pagers

| Model No. | Cat. No | Local Paging | Nationwide Paging | Message Memory | Message Alert | Time Stamp | Colors | Message Format | Lighted Display | Batteries Required | Price* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PGL-102 | 17-6002 | ✔ | | 10 | Music/Silent | | | Numeric | ✔ | 2 "AAA" | 79.99 |
| Wireless paging system | 17-6020 | ✔ | | 10 | Tone/Silent | | | Numeric | ✔ | 2 "AAA" | 99.99 |
| PGN-201 | 17-7011 | | ✔ | 16 | Tone/Silent | ✔ | | Numeric | ✔ | 1 "AA" | 99.99 |
| PGL-200 | 17-7001 2/3/4/5/6/7 | ✔ | | 16 | Tone/Silent | ✔ | ✔ | Numeric | ✔ | 1 "AA" | 99.99 |
| PGL-301 | 17-8002/3 | ✔ | | 16 | Music/Silent | ✔ | ✔ | Numeric | ✔ | 1 "AAA" | 119.99 |
| PGN-401 | 17-9002 | | ✔ | 20 | Tone/Silent/ Vibration | ✔ | ✔ | Text/Numeric | ✔ | 1"AAA" | 199.99 |

*Processing and paging service fees required. Local pagers are not available in all areas. See store for details. Service provided by MobileComm® or one of its associated carriers. Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery or may require special handling. Please contact store or call 1-800-THE SHACK for details.

Advisor PRO, Renegade and Ultra Express are trademarks of Motorola Corporation.

World Radio History

# Keep in touch—wherever you go.




## Our best! Mini handheld cellular with 98-number memory

CT-352. Four programmable keys give you one-touch access to emergency or other important numbers. You also get simplified memory dialing for up to 98 phone numbers of up to 30 digits each. Dial using the stored name tag or a two-digit code. You can automatically redial any of the last five numbers called. An alpha-numeric "scratchpad" lets you "write" a memo on the display or enter a name and/or number during a call, then enter them into memory for later use. Any-key answer. Backlit controls for easy operation at night. Compatible with Touch-Tone phone services. Includes AC charger. Was $249.99 in 1995 Catalog. (TSP) **17-1062** ..... New Low Price! **99.99***



New

## Ericsson® fold-out cellular phone

AH-210. Less than 5 1/8" high and weighs only 8.9 ounces, yet has a high-capacity battery that gives you up to 19 hours standby time between charges. Features a sturdy steel frame, 50-number speed-dialing memory, and a separate 10-number private dialing memory. You also get scratchpad memory, lighted keys, and a lighted alphanumeric display with memory scrolling and 4-level battery meter. This quality Ericsson phone provides four easy-to-use call timers, adjustable ring volume and tone, handy silent call alert and call-in-absence indicator. Tone-dialing. Dual NAM. High-performance antenna. With AC charger. **17-1064**.... **79.99***




*Scratchpad memory to store notes or info.* *Memory scan lets you dial by name or code.*

All handheld cellular phones on this page feature alphanumeric displays.



New **Feature-packed mini handheld cellular**

CT-353. Small and super-easy to use thanks to a "supertwist" LCD display you can read from any angle. Stores 48 phone numbers of up to 32 digits each, and names of up to 16 characters. Call stored numbers by name or a two-digit code. One-touch last-number redial, call timer, full-time signal and battery-strength indicators, any-key answer. Dual-NAM lets you subscribe to two cellular services to save on roaming charges. "Scratchpad" memory for entering names and numbers during a call. Backlit controls. Tone capability lets you use automated services requiring tones. With AC charger. (TSP) **17-1063** ..... **49.99***



## Handheld cellular less than 1 1/2" thin

CT-350. Weighs only 11.1 oz.—with battery. Stores 48 numbers, up to 32 digits each, and names up to 16 characters. Call by name or a 2-digit code. Menu-type lighted display, redial, call-timer, signal and battery strength indicators, dual NAM. With AC charger and case. Was $99.99 in 1995 Catalog. (TSP) **17-1060**..... New Low Price! **19.99***



New **Deluxe cases**

Luxury you can see and feel combined with the utmost in durability. Made of the finest imported glove leather and featuring top-quality stitching.

For **CT-352. 17-411**..... **29.99**
For **CT-350 and CT-353. 17-410**..... **29.99**

**Handheld Cellular Comparison Chart**

| Model | Cat. No. | NAMs | Memories | Any Key Answer | Alpha/ Numeric | Data Capability | Handsfree Capability | Talk Time | Standby Time | Weight | Size | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CT-350 | 17-1060 | Dual | 48 | ✔ | ✔ | | | 35 min. | 8 hrs. | 11 oz. | 2 3/16 × 6 3/8 × 15/16" | 19.99* |
| CT-353 | 17-1063 | Dual | 48 | ✔ | ✔ | | | 45 min. | 11 hrs. | 9.7 oz. | 6 3/5 × 2 1/5 × 4/5" | 49.99* |
| AH-210 | 17-1064 | Dual | 50 | ✔ | ✔ | | ✔ | 90 min. | 19 hrs. | 8.9 oz. | 1 7/16 × 5 1/8 × 1 15/16" | 79.99* |
| CT-352 | 17-1062 | Dual | 98 | ✔ | ✔ | ✔ | ✔ | 50 min. | 10 hrs. | 7 oz. | 5 3/4 × 2 1/8 × 7/8" | 99.99* |

*Requires new activation and minimum service commitment with Radio Shack authorized cellular carrier. Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery or may require special-handling. Please contact store or call 1-800-THE-SHACK for details. Items with an RSU number are available fast, delivered direct to your door from Radio Shack Unlimited℠.

World Radio History

# Auto cellular for safety, convenience.


(1)


(2)


(3)

## Transmobile/mobile/transportable cellulars

Choose the cellular that fits your needs—mobile, transmobile or transportable—all include the following features. Handsfree operation to let you make and take calls without lifting the handset. 50-number memory speed dial with alphanumeric memory scan. Memory name tag lets you enter a name to identify each phone number. Any-key answer function so you can answer incoming calls with the touch of ANY button. A programmable timer auto-redials busy or unanswered calls. Also with scratchpad memory, call timers, digital displays and backlit keypads.

**(1) CT-1050 transmobile.** No installation required! Just strap it in, plug into the cigarette lighter and you're ready to make calls. Easily moves from one vehicle to another. Multiple-telephone number operation lets you subscribe to up to four different phone services and have a local telephone number in each—saves on roaming charges. Comes with DC adapter, antenna and carrying case. Was $99.99 in 1995 Catalog. (TSP) **17-1021** . . . . . **New Low Price! Only 1¢***

**(2) CT-105 mobile.** Installs easily under the dash or seat. Includes handsfree microphone, power cable, mounting bracket and handset holder with mount. Was $49.99 in 1995 Catalog. (TSP) **17-1079** . . . . . **New Low Price! 9.99***

**(3) CT-1055 transportable.** Take it anywhere you go! Plug it in while in the car, or use battery power for use on the go. Features multiple-telephone number operation. Antenna, battery, vehicle battery adapter, AC charger and DC adapter all included. Everything fits conveniently in the included carrying bag. Was $149.99 in 1995 Catalog. (TSP) **17-1007** . . . . . **New Low Price! 29.99***

| Model | Cat. No. | With Activation | Without Activation | California With Activation | California Without Activation |
|---|---|---|---|---|---|
| CT-1050 | 17-1021 | .01 | 300.01 | 119.99 | 419.99 |
| CT-105 | 17-1079 | 9.99 | 309.99 | 114.99 | 414.99 |
| CT-350 | 17-1060 | 19.99 | 319.99 | 114.99 | 414.99 |
| CT-1055 | 17-1007 | 29.99 | 329.99 | 139.99 | 439.99 |
| CT-353 | 17-1063 | 49.99 | 349.99 | 134.99 | 434.99 |
| AH-210 | 17-1064 | 79.99 | 379.99 | 159.99 | 459.99 |
| CT-352 | 17-1062 | 99.99 | 399.99 | 159.99 | 459.99 |




# Go Cellular

*Radio Shack is your complete cellular dealer—we have the equipment, the accessories, and the people who'll help you select the best service plan for you.*

**QUESTION:**
*Activation, service commitments, airtime charges—cellular pricing is so confusing! How do I find the right plan for me?*

Q&A

**ANSWER:**
*Radio Shack and our cellular telephone carriers across the country work to keep cellular telephone prices as affordable as possible. In most cases, your new activation and minimum service commitment will result in substantial savings over the unactivated price. However, cellular carriers may require activation fees and service deposits that are beyond our control.*

*Prices are subject to change depending on carrier participation, market conditions, the service plan selected, and changes in federal, state or local laws as they affect the cellular telephone industry. Some carriers offer limited-usage plans that provide a lower monthly service charge, but with a higher airtime charge.*

*Discuss your cellular calling needs with one of our professionals to determine the best service plan for you.*

## Auto cellular accessories



### Wiring harness
Lets you mount the cellular's transceiver in an out-of-the way location. For use with CT-105. (17-721 CMC)
**RSU 10436293 . . . . . 39.99**



### Transportable kit
Lets you upgrade your CT-1050 cellular to make it fully transportable. (17-724 CMC)
**RSU 10436327 . . . . . 89.99**



### Data transfer box
Use your cellular with a fax machine or portable PC that has a standard modem. For CT-105/1050/1055. (17-720 CMC) **RSU 10436285 . . . 59.99**



### Battery
Always keep an extra battery on hand—you never know when you'll need it. For CT-1055. (17-725 CMC)
**RSU 10436335 . . . . . 59.99**



### Horn alert kit
Lets you program your CT-105 cellular to sound the car's horn or flash the lights when phone rings. (17-723 CMC)
**RSU 10436319 . . . . . 39.99**



### 10-foot handset extension cable
Use when you mount the transceiver away from the handset. For CT-105/1050/1055. (17-722 CMC)
**RSU 10436301 . . . . . 24.99**



### 3-ft. cellular phone extension cable
A little extra reach. Fits all Radio Shack auto cellular phones. **278-976 . . . . . 4.99**



### TNC push-on adapter
Converts screw-on TNC male adapter to a push-on/pull-off TNC male. 50 ohms impedance. **278-133 . . . . . 3.99**



### Universal grip mount
Allows you to position your cellular in a convenient, easy-to-reach location.
**17-510 . . . . . 39.99**

*Requires new activation and minimum service commitment with Radio Shack authorized cellular carrier. Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery or may require special handling. Please contact store or call 1-800-THE-SHACK for details. Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.

World Radio History

# Cellular antennas and accessories to keep you talking.




## Check out our selection of cellular antennas—there's one for every need

### Popular glass-mount

(1) Mounts easily on external car window—no holes to drill. Includes in-car cable. 3 dB gain. **17-309** ..... **29.99**

### Suction cup glass-mount

(2) Secure, temporary attachment to inside window glass. Use with your portable phone for better performance.
**17-314** ..... **24.99**

### Encapsulated glass-mount

(3) High gain with low noise. Encapsulated coil cuts annoying whistling effect caused by air movement. Improves performance in fringe areas. No holes to drill. 5 dB gain.
**17-320** ..... **39.99**

### Mini windshield-mount

(4) Low-profile design. Round mounting plates allow easy alignment of the inside and outside portions.
**17-325** ..... **24.99**

### Clip-on glass-mount

(5) Easy to install on vehicle's side window—no holes to drill. Ideal for rental cars. Great for fringe area service. 5 dB gain.
**17-315** ..... **39.99**

### Magnet-mount

(6) Slim styling. No drilling needed—attaches to metal roof or trunk. Easy to move from car to car. 3 dB gain. **17-318** ..... **24.99**

### Low-profile magnet-mount

(7) Small, yet powerful. Only 5" tall. No-hole installation—attaches securely to metal roof or trunk lid. 3 dB gain. 7-foot cable with TNC connector.
**17-322** ..... **26.99**

### Clip-on antenna adapter

(8) Clips to handheld phone's antenna. Allows hookup of external antenna (such as Fig. 5 or 6 above) for better reception. (17-326 CMC) **RSU 10451888** ..... **14.99**

### New Clip-on magnet-mount for handheld phones

(9) Provides better reception in congested areas. Clip adapter to handheld's antenna, place the magnet-mount outside antenna on car roof. 3½" high. 9-ft. cable. **17-329** .... **29.99**
**Motorola version of Fig. 9.** As above, fits Motorola brand cellular phones. **17-328** ... **29.99**

### No-hole trunk-mount

(10) Installs easily on trunk lid. Elevated feed design. 3 dB gain. 10-foot shielded cable with TNC connector. **17-311** ..... **39.99**

### Mirror-mount trucker antenna

(11) Bolts to mirror bracket or luggage rack. 3 dB gain. 10-foot shielded cable with TNC connector. **17-312** ..... **39.99**

### Adjustable-angle antenna for handhelds and transportables

(12) Pivots from 45° to 90° for best performance. 3 dB gain. **17-317** ..... **19.99**

## Radio Shack is your nearby source for cellular phone accessories



*Replacement batteries*



*Car power cords*

*AC chargers*



*Carrying cases*



| Manufacturer | Model | Slim Battery | Extended Battery | DC Car Cord | AC Charger | Battery Eliminator | Leather Case | DC Charging Cup |
|---|---|---|---|---|---|---|---|---|
| Radio Shack | CT-350/351 | 17-609 | 17-608 | 17-616 | 23-401 | — | 17-410 | — |
| Radio Shack | CT-352 | 17-738 | 17-739 | 17-616 | 23-401 | — | 17-401 | — |
| Radio Shack | CT-353 | 23-1011 400mA | 23-1012 1100mA | 17-616 | 23-401 | — | 17-410 | — |
| Motorola | Micro Tac | 23-1007 600mA | 23-1008 1200mA | 273-1211 | 23-401 | — | 17-401/2 | — |
| Motorola | Classic | 23-1009 1400mA | 23-1010 2600mA | 273-1212 | 23-401 | 273-1202 | 17-413 | 273-1214 |
| Ericsson/GE | AH 210 | — | RSU 11437423 1000mA | 273-1215 | RSU 11437480 | — | 17-414 | — |

Radio Shack offers hundreds of additional cellular accessories for Radio Shack, Motorola, Nokia, Panasonic, Uniden and other major cellular brands through Radio Shack Unlimited. See store for details. **Please note the following catalog corrections: 17-401 is 17-411, 17-401/2 is 17-412, 17-414 is RSU 11437464, 17-609 is RSU 10009967. Prices for the above cellular accessories are as follows: $24.99—273-1212; $29.99—17-410, 17-411, 17-412, 17-413, 273-1202, 273-1211, 273-1214, RSU 11437464; $39.99—17-616, 23-1008, 23-1012; $49.99—17-608, 17-738, 23-1009, 23-1011, RSU 11437423, RSU 11437480; $59.99—273-1215; $69.99—17-739, 23-401, 23-1007, 23-1010, RSU 10009967.**

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.

World Radio History

# Tune in All the Exciting Action

*A Radio Shack scanner radio brings you the most exciting listening of all—and you don't have to be an expert to enjoy one. After initial programming, you simply turn on a scanner to listen in on local police and firefighters as they serve your community, plus ambulances, trains, taxis, VHF marine, Amateur Radio, military, government and business services. You can listen at home or take along a handheld scanner to monitor exciting communications at car races, air shows, althletic events and concerts. With 18 value-packed models to choose from, there's a Radio Shack scanner radio just right for any area, listening interest and budget.*




## New 200 channels, triple conversion, wide coverage, military aircraft band

**PRO-60.** Triple-conversion design virtually eliminates image interference caused by nearby paging services and other nearby transmitters. Wide frequency coverage gives you access to bands not found on most scanners—military aircraft, 220 and 900 MHz Ham radio, VHF land mobile, FM broadcast and TV sound. You get HyperScan high-speed scanning and search, auto and manual AM/FM/FM-wide mode selection, battery-saver, individual channel lockouts, selectable 2-second scan delay. Priority mode catches all calls on your favorite channel. Key-lock prevents accidental entries as you move about. Display backlight, memory backup. (TSP)

**20-309** ..... **379.99**

New **Soft carry case.** (20-057 CMC) **RSU 11451630** ..... **19.99**

**Frequency Coverage:** 30-107.950, 108-224.995, 225-399.9875, 400-512, 760-824, 849-869, 894-999.9875 MHz. **Power:** Requires 6 "AA" alkaline or Ni-Cd batteries or AC or DC adapter (see p. 31). **Jacks:** Earphone, antenna (BNC), external power, charger. **Size:** $6^{5}/_{16} \times 2^{7}/_{16} \times 2^{1}/_{8}$".

## New Triple conversion, 25 MHz to 1.3 GHz, search-skip, data-skip

**PRO-26.** Our best! Tunes all of the common "action" frequencies plus bands not found on most scanners—UHF military aircraft, VHF land mobile, 220, 900 and 1296-MHz Ham, CB, FM broadcast, TV audio. Triple-conversion design and a switchable RF attenuator lock out image interference. Search-skip lets you select up to 50 frequences to avoid during searches. Data-skip prevents lockups on data signals and unmodulated carriers during a search. Auto-store puts active frequencies into specific memory banks while preventing duplications. Auto and manual AM/FM/FM-wide mode selection, HyperScan 50 channel-per-second scanning, up to 300-step-per-second search. One-touch NOAA weather. (TSP) **20-506** ..... **449.99**

New **Soft case.** (20-056 CMC) **RSU 11451622** .... **19.99**

**Frequency Coverage:** 25-28.9950, 29-53.9950, 59.750-71.75, 72-75.9950, 81.750-87.750, 88.1-107.9, 108-173.9950, 179.750-215.750, 216-224.9950, 225-399.9875, 400-511.9875, 517.750-805.750, 806-823.9375, 851-868.9375, 896.1125-1300 MHz. **Power:** Requires 4 "AA" alkaline or Ni-Cd batteries or AC or DC adapter (see p. 31). **Jacks:** Earphone, antenna (BNC), external power, charger. **Size:** $6^{1}/_{16} \times 2^{5}/_{8} \times 1^{5}/_{8}$".

## 200 channels, triple-conversion, HyperScan™ high-speed scanning

**PRO-62.** Like the best full-size receivers, this scanner uses a triple-conversion design to virtually eliminate image-type interference. HyperScan provides 50-channel-per-second search and 25-cps scanning. High-speed scanning helps you follow 800-MHz trunked systems used by many police and fire departments. High-speed search finds new or unlisted frequencies in a flash. Memory has ten banks of 20 channels each to allow selective scanning. A separate 10-channel bank holds search findings. Auto and manual AM/FM mode selection, priority, key-lock, backlight, low-battery indicator, memory backup. (TSP) **20-560** ... **299.99**

New **Soft carry case.** (20-053 CMC) **RSU 11269586** ..... **19.99**

**Frequency Coverage:** 30-54, 118-174, 380-512, 806-823.9875, 849.0125-868.9875 and 894.0125-960 MHz. **Power:** Requires 6 "AA" alkaline or Ni-Cd batteries or AC or DC adapter (see p. 31). **Jacks:** Earphone, antenna (BNC), external power, charger. **Size:** $6^{1}/_{8} \times 2^{1}/_{2} \times 1^{3}/_{4}$".

Mobile use of scanners may be unlawful in some areas or may require a permit—check with local authorities.

World Radio History

# Handheld scanners with 800-MHz coverage.



## 200 channels, 800 MHz, band-search for fire, VHF-air, marine and weather

**PRO-51.** HyperScan gives you 50-channel-per-second scanning and incredible 100-channel-per-second search. High-speed scanning helps you follow 800-MHz trunked radio systems now used by many police and fire departments. You get handy one-touch band-search for preprogrammed air, VHF-marine, fire and weather frequencies in addition to direct and limit search. Memory is divided into ten 20-channel banks, which allows selective scanning. A separate 10-channel bank holds frequencies found during search. Priority mode, individual channel lockouts, display backlight, key-lock button, memory backup. (TSP) **20-308, 319.99**

New Soft carry case. (20-051 CMC) **RSU 10508026** ..... **19.99**

**Frequency Coverage:** 29-54, 108-174, 406-512, 806-823.9375, 851-868.9375 and 896.1125-956 MHz. **Power:** Requires 4 "AA" alkaline or rechargeable Ni-Cd batteries or AC or DC adapter (see p. 31). **Jacks:** Earphone, antenna (8NC), external power, charger. **Size:** $6^{1}/_{16} \times 2^{7}/_{16} \times 1^{11}/_{16}$".



## New 60 channels, search mode, 800-MHz and VHF-air band coverage

**PRO-29.** A super value, with the buttons you use most—scan and manual—made large for easy one-hand operation, and a compact $6^{1}/_{8}$"-high size for easy portability. Search mode finds active channels automatically. It's handy when you travel—locates the frequencies used by local law enforcement, fire departments and more. When you attend events such as car races and air shows, search helps you find the "hot" frequencies used by race car drivers and pit crews, pilots and airports. You also get one-touch NOAA weather reception wherever you go, and priority mode to catch every call on your favorite channel. Automatic scan delay holds channels for two seconds so you hear more replies. Lockouts let you bypass channels while scanning others. Key-lock button prevents accidental entries while you move about. Display backlight. Audible low-battery alert. Memory backup. (TSP) **20-509**..... **239.99**

New Soft carry case. (20-051 CMC) **RSU 10508026**..... **19.99**

**Frequency Coverage:** 29-54, 108-174, 406-512, 806-823.9375, 851-868.9375 and 896.1125-956 MHz. **Jacks:** Earphone, external antenna (8NC), external DC power, charger. **Power:** Requires 4 "AA" alkaline or rechargeable batteries, or AC or DC adapter (see page 31). **Size:** $6^{1}/_{8} \times 2^{3}/_{8} \times 1^{11}/_{16}$".



## 16 channels, our most affordable handheld with 800-MHz coverage

**PRO-24.** Outstanding performance, handy one-touch weather and all the basic functions including automatic scan delay to briefly remain on channels so you hear replies to messages. Lockouts, selectable for each channel, allow you to skip any channels while you scan others. LCD channel-number display has indicators for one-touch weather-search mode, key-lock and channel-lockout status. Programmed frequencies are displayed one digit at a time when you push review button. Low-battery alert. Memory backup. (TSP) **20-503** ..... **179.99**

New Soft carry case. (20-052 CMC) **RSU 11451598**..... **19.99**

**Frequency Coverage:** 29-54, 137-174, 406-512, 806-823.9375, 851-868.9375 and 896.1125-956 MHz. **Jacks:** Antenna (8NC), earphone, external DC power, charger. **Power:** Requires 4 "AA" alkaline or rechargeable batteries or AC or DC adapter (see page 31). **Size:** $6^{3}/_{8} \times 2^{11}/_{16} \times 1^{9}/_{16}$".




## 100 channels, 800 MHz and VHF-air, high-speed scan/search

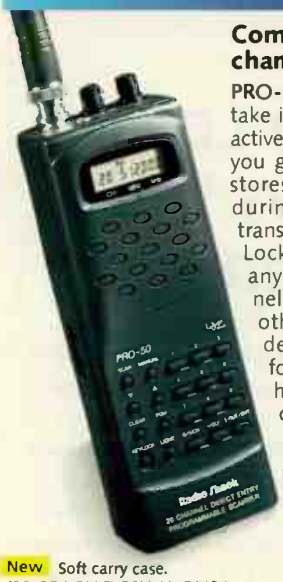
**PRO-25.** HyperScan™ 100-channel-per-second search quickly finds new and unlisted frequencies. When you travel, you can search for the local police and "action" frequencies, or just touch a button to hear local NOAA Weather Radio. 50-channel-per-second scanning helps you follow the 800 MHz trunked radio systems now used by many fire and police departments. Priority mode constantly checks your favorite channel for activity. Scan delay, selectable for each channel, helps prevent missed replies. The scanner's memory is divided into 10 banks of ten channels each so you can scan by area or service. Memory backup. Compact—only $6^{1}/_{8}$" high. Display backlight. Key-lock. (TSP) **20-505**. . **269.99**

Soft case. (20-051 CMC) **RSU 10508026**..... **19.99**

**Frequency Coverage:** 29-54, 108-174, 406-512, 806-823.9375, 851-868.9375, 896.1125-956 MHz. **Jacks:** Earphone, external antenna (8NC), external DC power, charger. **Power:** Requires 4 "AA" alkaline or rechargeable batteries, AC or DC adapter (see page 31). **Size:** $6^{1}/_{8} \times 2^{3}/_{8} \times 1^{11}/_{16}$".

Each handheld scanner includes a belt clip, detachable flexible antenna, and an easy-to-understand instruction manual.

World Radio History



## Compact size, 20 channels, search

**PRO-50.** Listen at home or take it along. Search finds active frequencies wherever you go. Monitor memory stores a frequency found during search for easy transfer to main memory. Lockouts let you bypass any programmed channels while scanning the others. Selectable scan delay pauses scanning for two seconds so you hear the replies to calls. Backlight. Key-lock. Low-battery indicator. Memory backup. (TSP) **20-307** ..... **149.99**

New Soft carry case.
(20-054 CMC) **RSU 11451606** ..... **19.99**

**Frequency Coverage:** 30-54, 137-174 MHz, 380-512 MHz. **Power:** Requires 6 "AA" alkaline or rechargeable batteries, or AC or DC adapter (see chart below). **Jacks:** external speaker/headphone, antenna (BNC), external power, charger. **Size:** $6^{5}/_{16} \times 2^{3}/_{8} \times 1^{3}/_{4}$". **Includes:** Detachable belt clip and flexible antenna.



## New 30 channels, new search features

**PRO-28.** Handy "smart" search features at a bargain price! Select from seven preset frequency bands and start a search with the touch of a button. Search-skip lets you avoid up to 20 frequencies during a search—prevents annoying lockups on undesired signals. You get one-touch NOAA weather, scan-delay and lockout selectable for each channel, audible low-battery indicator, key-lock, and memory backup. (TSP) **20-508** ..... **179.99**

*Available Nov. 30, 1995*

New Soft carry case.
(20-058 CMC) **RSU 11465465** ..... **19.99**

**Frequency Coverage:** 29-54, 137-174 MHz, 406-512 MHz. **Power:** Requires 4 "AA" alkaline or rechargeable batteries, or AC or DC adapter (see chart below). **Jacks:** external speaker/headphone, antenna (BNC), external power, charger. **Size:** $6^{5}/_{16} \times 2^{3}/_{8} \times 1^{3}/_{4}$". **Includes:** Detachable belt clip and flexible antenna.

# *Exciting Listening at Home or Away*

*Monitor law enforcement and fire-fighting professionals as they protect your community. . . listen in on aviation, railroad and VHF-marine communications. A handheld scanner brings you a new level of enjoyment at car races, air shows, sports and special events. Hear race drivers, pit crews, pilots, support and security personnel.*



## 100 channels, mobile, 800 MHZ & VHF-air bands

**PRO-2026.** Superb performer! Sized right for vehicle installation and designed with the driver in mind. You can search factory-preset frequencies by service—police, fire, aircraft, marine, weather—and find the "hot" local channels wherever you drive. Also has regular search and scan, priority, automatic 2-second scan delay, individual channel lockouts, 14-day memory backup. (TSP) **20-148** .... **249.99**

**Frequency Coverage:** 29-54, 108-136.975, 137-174 MHz, 406-512 MHz, 806-823.9375, 851-868.9375, 896.1125-956 MHz. **Power:** 12VDC neg. gnd. or AC adapter (extra). **Jacks:** ext. speaker, antenna (BNC), power. **Size:** $1^{5}/_{8} \times 6^{5}/_{16} \times 7^{3}/_{8}$".



## Home/mobile, 800 MHz, VHF-air, preprogrammed

**PRO-2038.** Ready to use right out of the box! Preprogrammed with 2193 frequencies—just touch a button to scan police, fire, air, marine or weather frequencies. Stores up to 50 other frequencies, too. HyperScan high-speed scan and search, automatic scan delay, individual channel lockouts, memory backup. (TSP) **20-413**..... **199.99**

Mobile mounting bracket. (20-028 CMC) **RSU 10455707** ..... **19.99**

**Coverage:** 29-54, 108-174, 406-512, 806-823.9375, 851-868.9375, 896.1125-956 MHz. **Power:** UL listed AC adapter (or 12VDC cord #270-1533, extra). **Jacks:** external speaker, antenna (BNC), power. **Size:** $1^{11}/_{16} \times 5^{3}/_{16} \times 7$". **Includes:** Indoor antenna.

### Features and frequency coverage of Radio Shack handheld, mobile and home/mobile scanner radios

| Model No. | Type | Page No. | Cat. No. | Memory Channels | IF Conversion System | Frequency Band Coverage: Extended Coverage | 800 MHz | UHF Lo/Hi | Military Aircraft | VHF Hi | VHF Air | VHF Lo | One-Touch Weather | Service or Band Search | Channels/Steps Per Second: Scan | Search | Batteries Required | AC Adapter | DC Adapter | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRO-50 | Handheld | 31 | 20-307 | 20 | Double | | | ✔ | | ✔ | | ✔ | | | 16 | 16 | 6 "AA" | 20-188* | 270-1560 | **149.99** |
| PRO-28 | Handheld | 31 | 20-508 | 30 | Double | | | ✔ | | ✔ | | ✔ | ✔ | ✔ | 15 | 10 | 4 "AA" | 273-1652 | 270-1560 | **179.99** |
| PRO-24 | Handheld | 30 | 20-503 | 16 | Double | | ✔ | ✔ | | ✔ | | ✔ | ✔ | | 10 | N/A | 4 "AA" | 273-1652 | 270-1533 | **179.99** |
| PRO-29 | Handheld | 30 | 20-509 | 60 | Double | | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | | 12 | 19 | 4"AA" | 273-1652 | 270-1533 | **239.99** |
| PRO-25 | Handheld | 30 | 20-505 | 100 | Double | | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | | 50 | 100 | 4"AA" | 20-188* | 270-1560 | **269.99** |
| PRO-51 | Handheld | 30 | 20-308 | 200 | Double | | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | 50 | 100 | 4"AA" | 20-188* | 270-1560 | **319.99** |
| PRO-62 | Handheld | 29 | 20-560 | 200 | Triple | | ✔ | ✔ | | ✔ | ✔ | ✔ | | | 25 | 50 | 6 "AA" | 20-188* | 270-1560 | **299.99** |
| PRO-60 | Handheld | 29 | 20-309 | 200 | Triple | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | 25 | 50 | 6 "AA" | 20-188* | 270-1560 | **379.99** |
| PRO-26 | Handheld | 29 | 20-506 | 200 | Triple | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | 50 | 100/300 | 4 "AA" | 20-188* | 270-1560 | **449.99** |
| PRO-2038 | Home/Mobile | 31 | 20-413 | 50 | Double | | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | 100 | 100 | N/A | Included | 270-1533 | **199.99** |
| PRO-2026 | Mobile | 31 | 20-148 | 100 | Double | | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | 14 | 19 | N/A | 273-1652 | (built in) | **249.99** |

*Or AC adapter 273-1665.

Mobile use of scanners may be unlawful in some areas or may require a permit—check with local authorities.

World Radio History

# Home scanners with 800-MHz and VHF-air bands.



## Hear Local News While It Happens

*Radio Shack home scanners take you far beyond headlines and edited news reports. With a scanner, you can "ride along" with police and firefighters... monitor ambulances, trains, aircraft and boats... tune in taxis, security guards, Hams and NOAA Weather. Sound exciting? Then come in and hear these easy-to-use radios! Our friendly experts will show you the home scanners that are ideal for your area and listening interests.*

### New 1000 channels, triple conversion circuit, advanced auto-store

**PRO-2042.** Coverage to 1300 MHz and selectable N-FM/W-FM/AM modes expand your listening—tune CB, FM, TV-sound, military aircraft. Triple conversion cuts image interference. Explore with rotary tuning, scan any combination of channels, search for new ones. Loaded with advanced features: Lockouts work in search mode. Auto-store loads active frequencies into specified memory banks while preventing duplications. Sound squelch stops annoying lockups on unmodulated carriers. HyperScan™ high-speed scanning helps you follow 800-MHz trunked radio systems. One-touch weather, RF attenuator. (TSP) **20-464**.....**499.99**

**Frequency Coverage:** 25-520, 760-823.995, 849.005-868.995, 894.005-1300 MHz. **Power:** UL listed AC operation or 12VDC. **Jacks:** External antenna (BNC), external DC power, tape-out, external speaker, headphone. **Includes:** Detachable indoor antenna. **Size:** $3^{13}/_{16} \times 9^{1}/_{8} \times 7^{7}/_{8}$".



### 200 channels, triple-conversion design, HyperScan

**PRO-2037.** Triple-conversion circuit rejects image interference—this scanner really *performs* in areas with crowded bands. HyperScan high-speed scanning helps you follow 800-MHz trunked radio systems. High-speed search finds new and unlisted channels fast. You get ten 20-channel memory banks. Another 10-channel bank stores your search findings for easy transfer to main memory. Priority can be set to any channel so you never miss calls on it. (TSP) **20-461, 329.99**

**Frequency Coverage:** 30-54, 118-174, 380-512, 806-823.9875, 849.0125-868.9875, 894.0125-960 MHz. **Power:** UL listed AC or 12VDC. **Jacks:** Antenna (BNC), DC input, headphone. **Includes:** Detachable indoor antenna. **Size:** $3^{3}/_{8} \times 8^{3}/_{8} \times 6^{5}/_{8}$".



### 200 channels, HyperScan high-speed scan/search

**PRO-2039.** HyperScan high-speed scanning helps you follow trunked radio systems used by many police and fire departments. High-speed search finds new and unlisted active frequencies in a flash. In the priority mode, the scanner checks your favorite channel every two seconds so you never miss calls on it. Scan delay holds a channel for two seconds so you don't miss a reply. Lockouts let you skip any channels while scanning the others. (TSP) **20-462**...**249.99**

**Frequency Coverage:** 30-54, 108-174, 380-512, 806-823.9375, 851-868.9375, 896-960 MHz. **Power:** UL listed AC. **Jacks:** External antenna (BNC), external speaker, headphone. **Includes:** Detachable indoor antenna. **Size:** $3^{1}/_{8} \times 8^{1}/_{4} \times 6^{1}/_{2}$".



### New 100 channels, new "smart" search features

**PRO-2040.** Search for new and unlisted channels at up to *300 steps per second*. During search, data-skip prevents annoying lockups on non-voice signals. Search-skip lets you program up to 50 frequencies to skip over during searches. A 10-channel monitor memory stores search findings for easy transfer to main memory. The 100-channel main memory consists of 10 banks of 10 channels each—lets you group channels for selective scanning. Also features HyperScan high-speed scanning, one-touch weather, priority channel, and individual channel lockouts. (TSP) **20-414**.....**249.99**

**Frequency Coverage:** 29-54, 108-174, 406-512, 806-823.9375, 851-868.9375, 896.1125-956 MHz. **Power:** UL listed AC adapter. **Jacks:** External antenna (BNC), speaker/headphone. **Includes:** Detachable antenna. **Size:** $2^{3}/_{4} \times 7^{7}/_{8} \times 7^{5}/_{8}$".

Mobile use of scanners may be unlawful in some areas or may require a permit—check with local authorities.
Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).

World Radio History

# Value-packed home VHF/UHF scanners.



## Hear news firsthand on this 60-channel scanner with VHF-air band, search and one-touch weather

**PRO-2034**. Hear pilots and airports in addition to local "action" channels. Search finds new or unlisted channels automatically. Touch a button for NOAA weather. The 60-channel memory is divided into 10 banks so you can group channels and scan selectively. A separate 10-channel monitor bank stores frequencies found during search, and makes it easy to put them in regular memory. Priority mode catches all calls on your favorite channel. Scan-delay. **20-411** . . . **179.99**

**Frequency Coverage**: 29-54, 108-174, 406-512 MHz. **Power**: Includes UL listed AC adapter. **Jacks**: External antenna (Motorola-type jack), headphone/external speaker. **Includes**: Detachable indoor antenna. **Size**: $2^{5}/_{16} \times 9^{9}/_{16} \times 6^{15}/_{16}$".







## Our lowest priced, 10 channels, 1-touch weather

**PRO-2033**. Easy operation, sensational low price. The PRO-2033 makes a great first scanner and a wonderful gift. It's ideal for getting someone started in an exciting hobby—monitoring local police and fire communications, railroads, VHF marine, businesses, government services, Hams and lots more. Features handy one-touch access to NOAA weather radio, automatic scan-delay to prevent missed replies, and individual lockouts so you can skip over any combination of the memorized channels while scanning others. Memory backup. (TSP) **20-410** . . . . . **119.99**

**Frequency Coverage**: 137-174 and 406-512 MHz. **Power**: Includes UL listed AC adapter. **Jacks**: External antenna (Motorola-type jack). **Includes**: Detachable indoor antenna. **Size**: $2^{5}/_{8} \times 9^{15}/_{16} \times 6^{7}/_{8}$".

## Our smallest home scanner, 20 channels, search

**PRO-508**. Small in size only! This easy-to-use scanner has all the basic features and delivers excellent performance at a low price. Search mode finds active new and unlisted frequencies automatically. Individual lockouts allow you to scan any combination of channels while skipping over others. Scan-delay, selectable for each channel, holds the channel for two seconds after a message ends so you don't miss replies. Top-mounted 3" speaker delivers crisp, clear sound. Memory backup. (TSP) **20-408** . . . . . **149.99**

**Frequency Coverage**: 30-54 MHz, 137-174 MHz and 380-512 MHz. **Power**: Includes UL listed AC adapter. **Jacks**: External antenna (Motorola-type jack). **Includes**: Detachable indoor antenna. **Size**: $2^{1}/_{16} \times 8^{1}/_{4} \times 6^{7}/_{8}$".

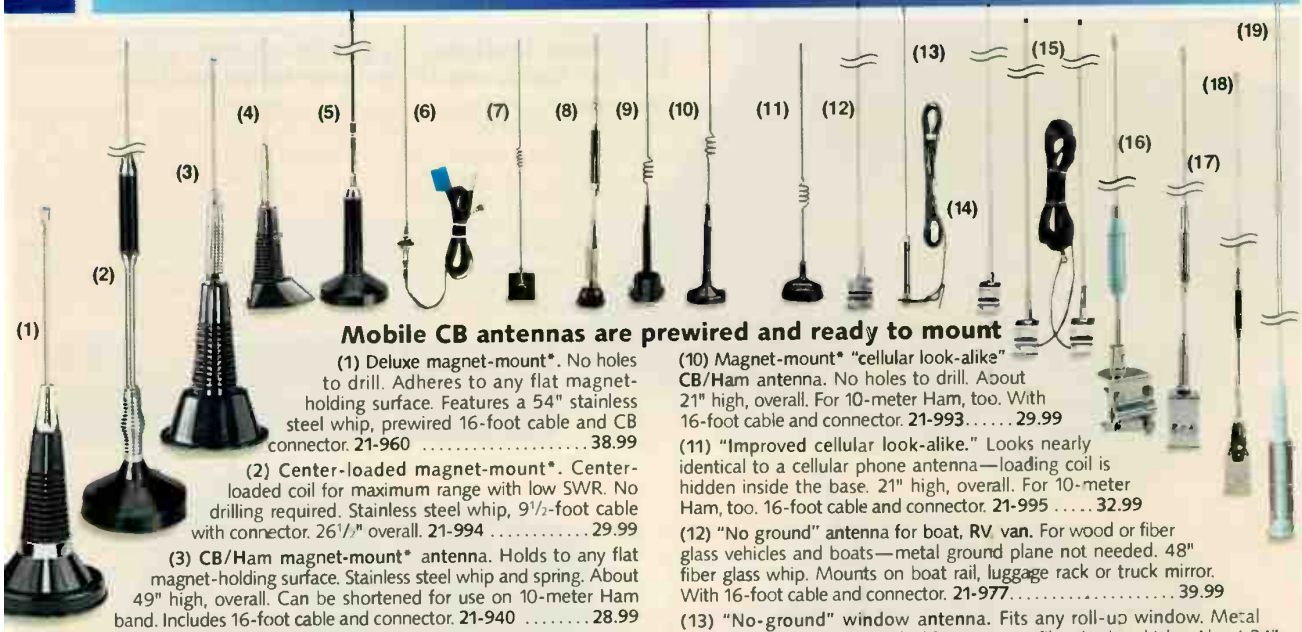
## There's a Radio Shack home scanner with the features you want!

| Model No. | Cat. No. | Page No. | Memory Channels | IF Conversion System | Frequency/Band Coverage | | | | | | Instant Weather | Channels/Steps Per Second | | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 800 MHz | UHF Hi/Lo | Military Aircraft | VHF Hi | VHF Air | VHF Lo | | Scan | Search | |
| PRO-2033 | 20-410 | 33 | 10 | Double | | ✔ | | ✔ | | | ✔ | 12 | | 119.99 |
| PRO-508 | 20-408 | 33 | 20 | Double | | ✔ | | ✔ | | ✔ | | 16 | 16 | 149.99 |
| PRO-2034 | 20-411 | 33 | 60 | Double | | ✔ | | ✔ | ✔ | ✔ | ✔ | 12 | 16 | 179.99 |
| PRO-2040 | 20-414 | 32 | 100 | Double | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | 50/12 | 100/300 | 249.99 |
| PRO-2039 | 20-462 | 32 | 200 | Double | ✔ | ✔ | | ✔ | ✔ | ✔ | | 25/8 | 50/8 | 249.99 |
| PRO-2037 | 20-461 | 32 | 200 | Triple | ✔ | ✔ | | ✔ | ✔ | ✔ | | 25 | 50 | 329.99 |
| PRO-2042 | 20-464 | 32 | 1000 | Triple | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | 50 | 50 | 499.99 |

Every Radio Shack scanner includes an easy-to-understand owner's manual with step-by-step operating instructions.

World Radio History

# Antennas for CB radios and scanners.




## Mobile CB antennas are prewired and ready to mount

**(1) Deluxe magnet-mount*.** No holes to drill. Adheres to any flat magnet-holding surface. Features a 54" stainless steel whip, prewired 16-foot cable and CB connector. **21-960** ..... **38.99**

**(2) Center-loaded magnet-mount*.** Center-loaded coil for maximum range with low SWR. No drilling required. Stainless steel whip, 9½-foot cable with connector. 26½" overall. **21-994** ..... **29.99**

**(3) CB/Ham magnet-mount* antenna.** Holds to any flat magnet-holding surface. Stainless steel whip and spring. About 49" high, overall. Can be shortened for use on 10-meter Ham band. Includes 16-foot cable and connector. **21-940** ..... **28.99**

**(4) No-hole trunk-mount antenna.** Secures to trunk lid. Steel shock spring. About 47" high, overall. 16-foot cable with connector. **21-908** .. **26.99**

**(5) Fiber glass magnet-mount*.** Easy to mount and remove. Store in trunk when not in use to help hide your installation. Fiber glass whip, 17-foot cable with connector. 39⅛" overall. **21-989** ..... **19.99**

**(6) CB/AM/FM disguise antenna.** Looks like a car radio antenna and fits standard car radio antenna hole. Features 32" stainless steel whip, prewired 8½-foot cable, splitter, and prewired connectors for CB and car radio or stereo. **21-990** ..... **34.99**

**(7) Through-glass CB antenna.** No holes to drill—installs as easily as a cellular phone antenna. Signals couple efficiently right through the glass. Includes 17-foot cable with connector. **21-985** ..... **39.99**

**(8) "Shorty" snap-in roof-mount.** Mounts in ⅜" hole. Stainless steel whip and spring. About 29" high, overall. 16-foot cable and connector. **21-906** .. **23.99**

**(9) Trunk-mount "cellular look-alike."** Mounts on trunk lid edge—no holes to drill. About 19" high. 16-foot cable and connector. **21-991** ..... **29.99**

**(10) Magnet-mount* "cellular look-alike" CB/Ham antenna.** No holes to drill. About 21" high, overall. For 10-meter Ham, too. With 16-foot cable and connector. **21-993**..... **29.99**

**(11) "Improved cellular look-alike."** Looks nearly identical to a cellular phone antenna—loading coil is hidden inside the base. 21" high, overall. For 10-meter Ham, too. 16-foot cable and connector. **21-995** ..... **32.99**

**(12) "No ground" antenna for boat, RV, van.** For wood or fiber glass vehicles and boats—metal ground plane not needed. 48" fiber glass whip. Mounts on boat rail, luggage rack or truck mirror. With 16-foot cable and connector. **21-977**..... **39.99**

**(13) "No-ground" window antenna.** Fits any roll-up window. Metal ground plane not needed. Ideal for GM vans, fiber-body vehicles. About 34" high, overall. Includes 16-foot cable and connector. **21-983**..... **29.99**

**(14) Fiber glass single trucker antenna.** 48" whip. Mounts on truck mirror. With 10-foot cable, connector. **21-939**..... **26.99**

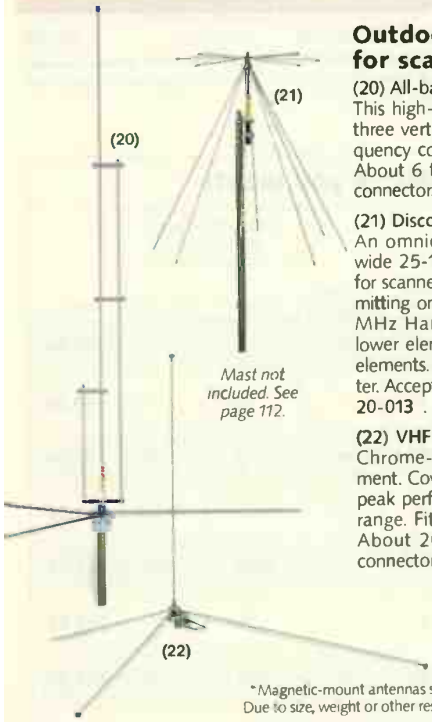
**(15) Fiber glass twin trucker.** Dual 48" whips mount on mirrors. With tuned cables. **21-945** ..... **47.99**

**(16) Single trucker II antenna.** Heavy-duty. Mounts on truck mirror. About 58" high, overall. With 10-foot cable and connector. **21-941** ..... **28.99**

**(17) Gutter-clamp antenna.** No holes to drill. Mounts on vehicle rain gutter. Steel whip. About 37" overall. With 10-foot cable, connector. **21-909** .. **23.99**

**(18) Fold-down gutter-mount.** Mounts on rain gutter. Folds down out of the way when not needed. About 38" high. 10-foot cable and connector. **21-947** ..... **29.99**

**(19) CROSSBOW® base-station CB antenna.** Omnidirectional 16-foot, ½-wave fiber glass radiator. Fits masts up to 1⅝" in diameter. Accepts PL-259 connector. Cable extra—see next page. **21-967**..... **79.99**



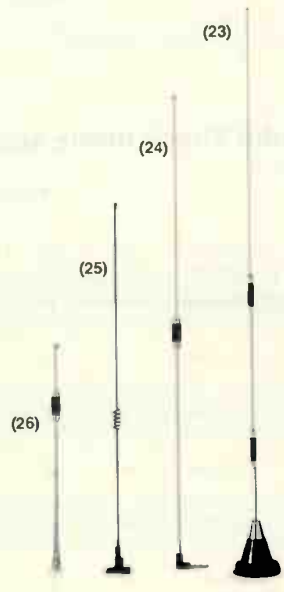

*Mast not included. See page 112.*

## Outdoor antennas for scanners

**(20) All-band ground plane antenna.** This high-performance antenna has three vertical elements for wide frequency coverage, 30 to 1300 MHz. About 6 feet high. Accepts PL-259 connector. **20-014** ..... **34.99**

**(21) Discone scanner/Ham antenna.** An omnidirectional antenna with wide 25-1300 MHz coverage. Great for scanners, it is also useful for transmitting on 144, 220, 440 and 1296 MHz Ham bands. Has eight 33" lower elements and eight 11" upper elements. Fits mast up to 1½" diameter. Accepts PL-259 connector. **20-013** ..... **59.99**

**(22) VHF-Hi/UHF scanner antenna.** Chrome-plated brass vertical element. Covers 108 to 1300 MHz with peak performance in 152-470 MHz range. Fits masts to 1½" diameter. About 20" high. Accepts PL-259 connector. **20-176**..... **17.99**




## Mobile and portable antennas for scanners

**(23) Magnet-mount* mobile scanner antenna.** No holes to drill. Covers 25 to 1300 MHz. About 36" high. With 16-foot cable and Motorola-type connector. **20-012** ..... **29.99**

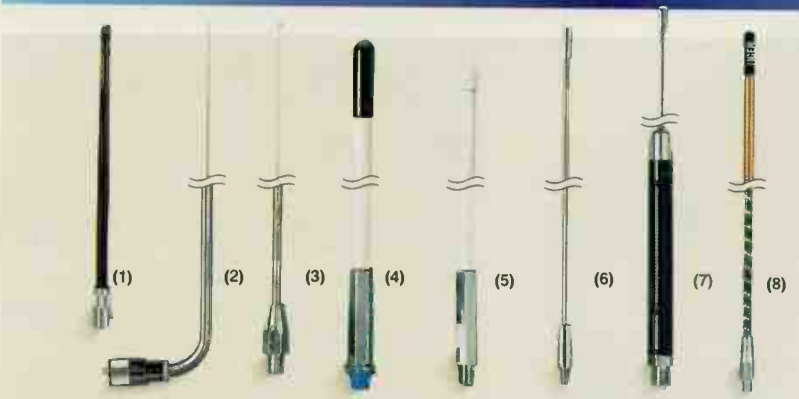
**(24) Indoor plug-in scanner antenna.** Center-loaded. Covers 30 to 512 MHz. Extends 16" to 40". Has Motorola-type plug. (Use our BNC plug adapter, #278-117, for scanners that have BNC antenna input connector.) **20-161**..... **9.99**

**(25) Mobile "cellular look-alike" glass-mount scanner antenna.** No holes to drill. Easily installs on windshield or window glass. Covers 25 to 1300 MHz. 22"-high element. Includes 16-foot cable with BNC connector. **20-011** ..... **29.99**

**(26) Center-loaded telescoping whip antenna.** For handheld scanners and Amateur radio transceivers. Receives 25 to 1300 MHz. Also for transmitting on 144, 220 and 440 MHz Ham bands. Nine sections. BNC connector. **20-006**..... **9.99**

*Magnetic-mount antennas stay in place on flat, metal surfaces at highway speeds (55 mph). Not recommended for use on vinyl roofs.
Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery or may require special handling.
Please contact store or call 1-800-THE-SHACK for details.

World Radio History




## CB whips for replacement use...or custom antenna design

(1) Flexible "rubber ducky". Fits most walkie-talkies. (21-980 CMC) RSU 10459949 ..... 9.99
(2) Back-of-set CB antenna. Right-angle design. Connects directly to CB. 21-921 ..... 8.99
(3) 102" stainless steel whip. For replacement or building your own using coil and mounts below. Standard 3/8"-24 thread. 21-903 ..... 14.99
(4) 102" fiber glass whip. With standard 3/8"-24 thread. 21-905 ..... 14.99
(5) 48" fiber glass whip. With standard 3/8"-24 thread. 21-934 ..... 12.99
(6) 39" stainless steel whip with adapter. Replacement whip for use with our #21-904, #21-908 and #21-940 mobile CB antennas and many others. 21-952 ..... 6.99
(7) "All-terrain" whip. Extra-rugged 66" base-loaded steel whip. Built to last! 21-988 .... 18.99
(8) Fiber glass whip with weather band. Excellent VHF weather reception without compromising CB. 49" long. 21-986 ..... 16.99

### Coax assemblies

Ready to use. For mobile and home. With PL-259 plug at each end.

| Length | Cable | Cat. No. | Each |
|---|---|---|---|
| 5 ft. | RG-8 | 278-969 | 7.99 |
| 10 ft. | RG-8/M | 278-979 | 9.99 |
| 20 ft. | RG-58 | 278-967 | 7.99 |
| 50 ft. | RG-8 | 278-980 | 34.99 |
| 50 ft. | RG-58 | 278-971 | 14.99 |
| 2 ft. | RG-58 | 278-968 | 4.99 |

Specialty cable assemblies.
20-foot RG58, PL-259 to spade lug. 278-966 .... 7.99
6-foot RG58, PL-259 extension cable. 278-975 .. 6.99

## Antenna accessories




(9) Chromed spring. Removable 1/8" stud 21-1118 .. 10.99
(10) Slim spring. Removable 3/8" stud. 21-962 ..... 9.99
(11) Ball mount. For mobile antennas. Chromed finish. Accepts springs above. 21-1115 .. ..... 12.99
(12) Clip-on ducky window mount. 6-ft.cord. 20-023.. 14.99



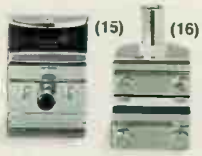

(13) Suction cup ducky mount. Suction cups hold scanner or talkie's flexible antenna to inside of glass. Great for vehicle, home, travel. 6-ft. cord with BNC plug. 20-022, 11.99
(14) Bumper mount. Sturdy mobile antenna mount with dual chains and protective vinyl covers. 21-910..... 14.99



Flat-bumper CB antenna mount. RSU 10102887, 9.99



Hood/trunk CB antenna mount. RSU 10102895, 9.99




(15) Antenna mount for rain gutter. Chrome-plated. 21-911..... 7.99
(16) Antenna mount for mirror or luggage rack. 21-937 ..... 9.99
(17) Antenna hold-down clip. 21-917 ..... 2.99
(18) Feedthrough/adapter. SO-239 to standard 3/8" thread. 21-961..... 4.99
(19) Antenna feedthrough. Lugs to standard 3/8" thread. 21-950 ..... 4.99




## Communication helpers



Lapel speaker. Clips to collar or lapel. 20-009..... 9.99



4" extension speaker. Quality sound. Mounting bracket. 10-foot cord. 1/8" plug. 21-549 ..... 14.99
Amplified speaker. As above but has 7.5W amp for extra volume. 12VDC neg. ground. 21-541, 24.99



Scanner battery pack. With charging stand. 23-288 ..... 34.99



Home scanner amplifier. Boosts incoming signal. (20-040 CMC) RSU 10456143... 74.99



Handheld scanner amp. For weak signal areas. (20-041 CMC) RSU 10456150 ..... 64.99



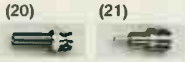
Monaural headset. Mono For CB, scanner, SW, Ham. 1/4" and 1/8" plugs. 20-210 ..... 9.99
AC adapter/charger. For Pro-23, 25, 43, 46, 50, 51, 62. 273-1665.... 7.99



Compact universal carry case. Protects scanner, talkie or cell phone. Adjustable strap. 20-024, 9.99
Universal scanner carry case. For larger handheld scanners and talkies. Belt strap. 20-004 ..... 9.99



Nail-in coax cable clips. For RG-58 coaxial cable. Black, 278-1660 ... 10/99¢ White, 278-1659 ... 10/99c For RG-8. 278-1661, 6/99¢




(20) Accepts Motorola. Fits BNC. 278-117..... 3.49
(21) Accepts PL-259 plug. Fits Motorola jack. 278-208 ..... 1.99
Accepts BNC plug. Fits Motorola. 278-160... 3.29

# CB and Scanner Extras

*Radio Shack stocks antennas, external speakers, cables and hard-to-find replacement items for CBs and scanners. Our experts will answer your questions and help you get the best possible performance.*



### Aeronautical frequency guide

Lists HF, VHF and UHF aviation frequencies used in USA, alphabetically by community. Allocation charts, designations. More than 400 pages. (62-1030 CMC) RSU 10037877 .... 21.99

### Marine frequency guide

Covers HF, VHF and UHF frequencies used by Navy, Coast Guard and more. More than 400 pages. (62-1031 CMC) RSU 10037885..... 24.99




### Beyond Police Call

Lists frequencies used by security firms and theme parks, hotels, casinos, racing crews, movie organizations, resorts, newspapers, lots more. 432 pages. 62-1040..... 9.99




### Police Call frequency guides

Regional editions list frequencies and call letters for police and fire departments, emergency services, more. ..... Each 9.99

| Volume | States Covered | Cat. No. |
|---|---|---|
| 1 | CT, ME, MA, NH, NY, RI, VT | 62-1041 |
| 2 | DE, MD, NJ, PA | 62-1042 |
| 3 | MI, OH | 62-1043 |
| 4 | IL, IN, KY, WI | 62-1044 |
| 5 | IA, KS, MN, MO, NE, ND, SD | 62-1045 |
| 6 | DC, FL, GA, NC, SC, VA, WV, PR | 62-1046 |
| 7 | AL, AR, LA, MS, OK, TN, TX | 62-1047 |
| 8 | AZ, CO, ID, MT, NM, NV, WY | 62-1048 |
| 9 | CA, OR, WA | 62-1049 |

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.
Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery or may require special handling. Please contact store or call 1-800-THE-SHACK for details.

World Radio History

# High-performance Citizens Band radios.

Available Nov. 15, 1995







## Radio Shack is #1 in CB Radio Across the USA!

*Why go anywhere else? We have the best selection of Citizens Band 2-way radios and accessories around—nobody else even comes close.*

### New Water-resistant mobile CB for your convertible, jeep or boat

**TRC-486.** This splash-proof CB resists fog, snow, mist and rain that can damage ordinary CBs! Specially designed for your open-air vehicle—convertible, jeep, motorcycle, snowmobile, even your boat. Backlit analog signal-strength/power meter gives you accurate readings. And you can even check your modulation level by pressing the on-mic modulation button. Jacks for adding external and public address speakers. Auto RF-gain for greater reception range. With microphone, fused DC cord and mounting hardware. Full legal power. 2 × 5½ × 7½". (TSP) **21-1595** ..... **89.99**

### Our best receiver! 40-channel mobile CB with digital signal processing

**TRC-493.** Advanced Digital Signal Processor electronically "cleans up" the sound to virtually eliminate annoying whistles and whines. DSP can be switched in or out as needed. You also get full-time automatic noise limiter plus RF gain, squelch and tone controls. Has easy-to-read LED channel indicator and a 4-step LED signal/power meter. Emergency Channel 9 priority switch. Jacks for adding external and public address speakers. With microphone, fused DC cord and mounting hardware. 1¾ × 5½ × 8". (TSP) **21-1590**... **149.99**




### Put one under your car seat for road assistance and travel directions

**(1) TRC-463.** Keep this road-emergency CB 2-way radio in your car for highway help, information or on-the-road conversations. Easy for anyone to set up and use—plug into cigarette lighter socket, place magnetic-mount antenna on roof (or any magnetic surface). That's it! Talk/listen on all 40 CB channels. Has emergency Channel 9 switch, up/down channel selector, LED channel indicator. Sturdy carrying case slips under car seat. Includes magnet-mount antenna, DC power cord and compact 10¾ × 4⅝ × 2¼" case. No FCC license required. (TSP) **21-1558** ..... **69.99**

### New 40-channel walkie-talkie with 3-channel weather receiver

**(2) TRC-494.** All the features of TRC-463 above plus a 3-channel weather receiver to keep you informed of weather conditions 24 hours a day. There's even a battery pack to use if your car's battery is dead. Includes magnet-mount antenna for in-car use, removable telescoping antenna for portable use, DC cord and 10¾ × 4⅛ × 3¾" storage case. Battery pack requires 8 "AA" batteries. No FCC license required. (TSP) **21-1589** ..... **99.99**

### There's a Radio Shack mobile CB with the features you want

| Model No. | Channel Selector | Noise Limiter | RX Meter | TX Meter | Ceramic Filter | PA Jack | Speaker Jack | Weather Bands | DSP | SSB | Cat. No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRC-499 | Up/Down | ✔ | | | 2 | | ✔ | | | | 21-1599 | 49.99 |
| TRC-489 | Rotary | ✔ | | | 2 | | | | | | 21-1569 | 49.99 |
| TRC-464 | Up/Down | ✔ | | | 2 | | ✔ | | | | 21-1554 | 59.99 |
| TRC-463 | Up/Down | ✔ | | | 2 | | | | | | 21-1558 | 69.99 |
| TRC-438 | Rotary | ✔ | Bar | Bar | 2 | | ✔ | | | | 21-1552 | 69.99 |
| TRC-484 | Rotary, Up/dn | | | | 2 | | | | | | 21-1556 | 79.99 |
| TRC-443 | Rotary | ✔ | Analog | Analog | 2 | ✔ | ✔ | | | | 21-1571 | 79.99 |
| TRC-486 | Rotary | ✔ | Analog | Analog | 2 | | ✔ | | | | 21-1595 | 89.99 |
| TRC-494 | Up/down | ✔ | | | 2 | | | 3 | | | 21-1559 | 99.99 |
| TRC-444 | Rotary | ✔ | Analog | Analog | 2 | ✔ | ✔ | | | | 21-1572 | 99.99 |
| TRC-483 | Rotary | ✔ | Bar | Bar | 2 | ✔ | ✔ | 10 | | | 21-1557 | 99.99 |
| TRC-495 | Rotary | ✔ | Analog | Analog | 2 | | ✔ | | | | 21-1579 | 149.99 |
| TRC-493 | Rotary | ✔ | Bar | Bar | 2 | ✔ | ✔ | | ✔ | | 21-1590 | 149.99 |
| TRC-465 | Rotary | ✔ | Bar | Bar | 2 | ✔ | ✔ | | | ✔ | 21-1567 | 169.99 |

Radio Shack CBs are backed by a nationwide service network.

World Radio History




**New Deluxe Classic Series mobile CB with mic gain, screw-on mic connector, and analog signal/power meter**

**TRC-444.** Handsome chrome detailing, rugged toggle switches and precise analog signal-strength/power meter add up to classic styling that looks great in your car, pickup, RV or 18-wheeler. Heavy-duty screw-on connector holds mic securely—won't work loose under heavy use like plug-in connectors. Mic gain lets you optimize transmit modulation so your voice comes through crystal clear. Easy-to-read analog signal-strength/power meter has backlight with dim/bright switch. Dual ceramic filters provide superior selectivity and prevent adjacent channel interference. Noise blanker cuts interference from nearby electric motors and automotive electrical system. Priority switch gives you instant access to Emergency Channel 9 without adjusting the channel selector. RF gain control lets you adjust incoming signal strength to prevent overload. Green LED display is easy on the eyes. Jacks for external and public address speakers. TX/RX LED. With microphone. Full legal power. $2^{1}/_{16} \times 6^{1}/_{8} \times 7^{7}/_{16}$". (TSP) **21-1572** ..... **99.99**

**New Digital SWR/Power meter for Ham/CB**



A properly tuned antenna is critical for optimum performance! Check your CB or HF Ham radio power and check antennas for maximum efficiency. Has 4-digit LCD display with backlight for precise readings in any light. Low insertion loss—remote sensor can be mounted at antenna. Handles up to 2000 watts maximum power. Includes 6-ft. cable for connecting sensor and display. UL listed AC adapter.
**21-527** ..... **119.99**

**Regulated power supply**



Plug it into 120VAC house current and power your mobile CB radio and other car accessories that use 12VDC. The tightly regulated voltage output (less than 20 millivolt ripple) makes it safe to use with mobile CBs, Ham radios, CD and tape players. Push-to-reset circuit breaker, massive heat sink for cool operation. Rated 2.5 amps continuous. UL listed. **22-120** ..... **39.99**




**New Classic Series 40-channel mobile CB dresses up the interior of your car, RV or 18 wheeler**

**TRC-443.** Rugged travel companion features classically styled chrome-plated front panel and control knobs, plus an easy-to-read backlit analog signal-strength/power meter. Heavy-duty screw-on connector holds microphone securely—won't work loose under heavy use like plug-in connectors. RF gain control lets you adjust the signal-strength to prevent overload. Dual ceramic filters provide superior selectivity and prevent adjacent channel interference. Automatic noise limiting (ANL) circuitry reduces noise caused by electric motors or automotive electrical systems. Has rugged toggle switches, green LED channel display. Transmit indicator light. Jacks for connecting external and public address speakers. Includes dynamic microphone and fused DC cord. Full legal power. $2^{1}/_{16} \times 5^{1}/_{8} \times 7^{7}/_{16}$". (TSP) **21-1571** ..... **79.99**



**New Compact 40-channel mobile with on-mic channel selector**

**TRC-484.** Convenient microphone up/down channel selector prevents reaching down to change channels. Has emergency Channel 9 and 19 priority switch. RF gain lets you adjust signal-strength for best reception. Slimline design fits easily under your dashboard. RX/TX LEDs. Includes fused DC power cord. $1^{3}/_{8} \times 6^{3}/_{8} \times 7$". (TSP) **21-1556** ..... **79.99**



**Our best mobile CB features SSB for greater range**

**TRC-465.** Provides 40 AM or 80 single-sideband channels. Use sideband mode to talk to other sideband stations when range is a problem! Noise blanker and ANL for clearest reception. LED channel display. RF gain prevents receiver overload. Jacks for adding external and PA speakers. $2 \times 6^{1}/_{8} \times 6^{1}/_{8}$". (TSP) **21-1567** ..... **169.99**



**New Dual-powered base/mobile with convenient channel scan**

**TRC-495.** Delivers superior reliability and clarity thanks to ANL and noise blanker circuits. Scan ensures you never miss a call. Analog meter, rotary-type channel selector plus emergency Channel 9 priority button. RF gain. External speaker and headphone jacks. Home AC or 12VDC neg./pos. ground. $2^{15}/_{16} \times 11^{1}/_{8} \times 8^{1}/_{4}$". UL listed. (TSP) **21-1579, 149.99**



**CB with built-in 10-channel weather-band receiver**

**TRC-483.** Tune in to 24-hour weather broadcasts to learn about unsafe driving conditions or marine weather—receives all 7 U.S. and 3 International weather channels. Channel 9 priority switch for emergency help. Has jacks for adding external and public address speakers. Includes dynamic microphone. $1^{3}/_{4} \times 5^{7}/_{8} \times 8$". (TSP) **21-1557** ..... **99.99**

Mobile CBs include mounting bracket and hardware/12VDC negative ground unless stated otherwise.

World Radio History

# CB radios, plus mobile and handheld CB accessories.




## CB with 4-step S/RF meter

**TRC-438.** Dual ceramic filters virtually eliminate next-channel interference for clearer reception. Built-in automatic modulation circuit provides the best possible transmission signal. Automatic noise limiter, 4-step LED signal-strength and RF power-output meter, remote speaker jack. 1 3/8 x 4 1/2 x 7". Full legal power. (TSP) **21-1552** . . . . **69.99**




## Mini CB with big features

**TRC-464.** Fits easily under the dash for convenience on the road. Features two ceramic filters for best clarity. Automatic noise limiter, digital channel display, transmit/receive LEDs. Backlit display and controls. Jack for remote speaker. Only 1 5/16 x 4 1/4 x 7". Full legal power. (TSP) **21-1554** . . . . . **59.99**




## New Full-power mini CB radio

**TRC-499.** PLL frequency synthesizer for reliability and exact tuning. Pushbutton up/down channel selector. Dual ceramic filters for clearer reception. Automatic noise limiter, LED channel display and transmit indicator. Jack for adding external speaker. Includes mike holder. 1 3/8 x 4 5/8 x 6 1/4". Full legal power. (TSP) **21-1599** . . . . . **49.99**




## New Mini CB, mini price

**TRC-489.** Only 1 5/8 x 4 3/4 x 6 3/4"—mounts easily under dash. Affordably priced CB features automatic noise limiter for quiet operation, dual ceramic filters for clearer reception, and an easy-to-read LED channel display. LED transmit indicator. Rotary channel selector. Full legal power. (TSP) **21-1569** . . . . . **49.99**

## Mobile accessories



### Field strength/SWR testers

Field strength/ SWR tester. Measures signal transmitted. Handles 1000 watts. **21-523** . . . . . **19.99**
SWR/power meter. Measures peak and average power. 2000 watts. **21-524** . . . . . **29.99**



### Amplified speaker

7.5-watt output. For CBs, scanners, cellular phones, and Ham. 1/8" jack. **21-541** . . . . . **24.99**



### Extension speaker

For CBs, scanners, cellular phones, more. 5 watts. 10-ft. cable. 1/8" plug. **21-549** . . **14.99**



### Slide mount

Easy to install. CB slides off bracket to help prevent theft. **21-566** . . . . . **19.99**



### Magnetic mike holder

Lets you hang your CB microphone within easy reach. **21-1130** . . . . . **2.29**



### Microphone clip

Hang up your CB mike within easy reach. With mounting hardware. **21-923** . . . . . **99¢**

### SWR/power meter



A must for fine-tuning your CB or HF Ham transceiver and antenna. Remote sensor lets you place digital display in a convenient location. Measures peak/average power. 3-30 MHz. 2000W. **21-527** . . **119.99**



### Hump mount

Flexible platform—holds your CB at an easy-viewing angle. **21-540** . . . . . **24.99**



### 12VDC power cord

Fits most CBs. 3-pin 48" power cable with plug. Requires 2-amp fuse. **21-550** . . . . . **4.99**



### New Amplified CB mike

Noise-cancelling design. Requires 2 "AAA" batteries. **21-1177** . . . . . **29.99**



### Dynamic CB mike

Includes coiled cord with 5-pin DIN connector. Fits most CBs. With hanger. **21-1172** . . . **19.99**



### Dummy load

Checks output into a known load. 100W, 500MHz. (CMC 21-506) **RSU 11269479** . . . **21.99**

## Handheld accessories



### Rugged carrying case

Protects CBs, scanners and other portables. Heavy-duty belt loop for hands-free carrying. **20-004** . . . . . **9.99**



### Ni-Cd battery charger

Use rechargeable batteries and save. Just plug into CB's charging jack for convenient recharging. **23-249** . . . . . **6.99**



### Flexible antenna

Better than conventional telescoping antennas—less likely to snag on objects and break. (CMC 21-980)
**RSU 10459949** . . . . . **9.99**



### 12VDC cord

Power your CB or other portable from your car, RV or boat's 12V battery. 8-ft. long. **270-1533** . . . . . **4.49**

### Add a channel! CB walkie-talkie transmit and receive crystals

If your crystals aren't listed below, our special order service can get 'em fast! Ask for details.

| Channel | Cat. No. | Pair |
|---|---|---|
| 5 | 21-1205 | 5.99 |
| 9 | 21-1202 | 5.99 |
| 11 | 21-1207 | 5.99 |
| 19 | 21-1219 | 5.99 |
| 30 | 21-1230 | 5.99 |
| 35 | 21-1235 | 5.99 |

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.
Mobile CBs include mounting bracket and hardware. 12VDC negative ground unless stated otherwise.

World Radio History




# For Work or Play

*No license required. Stay in touch with CB walkie-talkies from Radio Shack—the first name in CB radios. Our selection includes models that cover the entire 40-channel Citizens Band, 1-channel budget models, plus 3-channel models ready to use on CB channel 14, with provisions for adding two more channels anytime.*

### New 40 channels, full legal power, scan and dual channel watch

**(1) TRC-232.** Dual channel watch switches to active channel at the touch of a button. Scan monitors all 40 channels. Last-channel and Ch. 9 recall. Hi/lo power saver. Alkaline and Ni-Cd battery packs. 7 1/4 x 3 x 1 1/2". 5 watts input. Includes DC car adapter (shown above). Requires 6 "AA" alkaline or 9 "AA" rechargeable batteries. (TSP) **21-1672** ..... **169.99**

### 40 channels, full legal power, power saver, spare battery case

**(2) TRC-231.** With illuminated LCD display, Ni-Cd and alkaline battery packs. Ceramic filter, ANL, adjustable squelch. 7 x 2 3/8 x 1 1/4". 5 watts input. Requires 8 "AA" alkaline or 10 rechargeable batteries or DC adapter. (TSP) **21-1675** ..... **149.99**

**Center-loaded telescoping antenna.** Increases range. (CMC 21-003) **RSU 10456168**..... **24.99**

### New 40 channels, full legal power and illuminated LED display

**(3) TRC-230.** Includes all the most-wanted features! Large illuminated display lets you easily see selected channel. Hi/lo power switch saves energy. Automatic noise limiter for ultra-clear signal. Adjustable squelch. Automatic modulation control maintains a constant volume level. Jack for adding external antenna, charger. Flexible antenna. Low-battery indicator. 7 1/8 x 2 1/2 x 1 5/8". 5 watts input. Requires 8 "AA" alkaline or 10 rechargeable batteries or AC or DC adapter. (TSP) **21-1668** ..... **129.99**



### With hi/lo power and flexible antenna

**TRC-225.** Saves power by dimming display after showing channel. Ceramic filter, ANL, squelch. External antenna, charger and power jacks. 5 watts input. 8 x 2 7/8 x 2 1/8". Requires 8 "AA" alkaline or 10 rechargeable batteries or DC adapter. (TSP) **21-1647**..**99.99**



### Hi/lo power-saver switch, LED display

**TRC-222.** Big features, small price. Ceramic filter, automatic noise limiter, squelch. Center-loaded antenna. Jacks for AC charger and DC power. 5 watts input. 7 7/8 x 2 3/4 x 2 1/2". Requires 8 "AA" alkaline or 10 rechargeable batteries or DC adapter. (TSP) **21-1646**..**79.99**



### New Three channels, low-battery indicator

**TRC-233.** Ceramic filter & ANL for clear signal. Hi/lo power switch, squelch control. Separate speaker and mic. Jacks for charger, antenna and power. 7 1/2 x 2 5/8 x 2 3/8". Requires 8 "AA" alkaline or 10 rechargeable batteries, or DC adapter. (TSP) **21-1643, 59.99**



### Three channels, two watts, ceramic filter

**TRC-223.** Ceramic filter & ANL for clear signal. Squelch, low-battery LED. Jacks for antenna, AC charger and DC power. With Channel 14 crystals, slots for adding two more. 7 1/2 x 2 1/2 x 2". Requires 8 "AA" alkaline or 10 rechargeable "AA" batteries. (TSP) **21-1641, 49.99**



### Three channels, 300 mW, battery test

**TRC-91.** Separate speaker and microphone for the best transmission and reception clarity. Battery-test button with LED indicator, telescoping antenna. Channel 14 crystals and space for adding two more later. 7 3/8 x 3 x 1 3/4". Requires 6 "AA" batteries. **21-1613, 29.99**



### New One channel, 100 mW with battery

**TRC-92.** Keep in touch wherever you go with this budget-priced CB walkie-talkie. Superheterodyne receiver circuit for low noise. Telescoping antenna. Transmit and receive crystals for Channel 14. 6 3/4 x 2 7/8 x 1 7/8". Requires 9V battery. **21-1614** ..... **19.99**

**Comparison Chart for CB Walkie-Talkies**

| Model No. | Cat No. | Channel Coverage | Power Watts | Display | ANL | Ceramic Filter | Channel Changer | Squelch | TX LED | RX LED | Battery Saver | Ant | Power Input | Power Output | Charging Jack | DC Jack | Special Feature(s) | Each |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRC-92 | 21-16 4 | 1 | .01 | | | | | | | | | Tele | 100mW | 50mW | | | With Ch. 14 crystals | 19.99 |
| TRC-91 | 21-16 3 | 3 | .03 | | | | Slide | | | | | Tele | 300mW | 150mW | | | With Ch. 14 crystals | 29.99 |
| TRC-223 | 21-1641 | 3 | 2 | Lo bat | ✔ | ✔ | Slide | Rotary | | | | T/Ex | 2W | 1W | ✔ | ✔ | With Ch. 14 crystals | 49.99 |
| TRC-233 | 21-1643 | 3 | 3 | Lo bat | ✔ | ✔ | Slide | Rotary | | | | T/Ex | 3W/1W | 1.5W/0.5 | ✔ | ✔ | Ch. 14 crystals, low-batt. LED | 59.99 |
| TRC-222 | 21-1646 | 40 | 5 | R LED | ✔ | ✔ | Rotary | Rotary | | | | T/Ex | 5W/2W | 2.5W/1W | ✔ | ✔ | Power miser | 79.99 |
| TRC-225 | 21-1647 | 40 | 5 | G LED | ✔ | ✔ | Up/down | Rotary | ✔ | | | F/Ex | 5W/2.5W | 4W/1W | ✔ | ✔ | Auto-dim display | 99.99 |
| TRC-230 | 21-1668 | 40 | 5 | LED | ✔ | 2 | Rotary | Rotary | | | | Flex | 5W/2W | 2.5W/1W | ✔ | ✔ | Illuminated display | 129.99 |
| TRC-231 | 21-16 5 | 40 | 5 | LCD | ✔ | 2 | Rotary | Rotary | Bar | Bar | ✔ | BNC/Fl | 5W/2W | 3.5W/1W | ✔ | ✔ | Illuminated LCD display | 149.99 |
| TRC-232 | 21-16 2 | 40 | 5 | LCD | ✔ | 2 | Up/down | Rotary | Bar | Bar | ✔ | Flex | 5W/2W | 4W/1W | ✔ | ✔ | Channel scan/dual watch LCD | 169.99 |

Always use Radio Shack batteries for best results, they're the freshest you can buy—see pages 211-212

World Radio History

# 49 MHz FM walkie-talkies.





**New 5-channel FM hands-free "audionic" in-ear walkie-talkie**

**TRC-510.** Gives you clearer communications in noisy areas. The hearing-aid-quality earpiece becomes a high-quality microphone when you speak—reduces background noise when transmitting. Five-channels make it ideal for group bike outings or hikes, construction site or warehouse—and since it's hands-free, you can continue working while you communicate. Dual-conversion superhet receiver. Voice activated—transmits when you talk, receives when you listen. Belt clip. Up to 1/8-mile range. 2 1/2 × 4 15/16 × 1". Requires 9V battery.
**21-410** ..... **Each 69.99**

**One-channel FM hands-free "audionic" walkie-talkies**

**TRC-508.** One-channel version of above. Up to 1/8-mile range. 2 1/2 × 4 15/16 × 1". Each requires 9V battery. **21-408** ..... **Pair 89.99**



**Voice-activated five-channel FM hands-free headset**

**TRC-507.** Five channels let you talk to the neighborhood or your whole work crew. Voice-activated or manual operation. Dual-conversion superhet receiver, volume and VOX sensitivity controls. Belt clip. Up to 1/4-mile range. 5 1/2 × 2 15/16 × 15/16". Requires 9V battery. (TSP) **21-407** ..... **Each 49.99**



**Voice-activated one-channel FM hands-free headsets**

**TRC-506.** Selectable voice-activated or manual operation. Dual-conversion superhet receiver, volume and VOX controls. Headset and belt clip. Up to 1/4-mile range. 4 9/16 × 2 1/2 × 15/16". Each requires 9V battery. (TSP)
**21-406** ..... **Pair 69.99**

# For Work or Play!

## No License Required

*Stay in touch with these rugged, reliable, and quiet 49 MHz FM walkie-talkies. You'll enjoy clean, noise-free reception no matter which model you choose! Our selection includes audionic and headset models for hands-free communications, five-channel models for groups or work crews, plus value-priced one-channel models.*

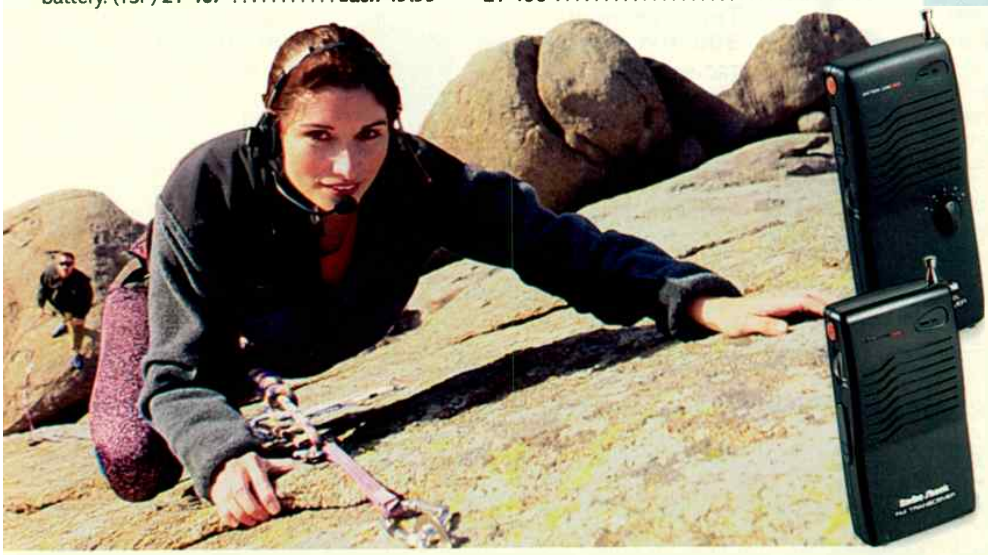
***Amazing in-ear "audionic" design gives you hands-free, ultra-clear communications, even in noisy areas.***

*Combines a hearing-aid-quality earphone and a top-quality microphone that fit comfortably in your ear. When you talk, it picks up your voice and automatically transmits. And since the microphone is in your ear, it doesn't transmit any outside noises. When you stop talking, the system switches to receive. You can keep in touch without stopping what you're doing.*

***Multi-channel operation adds greater versatility***

***For Work:*** *Use when taking inventory in a warehouse, keeping track of staff in a large building, or talking to a crew on a construction site.*

***For Play:*** *Excellent for group activities such as hiking, hunting and fishing, skiing, bicycle tours, crew sports, field trips and sporting events.*



**Compact five-channel FM handheld walkie-talkie**

**TRC-512.** Fits in your pocket! Only 6 1/8 × 2 5/8 × 1 1/16". Five channels for multi-unit use—perfect for sporting events, camping, biking, hiking, or on the job at work site or warehouse. Dual-conversion superhet circuit for clear, low-noise reception. Call button sends alert-tone signal. Low battery LED. Telescoping antenna, belt clip Up to 1/4-mile range. Requires 9V battery. **21-412**..... **Each 39.99**

**Mini-size one-channel FM handheld walkie-talkie**

**TRC-509.** For work or play. Superhet circuitry for low noise. 2" speaker. Low-battery LED. Up to 1/4-mile range. Just 4 3/4 × 2 5/8 × 1 1/32" and weighs 5 ounces. Requires 9V battery. **21-409**..... **Each 24.99**



World Radio History

# Extra-rugged business-band radios.

(1)




**New World-famous MOTOROLA® quality—now available at your neighborhood Radio Shack store**

Designed and built by Motorola for Radio Shack, these rechargeable transceivers will provide clear communications for businesses, construction, security, schools, churches, hospitals and organizations. They are available in VHF-FM or UHF-FM versions—both PLL-synthesized so crystals are not needed to change the factory-set frequencies. Range: to several miles (line of sight). With the optional CTCSS kit (below) you'll hear calls only from other transceivers set to your CTCSS tone. Each includes extended service rechargeable Ni-Cd battery, flexible antenna, UL listed 10-hour AC charger, and belt clip. $6^5/_{16} \times 2^5/_8 \times 1^1/_4$". *FCC license required, see below.*

**(1) BTX-125 VHF-FM.** 1-watt. 13 hours normal battery life. Configured for VHF "green" frequency, 154.600 MHz. **19-1215** ..... **Each 179.99**
Can be set to "blue", "purple" or "red" VHF business frequency.

**(2) BTX-126 UHF-FM.** 2 watts. 8 hours normal battery life. Configured for UHF "yellow" frequency, 464.550 MHz. **19-1216** ..... **Each 219.99**
Can be set to "brown", "J", "K", "blue-star", "gold-star", "red-star" or "silver-star" UHF business frequency.



(2)




## Genuine Motorola accessories for business radios above and Spirit®-series products



**Remote speaker/microphone.** (19-351, CMC) **RSU 11443611, 54.99**



**Earpiece with microphone.** (19-352, CMC) **RSU 11437274, 44.99**



**External VOX adapter.** For hands-free convenience. Automatically switches transceiver to transmit when you speak, then back to receive. For use with #19-352 or #19-355. (19-353, CMC) **RSU 11437282** ..... **39.99**



**Earbud.** Comfortable, lightweight in-ear earphone. (19-354, CMC) **RSU 11437316** ..... **16.99**



**Headset with swivel-boom microphone.** (19-355, CMC) **RSU 11437324** ..... **49.99**



**Earbud with clip microphone.** PTT (push-to-talk) switch. (19-356, CMC) **RSU 11437332** ..... **39.99**



**Flexible ear receiver.** (19-357, CMC) **RSU 11437340** ..... **34.99**



**Leather carry-case with belt loop.** (19-358, CMC) **RSU 11448958** ..... **29.99**



**Nylon case with belt loop.** (19-359, CMC) **RSU 11448966** ..... **24.99**



**Spring-action belt clip.** (19-360, CMC) **RSU 11437357** ..... **5.99**



**Ni-Cd rechargeable battery.** (19-361, CMC) **RSU 11437365** .. **34.99**



**3-hour desktop charger.** Accepts battery only. (19-362, CMC) **RSU 11437373** ..... **53.99**



**10-hour desktop charging tray.** Requires use of AC charger supplied with transceiver. Accepts battery only. (19-363, CMC) **RSU 11437381** ..... **9.99**



**CTCSS kit.** Cuts interference from other users on your frequency. You only hear calls from transceivers set to your subaudible CTCSS tone. One kit required per transceiver. (19-364, CMC) **RSU 11437399** ..... **49.99**




**(1) BNC adapter.** Lets you remove flexible antenna and connect a mobile or external antenna with BNC plug. (19-365, CMC) **RSU 11451523** ..... **14.99**

**(2) VHF stubby antenna.** Convenient for short-range use. (19-366, CMC) **RSU 11437407** ..... **9.99**

**(3) UHF stubby antenna.** (19-367, CMC) **RSU 11437415** ..... **9.99**

**IMPORTANT:** An FCC license is **REQUIRED** to transmit with the transceivers shown above. Transmitting without a license can result in fines up to several thousand dollars. Licenses are easy to get—see transceivers' owner's manuals for complete details. Items with RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply. MOTOROLA and Spirit are registered trademarks of Motorola.

World Radio History

# Tune in the world on our shortwave receivers.



## New Tabletop shortwave communications receiver

**DX-394.** Our best—sensitive, selective, rock-stable, loaded with useful features to please both beginning shortwave listeners and seasoned DXers. Advanced digital-tuning, dual-conversion system provides gapless 150 kHz-29.999 MHz coverage with selectable AM/LSB/USB/CW wide/CW-narrow modes and fine-tuning control for SSB/CW. Explore with rotary tuning, program *160 frequencies* for instant recall, enter desired frequency or meter band on the keypad, even scan or search. Lighted LCD display. Five programmable on/off times, sleep-timer auto-shutoff. 3½ × 9⅛ × 7⅞". Detachable antenna, SO-239 (coaxial) and RCA jacks for external antenna. Jacks for headset, external speaker, tape-out, external DC power. UL listed AC. (TSP) **20-224** ..... **399.99**



## Digital tuning, auto-recording

**DX-392.** Digital tuning teams with a built-in cassette and timer that enable you to tape programs *automatically*. Full SW coverage plus AM, FM, LW. BFO for SSB/CW. Scan, rotary, keyboard tuning, 45 presets. Dual conversion. Local/world time display. Wake to radio or buzzer. Jacks: headset, antenna. 7½ × 11⅞ × 2⅞". Requires 3 "AA" and 4 "D" batteries or adapter: AC #273-1655, DC #14-844. (TSP) **20-219** ..... **259.99**

**Get the bands you want! Check this chart**

| Model No. | Cat. No. | Tuning | Frequency Coverage |
|---|---|---|---|
| DX-395 | 20-225 | Digital | AM, FM, SW: 3.2-7.3 and 9.5-21.75 MHz, AM mode. |
| DX-394 | 20-224 | Digital | LW, AM, SW (provides continuous 150 kHz-29.999 MHz coverage, AM and SSB/CW modes). |
| DX-392 | 20-219 | Digital | LW, AM, FM, FM stereo*, SW (continuous 150 kHz-29.999 MHz coverage, AM and SSB/CW modes). |
| DX-390 | 20-214 | Digital | |
| DX-375 | 20-212 | Digital | AM, FM, FM stereo*, SW: 2.3-6.25 MHz and 7.1-21.85 MHz, AM mode. |
| DX-351 | 20-215 | Analog | LW, AM, FM, FM stereo*, SW: 60, 49, 41, 31, 25, 21, 19, 16 and 13 meters, AM mode. |
| DX-350 | 20-209 | Analog | LW, AM, FM, SW: 49, 41, 31, 25, 21, 19, 16, 13 and 11 meters**, AM mode. |

*requires headphones. LW=longwave. SW=shortwave. kHz=kilohertz. MHz=megahertz.
**DX-350 and DX-351 each cover 9 major international shortwave broadcast bands. These bands are usually referred to by their *meter* (wavelength) equivalents, i.e.: "the 41-meter band," "the 19-meter band," etc. For exact coverage in MHz, see the owner's manuals.



## Digital tuning, search

**DX-375.** Pushbutton tuning, 30 presets, memory scan. Sleep timer, tone control, 3" speaker, jack for adding stereo headset. 7¼ × 4¾ × 1⅜". Requires 2 "C" batts. or adapter: AC #273-1654, DC #270-1560A. (TSP) **20-212** ..... **99.99**



## New Digital tuning, alarm, sleep timer

**DX-395.** Clock radio, sleep timer, 10 presets for SW, 5 each for AM, FM. Jack for headphone. 6¾ × 7½ × 1½". Requires 4 "AA" and 2 "AAA" batts. or adapter: AC #273-1650, DC #270-1560. (TSP) **20-225, 79.99**



## Digital tuning, BFO

**DX-390.** Brings you the superb performance and all features of DX-392 (left) without cassette. 4" speaker. Delivers FM in stereo through the headphone jack. Requires 3 "AA" and 4 "D" batteries or adapter: AC #273-1655, DC #14-844. (TSP) **20-214** .. **219.99**



## Sized right for travel

**DX-351.** Only 3⅛ × 5½ × 1⅛". Easy-to-read dial has separate scales for AM, FM, LW and 9 SW bands. 2" speaker, jack for adding headphone. Requires 2 "AA" batteries or adapter: AC #273-1650, DC #270-1560. (TSP) **20-215** ..... **49.99**



## 12 bands in a compact size

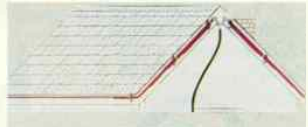
**DX-350.** Listen at home or take it along. The dial has 12 separate, easy-to-read scales for AM, FM, LW and nine international shortwave broadcast bands. Features slide-action band selectors, separate on/off and volume controls, LED tuning indicator, 2½" speaker, telescoping antenna, jacks for adding a headphone and external power. 4 × 7 × 1½". Requires 4 "AA" batteries or adapter: AC #273-1454, DC 14-844. (TSP) **20-209** ..... **59.99**

# Shortwave accessories



## Shortwave book and audio tape

**Listening to Shortwave Radio.** By Ken Winters. Fact-filled 64-page book and cassette get you started in the hobby of worldband listening. Learn about radios, antennas, best times to listen, more. Tape includes actual SW broadcasts.
**62-1021** ..... **7.99**



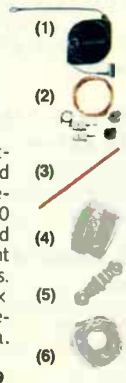
## Outdoor antenna

This multi-element dipole delivers outstanding shortwave reception. It can be mounted between two supports, on a single mast, on or under roof eaves, or in an attic. Equivalent to over 190 ft. of wire, yet only 65 ft. overall. Accepts PL-259 coax connector. Requires coax cable lead-in (see page 35). **20-181** ..... **29.99**



## Amplified indoor antenna

Ideal for apartment dwellers and travelers. A preselector *peaks* signals in the 3 to 30 MHz range, helps *reject* unwanted signals. A gain control helps prevent overloading from strong signals. 29" telescoping whip. 4½ × 4 × 1½". Jack allows use as preselector with external antenna. Requires 9V battery.
**20-280** ..... **29.99**



## Antennas and more

**(1) Portable shortwave antenna.** Clips over rod antenna. 23-foot insulated wire element stores on reel when not in use. 278-1374 ..... **8.99**

**(2) Antenna kit.** 70-foot wire, 50-foot lead-in wire, window feedthrough and insulators. **278-758** .... **9.99**

**(3) Antenna wire.** 75-foot strong 14-gauge, 7-strand copper. **278-1329** ..... **6.99**

**(4) Mini-egg insulators.** **278-1335, Pkg. of 2** .... **4.69**

**(5) "Dogbone" insulator.** 3½" long. **278-1336** .. **3.69**

**(6) Outdoor RF connector sealant.** Seals out moisture. 60" roll. **278-1645** .... **2.69**

Our easy-to-use shortwave radios make great gifts! Ideal for anyone traveling or serving overseas, students and teachers of foreign languages, and anyone interested in world events.

World Radio History

# Your 24-Hour "Hotline" to the Weather

*Weatheradio receivers bring you the latest reports and forecasts from the NOAA Weather Radio station serving your area. Most stations operate around the clock.*




***Know when severe weather is coming***

*Storm alerts, forecasts and travel advisories are at your fingertips with a Weatheradio receiver. You'll get advance warning of approaching bad weather, and you'll know how to dress the kids for school. It's a "must" for boaters, hunters, campers, golfers, hikers, coaches and anyone who works outdoors. We offer desktop and portable models, plus mobile CBs with Weatheradio receivers built in—see pages 36-37. In addition, all of our scanner radios (pages 29-33) receive NOAA Weather Radio.*

NOAA Weather Radio



**New Desktop style with alert, digital tuning and 7 channels***

Sounds a full-volume alarm when the weather station transmits its alert signal. Just tap the Weather button to get details during alerts or to hear the latest weather information anytime. An LED flashes to tell you if an alert was received while you were away. Features precise set-once digital tuning, alarm-test button, alert-lock, and up to 50-mile range. $1^{11}/_{16} \times 6^{1}/_{16} \times 4^{7}/_{16}$." UL listed AC operation with backup to power the alert system and radio if AC fails. Requires 9V battery for backup. **12-247** ..... **49.99**




**New Alert, pocket size, 7 channels***

Perfect for hunters and hikers, golfers, boaters, outdoor workers. Take it along to get advance warnings of approaching bad weather. When the weather station transmits its alert signal, this receiver sounds an alarm. Just flip a switch to get details of the alert or to hear the latest forecast anytime. Features precise, set-once digital-PLL tuning, alarm-test, alert-lock, telescoping antenna, and a wrist carry strap. Up to 50-mile range. $5^{1}/_{2} \times 2^{11}/_{16} \times 1$." Requires 3 "AA" batteries. **12-246** ..... **39.99**



**Desktop 3-channel with alert**

Easy push 'n play operation plus alert. Sounds a full-volume alarm when the weather station sends its alert. Crystal controlled for set-once tuning. Up to 50-mile range. $2 \times 6 \times 4^{1}/_{8}$". UL listed AC operation with backup to power alert and radio if AC fails. Backup requires 9V battery. **12-240** ..... **39.99**




**New Alert, pocket size, 3-channels**

When the weather station sends its alert signal, a full-volume alarm siren warns you of severe weather. Just flip a switch to hear details on the alert. Flip the switch anytime to get the latest forecast and weather information. Battery-saver circuit provides up to 140 hours of battery life. Has alert-lock, alarm-test, and a crystal-controlled circuit for set-once tuning and drift-free reception. Up to 50-mile range. $4^{7}/_{8} \times 2^{5}/_{8} \times {}^{7}/_{8}$." Requires 3 "AA" batteries. **12-245** ..... **29.99**



**Desk-style 3-channel receiver**

Set the tuning just once and adjust volume to a level you like. From then on, just tap a button to get the latest weather information. Crystal-controlled circuit for drift-free reception. Receives NOAA weather stations up to 50 miles away. $1^{1}/_{8} \times 5^{3}/_{4} \times 3^{1}/_{2}$." Requires 9V battery or AC adapter #273-1431. **12-241** ..... **21.99**



**Multiband portable—weather, TV sound, VHF-air, AM and FM**

Tunes all seven NOAA weather frequencies, TV sound on ch. 2-13, and exciting talk between aircraft and airports. Speaker, earphone jack, big 7-scale dial for easy tuning. $4^{9}/_{16} \times 7^{1}/_{2} \times 1^{3}/_{4}$."Requires 4 "AA" batteries or adapter: AC #273-1454, DC #14-844. **12-456** .... **39.99**



**Digital-PLL circuit, 7 channels***

This receiver's digital-PLL circuitry provides convenient set-once tuning as well as clear drift-free reception. It tunes the three main NOAA weather frequencies plus four more used in some areas. Up to 50-mile reception range. $1^{1}/_{8} \times 5^{3}/_{4} \times 4^{1}/_{8}$". Requires 9V battery or AC adapter #273-1650. **12-243** ..... **39.99**




**New Small size 3-channel portable**

Ideal for boaters, golfers and hikers, hunters, farmers, coaches, outdoor workers, travelers or anyone who needs accurate and timely weather information. It's easy to take along—just $4^{1}/_{4} \times 2^{5}/_{8} \times {}^{7}/_{8}$" thin and weighs only 4.4 ounces. Despite its small size and weight you get excellent performance. A high-quality crystal-controlled circuit provides easy set-once tuning, drift-free reception and up to 40-mile range. Has a telescoping whip antenna and wrist carry strap. Makes a great gift! Requires 9V battery. **12-244** ..... **19.99**



**Desk "cube" Weatheradio with 7 channels***

Radio Shack's famous Weatheradio "cube" with improved styling and performance. Receives the three main weather frequencies plus four others used in some areas. Up to 40-mile range. Set hidden tuning and volume controls only once. From then on, just tap the play bar. About 3" on each side. Requires 9V battery. **12-239** ..... **19.99**

*7-channel Weatheradios receive the three main weather frequencies—162.400, 162.475 and 162.550 MHz—plus the newer frequencies used in some areas—162.425, 162.450, 162.500 and 162.525 MHz. Reception ranges are approximate and depend upon your location and terrain. Weatheradio® is a registered trademark of Tandy Corporation/Radio Shack.

World Radio History

# Our best digital clock radios offer a great variety.



## Designer style with built-in stereo compact disc player

**Chronomatic®-303.** Now you can begin and end your days to the sound of pure digital stereo and enjoy your favorite CDs throughout. At bedtime, set the sleep timer and drift off to a CD, FM stereo or AM—music shuts off automatically after up to one hour and 59 minutes. In the morning, wake to music or to a pleasant alarm that gradually increases in volume to gently rouse you. CD has automatic search music system to help you locate a specific track quickly. Clock features snooze button and red LED display with dimmer that automatically adjusts to room brightness. Radio has FM stereo indicator plus FM-AFC to lock in stations for best possible reception. Dual 3 1/2" speakers, 1/8" jack for adding stereo headphones. (Battery Backup only.) (TSP) **12-1603** ..... **129.99**



## New Dual alarms and stereo cassette recorder

**Chronomatic-306.** Combines the big sound of a stereo boombox with a full-featured digital alarm clock. Dual alarms let you set separate wakeup times for husband and wife during the week, or for waking both at different times on weekdays and weekends. You can wake to FM stereo, AM or alarm. Cassette records from the radio with one touch. Auto-level assures best volume on recordings. Also has built-in microphone for "live" recordings. Radio features FM-AFC for best reception, and lighted dial pointer for easy tuning in any light. Clock has soothing green LED display with high/low dimmer, snooze control that lets you take a few extra winks after the alarm sounds, and sleep timer for drifting off to your favorite radio station. Forward/reverse controls make setting the time easy. Balance control, dual 3 1/2" speakers and a 1/8" jack for adding stereo headphones. (TSP) **12-1609** ..... **79.99**

# Wake Up to the Day Your Way

**QUESTION:**
*If power goes out, how can I be sure to wake on time?*

**ANSWER:**
*Our AC-powered clock radios feature automatic* ***Battery Backup*** *to keep the clock running up to eight hours, without the time display, in the event of an AC outage. The backup battery also preserves your alarm settings and operates the alarm at the preset time, ensuring that you don't oversleep or miss an important appointment.*

*Another benefit: with Battery Backup, you can move your radio to another room without having to reset the clock or alarm.*

*Unlike many other clock radios, ours also feature the* ***Battery Sentinel®*** *system, which automatically tests the backup battery daily to ensure that you'll always stay on time. The red LED indicator lights up to warn you if the backup battery needs replacing.*

*All Radio Shack clock radios include these two important features, except where noted.*



## Stereo cassette player and soothing green LED display

**Chronomatic-293.** Space-saver lets you listen to AM/FM stereo or your favorite cassette tapes, and wakes you to the radio or alarm. You can even adjust the alarm volume for heavy and light sleepers. Includes snooze control, and a handy sleep timer for listening to your favorite radio station as you doze off. The easy-on-the-eyes green display has a high/low dimmer for best viewing, day or night. FM stereo and p.m. indicators. Dual 3" speakers deliver rich stereo sound. 1/8" jack lets you add stereo headphones for private listening. (TSP) **12-1593** ..... **49.99**



## New Value-packed clock radio with built-in cassette player

**Chronomatic-305.** Why clutter up your nightstand with a separate clock radio and tape player? Get both in this one compact unit. Cassette player has auto-stop to protect tapes and mechanism. Clock features snooze button and a sleep timer for dozing off to your favorite station. Wake to tape, radio, alarm. Red LED display with high/low dimmer for optimum viewing in any light. Radio has FM-AFC for best reception. Alarm-on and p.m. indicators. 3" speaker. 1/8" jack lets you add an earphone for private listening without disturbing others. **12-1608** .... **39.99**



## Digital tuning with memory presets for 20 radio stations

**Chronomatic-292.** This compact, slimline model offers a special convenience: you can store 10 FM and 10 AM stations in memory for instant recall. Precise PLL tuner with pushbutton tuning makes it easy for you to find stations. Set the sleep timer to drift off to music for up to 90 minutes. In the morning, tap the snooze control for about 9 minutes of extra Z's after the alarm sounds. Keypad lock protects radio and alarm settings. LCD time/frequency display. 3" speaker, 1/8" earphone jack. Requires 3 "AA" batteries. (TSP) **12-1592** ..... **49.99**

Clock radios are UL listed for AC operation.

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# AM/FM digital clock radios and table radio.



### Relaxing sleep machine

**Chronomatic-304.** Sweet dreams! Drift off to the sounds of soothing ocean surf, water drop or rhythmic train "clickety-clack." Set it to wake you to radio, alarm or sound effects. LED display with dimmer. 1/8" earphone jack lets you add a pillow speaker (see page 87). (TSP) **12-1604** ..... **49.99**



### Stereo with 0.9" LED display

**Chronomatic-297.** Wake to great sound on FM stereo, AM, or to alarm with variable volume control. Also features a sleep timer for drifting off and snooze control waking up gradually. Dual 2 1/2" speakers, 1/8" stereo headphone jack. **12-1597** ..... **39.99**



### Dual alarms, fluorescent display

**Chronomatic-295.** Great for working couples. Forward/reverse and fast/slow time-set controls. Sleep, snooze. Display dimmer. 3" speaker, 1/8" earphone jack. **12-1595** ... **39.99**



### Jumbo 1.8" LED time display

**Chronomatic-302.** Easy to read from across a room. Wake to radio or alarm. Sleep timer, snooze. High/low display dimmer. 2 1/4" speaker. **12-1600** ..... **29.99**



### Dual alarms, green LED display

**Chronomatic-281.** Forward/reverse and fast/slow time-set controls. Sleep timer, snooze button. Time display has a high/low dimmer. 2 1/4" speaker. (TSP) **12-1589** .. **29.99**



### Soft green LED display

**Chronomatic-274.** Soothing 0.6" display is easy on sleepy eyes. On-top snooze, sleep and time-set controls. 3" speaker, 1/8" earphone jack. **12-1582**..... **24.99**



### Space-saving slim design

**Chronomatic-278.** Sleek and stylish. Has sleep timer, snooze control and 0.6" LED display with high/low dimmer. 3" speaker. Alarm-on and p.m. LEDs. **12-1586** .. **24.99**



### Value-packed waker-upper

**Chronomatic-280.** Wake to radio or buzzer alarm. On-top controls for easy time/alarm setting. Sleep timer, snooze. LED display with dimmer. 2 1/2" speaker. **12-1588** ..... **24.99**



### New Built-in night-light

**Chronomatic-308.** Light makes it especially handy for seeing in the dark. Sleep timer, snooze. FM-AFC for best reception. 2 1/4" speaker. **12-1611** ..... **19.99**



### Dependability on a budget

**Chronomatic-291.** Even at this low price, you get dependable timekeeping with snooze and sleep controls, high/low display dimmer. 3" speaker. **12-1591**..... **19.99**



### Our smallest and lowest priced

**Chronomatic-290.** Ultracompact, yet big on performance. On-top time and alarm-set buttons, sleep timer, snooze. (Battery backup only.) **12-1590** ..... **14.99**

## Special-feature radios



### New AM/FM table radio

**MTA-16.** Classic design perfect for office reception area, desk at work or home. Tone control. FM-AFC for drift-free tuning. 5" speaker for big sound. **12-700** ..... **39.99**



### Clock radio with built-in phone

**Chronomatic-300.** Radio mutes when you lift phone handset. Sleep, snooze, high/low dimmer. 1/8" headphone jack. (TSP) **12-1602** ..... **49.99**



### New Sony® 10-ch. cordless phone

**Sony® SCT-100.** Dual alarm AM/FM clock radio with date/time display, plus 10-channel cordless phone with 10 speed-dial memories. **12-8003** ..... **119.99**

## Colorful designs for kids



### Cube radio

**Chronomatic-294.** A fun design with sleep timer, snooze, 0.6" LED display, alarm and p.m. LEDs. 2 1/2" speaker, earphone jack. **12-1594** ..... **24.99**



### With night-light

**Rise 'n Shine®.** Kids can wake to FM, AM station or one of three melodies. Fun-shaped buttons. (Battery backup only.) **12-1599** ... **29.99**



### New My First Sony®

This AM/FM clock radio makes any kid want to get up! Wake to radio or melody alarm. On-top sleep timer and snooze controls. **12-1606** ..... **34.99**

Use Radio Shack long-life alkaline 9-volt battery #23-553 for the most dependable backup (except as noted).

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# Radios for Your Active Lifestyle

*Choose your next AM/FM personal stereo receiver, headset or pocket radio from Radio Shack, the first name in radios. Our wide selection makes it easy to find the right one... at just the right price.*



### "Everything" portable receiver tunes CB, SW, TV, VHF, AM, FM

This rugged receiver tunes it all! Take it with you to enjoy local FM and AM stations, international shortwave broadcasts, channel 2-13 TV sound, VHF aircraft and Citizens Band communications. Add a microphone and it's a portable PA system! Big 4" speaker delivers excellent sound. Includes earphone for private listening and shoulder strap. UL listed AC (or 4 "D" batteries or DC adapter #14-844, extra). (TSP) **12-649** ..... **99.99**



### Rugged AM/FM portable radio

This hard worker features an FM ceramic filter for best reception, FM-AFC to lock in stations, hi/lo tone switch and telescoping FM antenna. Large 3" speaker, earphone. UL listed AC (or 4 "C" batteries, extra). **12-726** .. **24.99**



### Portable radio with FM-AFC

Switchable FM-AFC improves reception of weak stations adjacent to stronger ones. Has tone control, slide-rule tuning, full-range 4" monaural speaker. With earphone. UL listed AC (or 4 "C" batteries, extra). **12-639** ..... **39.99**



### AM/FM radio with TV-sound

Tunes VHF channels 2-13 audio so you can keep up with TV news and sports on the go. FM-AFC locks in stations while Bass Boost enhances lows. Full-range speaker. With earphone. UL listed AC (or 4 "C" batteries, extra). **12-687** ..... **39.99**



### Portable AM/FM radio

Built-in FM-AFC locks in stations for "drift-free" reception, while Bass Boost enhances lows for deep, rich sound. Full-range speaker delivers clear sound. With earphone. UL listed AC (or 4 "C" batteries, extra). **12-686** ..... **29.99**



### AM/FM clock radio for travel

LCD display, station-search feature and 10 memory presets make it a snap to find your favorite stations. Digital tuning. Clock with alarm. Requires 4 "AA" batteries or 273-1654 DC Adapter. **12-626** ..... **39.99**



### New Stereo headset with digital tuning

Ideal for workouts—double headband ensures a secure fit. Pushbutton digital tuning with 10 FM/10 AM presets. Battery-saving auto power-off after 60 minutes. Requires 2 "AAA" batteries. **12-912** ..... **69.99**



### Ultralight AM/FM stereo headset

Weighs only two ounces yet delivers sensational sound! Folds up for easy carrying in gym bag or purse. Extended Bass for "home stereo" sound. Requires "AAA" battery. **12-103**..... **39.99**



### New All-weather AM/FM with armband

This rugged sport radio really likes to play outside. Case is designed to protect it from the elements, and the ⅛" headphone jack has a protective rubber plug to ward off the elements. Includes armband and belt clip. Requires "AA" battery. **12-452** ..... **17.99**



### Budget AM/FM stereo headset

Comfortable design, Extended Bass and a great low price make this a real value. Weighs just 5 oz. with battery! Cushioned earpads. Rotary tuning control. Requires 1 "AA" battery. **12-921** ..... **24.99**



### New Radio Shack Sports headset

Durable design stands up to a workout while it shrugs off dust and moisture. Adjustable double headband ensures a secure fit. Rotary volume control. Requires 2 "AAA" batteries. **12-914**..... **39.99**



### FM headband stereo

The perfect workout companion. Rugged housing protects it from sand, dust and moisture. Comes with head and arm bands so you can wear it where it's most comfortable for you. And it includes lightweight, comfortable in-ear stereo 'phones. Requires "AAA" battery. **12-138** ..... **19.99**



### New Lightweight stereo headset

Enjoy a secure, personalized fit thanks to the adjustable double headband, plus the deep, rich sound of Extended Bass. Weighs just 4 oz. with battery installed. Flexible antenna. Requires "AAA" battery. **12-913**..... **34.99**



### Stereo headset with Extended Bass

Just 8 oz. with batteries installed, this stylish AM/FM stereo headset offers easy-to-use rotary controls and Extended Bass for deep, rich sound. Requires 2 "AAA" batteries. **12-920** ..... **39.99**



### New Radio Shack Sports digital stereo headset

Comes with all the extras, including digital tuning with 10 FM and 10 AM presets. FM-AFC locks in stations to ensure the best possible reception. Adjustable double headband ensures a comfortable, secure fit. Lock switch disables controls to prevent accidental mistuning. Rotary volume control. Requires two "AAA" batteries. **12-916**..... **59.99**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores— ask about our ordering service (items subject to availability)

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### AM/FM radio with TV sound, VHF-aircraft and weather bands

This multiband portable receives AM, FM, National Weather Service reports and forecasts, plus VHF for aircraft communications between pilots and control towers. Also tunes in channel 2-13 TV sound so you can hear your favorite TV programs. Requires 4 "AA" batteries. **12-456** ..... **39.99**



### Water-resistant AM/FM radio

You'll never miss a beat—even while in the shower—with this water-resistant radio. Features a large hook and cord for hanging in the shower or by the pool. Easy-to-turn volume and tuning controls. Built-in FM antenna. 3" speaker delivers exceptional sound. Requires 2 "AA" batteries.
**12-787** ..... **19.99**



### New Digital-tuning receiver with speaker

Just add headphones to enjoy rich FM stereo and AM sound, or share the music through the monaural speaker. Features 10 AM/FM presets, Extended Bass for rich sound and stereo/mono switch for best reception. Belt clip. Requires 2 "AAA" batteries. **12-791** ..... **49.99**



### Deluxe AM/FM pocket radio

Hi/lo tone control delivers best sound on voice or music broadcasts, while FM-AFC locks in stations. Earphone, wrist strap. Requires 3 "AA" batteries. **12-454** ..... **14.99**



### New AM/FM/TV-sound radio

Hear AM, FM and TV channels 2-13. FM-AFC. Wrist strap and earphone. Requires 3 "AA" batteries or power adapter: AC #273-1650, DC #270-1560. **12-617** .... **29.99**



### New Pocket radio for pocket change

A real value! Has FM-AFC to lock in stations for best reception, rotary volume control and an earphone for private listening. Requires 2 "AA" batteries.
**12-789** ..... **12.99**



### Digital-tuning AM/FM/TV-sound

Pushbutton digital tuning with 19 presets locks in FM stereo, AM and channels 2-13 TV audio. Built-in monaural speaker. Requires 2 "AA" batteries. **12-174** ..... **69.99**



### New AM/FM/VHF-air pocket radio

Hear AM/FM plus VHF aircraft. FM-AFC. Earphone, wrist strap. Requires 3 "AA" batteries or power adapter: AC #273-1650, DC #270-1560.
**12-615** ..... **24.99**



### New Mini stereo portable

Ideal for office, dorm room or travel, this AM/FM stereo receiver features FM-AFC for clear reception, a balance control, dual 3" speakers for great sound, and a wrist strap for carrying. Requires 4 "AA" batteries or power adapter: AC #273-1650, DC #270-1560. **12-732** ..... **29.99**



### FM stereo with in-ear phones

Just 3³/₈ x 1¹/₂ x ⁵/₈", yet delivers superb FM stereo sound. Stereo/mono switch for best reception. Belt clip. Requires "AAA" battery. (FM only.)
**12-210** ..... **24.99**



### New AM/FM stereo with headphones

Stereo/mono switch improves reception of weak signals and distant stations. Rotary volume control. Belt clip. Requires 2 "AAA" batteries.
**12-455** ..... **19.99**



### New Digital AM/FM all-weather radio

Take-anywhere weather resistant radio has digital tuning with 10 presets, FM-AFC to lock in stations and belt clip. Requires 2 "AAA" batteries.
**12-749** ..... **49.99**



### AM/FM stereo with speaker

Just add headphones for stereo or listen through the built-in monaural speaker. FM-AFC locks in stations. Requires 2 "AAA" batteries.
**12-102** ..... **19.99**



### New Sony® AM stereo/FM stereo

Sony Walkman®. Get stereo from AM stations broadcasting in Motorola™ C-QUAM format, plus FM stereo. With headphones. Requires 2 "AA" batteries. **12-127** ..... **29.99**



### New Sony® monocular/radio

Watch the action through the 8x-magnification monocular while listening to the play-by-play on the built-in AM/FM stereo receiver. Weather resistant. With headphones. Requires "AA" battery.
**12-673** ..... **79.99**



### AM/FM FunMate® pocket radio

Sleek and colorful—the ideal fashion radio for youngsters. Built-in speaker. With earphone and wrist strap. Requires 2 "AA" batteries.
**Pink, 12-730. Green, 12-734. Gray, 12-735** ..... **Each 9.99**



### "Delicious" Flavoradios®

Always popular—kids eat 'em up! Built-in monaural speaker. Includes earphone and handy wrist strap. Each requires 2 "AA" batteries.
**Blackberry, 12-201, Blueberry, 12-202** .... **Each 6.99**

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# It's a Personal Thing

*Our personal stereo portables offer great performance at great prices—a combination that equals great value. And thanks to our big selection, you can choose a player with just the features you want.*




### Digital tuning, auto-reverse, Dolby® B NR and LCD clock

**SCP-62.** Ten FM and 10 AM presets store your favorite stations for easy selection. Cassette Dolby® B NR reduces tape hiss. Metal/normal selector provides best sound from all tape types. Extended Bass enhances low frequencies. LCD clock with alarm. Belt clip. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560.
**14-1202** ..... **89.99**

### New Mini entertainment system with compact cube speakers and headphones

**SCP-66.** Get the best of two worlds! Share the sound of your favorite cassettes and AM/FM stereo stations through the compact speakers, or enjoy rich headphone stereo with the comfortable lightweight headphones. Switch in Extended Bass anytime to enhance low frequencies for a solid bass punch. End-of-tape auto-stop saves batteries, reduces wear on tape mechanism and helps prevent damage to tapes. Belt clip for easy portability. Requires 2 "AA" batteries.
**14-1209** ..... **34.99**




### New Precise digital tuning, auto-reverse and LCD clock

**SCP-76.** Digital tuning locks in stations for best reception, and you can store up to 10 for easy recall. Auto-reverse plays both sides of a cassette with no need for you to flip the tape. Switch in Extended Bass to boost low frequencies. LCD clock with alarm. Belt clip. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560.
**14-1219** ..... **59.99**



### Digital tuning and E-Bass

**SCP-65.** Look at all you get: digital tuning with 10 FM and 10 AM presets, stereo/mono switch to enhance reception of weak signals adjacent to stronger ones, Extended Bass, end-of-tape auto-stop and an LCD clock with alarm. Belt clip. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. **14-1206** ..... **49.99**



### New Auto reverse and 3-band EQ

**SCP-75.** Enjoy uninterrupted listening thanks to auto-reverse, and "customize" the sound with the 3-band equalizer. Dolby B NR cuts tape hiss, while metal/normal tape selector ensures best sound from all tape types. Belt clip. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. **14-1218** ..... **69.99**



### Auto-reverse cassette and Dolby B NR

**SCP-64.** Auto-reverse plays both sides of a cassette with no need for you to flip the tape. You get a metal/normal tape selector for best sound from all tape types, plus Extended Bass for extra low-frequency "punch." Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. **14-1204** ..... **59.99**



### New Built-in speaker and auto-reverse

**SCP-68.** Plug in stereo headphones for private listening, or share the music through the built-in monaural speaker. Auto-reverse provides continuous listening enjoyment. Extended Bass delivers lush sound. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. **14-1210** ..... **49.99**



### Auto-reverse and E-Bass

**SCP-53.** Here's our lowest priced personal stereo with both auto-reverse for continuous listening enjoyment and Extended Bass for an extra low-frequency boost. Belt clip for easy carrying. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. **14-1093** ..... **39.99**



### New E-Bass system

**SCP-74.** Carry it along and enjoy the deep, rich "home stereo" sound Extended Bass delivers. Metal/normal tape selector, battery-saving auto-stop, LED low-battery indicator, belt clip. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560.
**14-1216** ..... **39.99**



### New Packed with value

**SCP-70.** This low-priced entertainer offers rich sound and popular features including separate left and right volume controls, FM-AFC to lock in stations, and a reception-enhancing stereo/mono switch. Belt clip. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. **14-1212** ..... **29.99**



### Our lowest priced radio with cassette

**SCP-66.** Even at this low price you get the great sound of Extended Bass for a low-frequency boost whenever you want it. End-of-tape auto-stop. Belt clip for easy portability. Requires 2 "AA" batteries.
**14-1207** ..... **24.99**

Personal receivers and cassettes require stereo headphones with 1/8" plug for stereo listening. See our selection on pages 86 and 87

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## New 3-band frequency equalizer and Dolby B noise reduction

**SCP-73.** Use the 3-band EQ to customize bass, treble and E-bass to your taste, or for the type of music or speech recording you're listening to. Dolby B NR reduces tape hiss, while the metal/normal tape selector ensures clarity of sound regardless of tape type. Auto-stop. Requires 2 "AA" batteries or adapter: AC #273-1654, DC #270-1560. **14-1215, 39.99**



## New Tailor the sound with the 3-band equalizer

**SCP-72.** Have it your way—boost or reduce the response of bass, midrange and treble frequencies for the balance of lows, mids and highs you prefer. Metal/normal tape selector. End-of-play auto-stop saves batteries, reduces wear on player and tapes. Requires 2 "AA" batteries or adapter: AC #273-1654, DC #270-1560.
**14-1214** ..... **29.99**



## Auto-reverse and E-Bass at a great low price

**SCP-51.** Here's a great value in a stereo cassette: big on the most-wanted features and low-priced to boot! Auto-reverse plays both sides of the cassette continuously with no need for you to flip the tape. Extended Bass enhances low-frequency response. Requires 2 "AA" batteries. **14-1091** ..... **29.99**



## New Separate left and right volume controls

**SCP-71.** Separate left and right volume controls let you balance the stereo sound for just the right mix of music to your ears. End-of-play auto-stop saves batteries and reduces wear on tapes and player. Requires 2 "AA" batteries or adapter: AC #273-1654, DC #270-1560. **14-1213** ..... **19.99**



## Budget-priced stereo cassette with E-Bass

**SCP-63.** Take this economical entertainer along to listen to stereo cassettes at the office, while working out, in the yard or garden—just about anywhere. It delivers full-range sound, with excellent low-frequency response thanks to E-Bass. End-of-tape auto-stop. Requires 2 "AA" batteries. **14-1203** ..... **14.99**

### Choose the features you want on our stereo cassette players

| Cat. No | AM/FM | Digital Tuning | Auto Reverse | Auto Stop | Equalizer E-Bass Mega-Bass | Dolby NR | Built-In Speaker | L/R Volume | All Weather | Sports Model | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14-1203 | | | | ✔ | ✔ | | | | | | 14.99 |
| 14-1211 | | | | ✔ | ✔ | | | | | ✔ | 19.99 |
| 14-1213 | | | | ✔ | | | | ✔ | | | 19.99 |
| 14-1091 | | | ✔ | | ✔ | | | | | | 29.99 |
| 14-1214 | | | | ✔ | ✔ | | | | | | 29.99 |
| 14-1215 | | | | ✔ | ✔ | ✔ | | | | | 39.99 |
| **Check out these features on personal AM/FM stereo cassette players** | | | | | | | | | | | |
| 14-1207 | ✔ | | | ✔ | ✔ | | | | | | 24.99 |
| 14-1099 | ✔ | | | ✔ | ✔ | | | | ✔ | | 29.99 |
| 14-1212 | ✔ | | | ✔ | | | | ✔ | | | 29.99 |
| 14-1209 | ✔ | | | ✔ | ✔ | | | | | | 34.99 |
| 14-1094 | ✔ | | | ✔ | | | | | ✔ | | 39.99 |
| 14-1093 | ✔ | | ✔ | | ✔ | | | | | | 39.99 |
| 14-1216 | ✔ | | | ✔ | ✔ | | | | | | 39.99 |
| 14-1206 | ✔ | ✔ | | ✔ | ✔ | | | | | | 49.99 |
| 14-1210 | ✔ | | ✔ | | ✔ | | ✔ | | | | 49.99 |
| 14-1204 | ✔ | | ✔ | | ✔ | ✔ | | | | | 59.99 |
| 14-1208 | ✔ | | ✔ | | ✔ | ✔ | | | ✔ | ✔ | 69.99 |
| 14-1218 | ✔ | | ✔ | | ✔ | ✔ | | | | | 69.99 |
| 14-1219 | ✔ | ✔ | ✔ | | ✔ | | | | | | 59.99 |
| 14-1202 | ✔ | ✔ | ✔ | | ✔ | ✔ | | | | | 89.99 |
| 14-1221 | ✔ | ✔ | ✔ | | ✔ | | | | ✔ | ✔ | 99.99 |

## All-weather stereos



## New Sony Sports Walkman® with digital tuning and auto-reverse

**Sony WM-FS495.** Presets for 15 AM, FM stereo *and TV-audio* (channels 2-13), Mega Bass® sound enhancement and a digital stopwatch/clock. With lightweight stereo 'phones. Requires 2 "AA" batteries.
**14-1221** ..... **99.99**



## New Sony Sports Walkman AM/FM stereo cassette with auto-reverse

**Sony WM-FS395.** Features Dolby B NR and metal/normal tape selector, plus Mega Bass for low-frequency enhancement. With lightweight stereo headphones. Requires 2 "AA" batteries.
**14-1208** ..... **69.99**



## AM/FM stereo cassette

**SCP-54.** Take this entertainer along when camping, canoeing, biking and on the beach—its sealed cassette housing shrugs off dust, sand and water spray. Stereo/mono switch, rotary volume control, belt clip. Requires 2 "AA" batteries.
**14-1094** ..... **39.99**



## All-weather AM/FM stereo cassette player with E-Bass

**SCP-59.** Protective gaskets keep out sand and moisture. E-Bass delivers deep, rich lows. Auto-stop. Requires 2 "AA" batteries or adapter: AC #273-1654, DC #270-1560. **14-1099** ..... **29.99**



## New Radio Shack Sports stereo cassette player

**SCP-69.** Switch in Extended Bass to boost low frequencies. End-of-play auto-stop preserves batteries and player. Requires 2 "AA" batteries or adapter: AC #273-1654, DC #270-1560. **14-1211** ..... **19.99**

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### AC/battery with voice activation and auto-level

**CTR-69.** Voice activation makes recordings of meetings and lectures "hands-free" and saves tape and playback time. You can switch auto-level on for consistent volume on speech recordings, or off for wider dynamic range on music. Cue/review and tape counter make it easy to find a selected passage. End-of-tape auto-stop prevents tape stretching and damage to recorder's mechanism. Built-in microphone, jacks for external mic and earphone. UL listed AC (or 4 "C" batteries or DC adapter #14-844, extra). (TSP) **14-1154 . . 69.99**



### Auto-level recording and cue/review

**CTR-62.** Auto-level makes recording at the correct volume guess-free. Cue/review lets you hear a portion of a tape at high speed to find a selected passage. Auto-stop, built-in microphone, external mic jack, earphone. Requires 4 "C" batteries or power adapter: AC #273-1650, DC #14-844. **14-1150 . . . . . 29.99**

# Taking Notes? Jot it Down With Sound

## Portable cassette recorders to suit any need or budget

*Whether you're recording important notes from classroom lectures or business conferences, keeping personal memos, taking dictation or even recording talking letters, our knowledgeable sales professionals can help you find the right cassette recorder at the right price.*

**Buzz WORDS**

***VOICE ACTIVATION (VOX).*** *Records at the sound of speech or loud sounds, stops during silences to save tape, batteries and playback time.*

***AUTOMATIC LEVEL CONTROL.*** *Ensures a consistent volume level on recordings every time—no guesswork!*

***CUE/REVIEW.*** *Enables you to hear playback in fast-forward and rewind modes to find desired passages on tape quickly.*

***AUTO-STOP.*** *Turns recorder off at the end of a tape to prevent tape stretching and wear on cassette mechanism.*



### AC/battery, auto-level and tone control

**CTR-73.** Tone control for best sound. Tape counter, cue/review, auto-stop, built-in mic, earphone. UL listed AC (or 4 "C" batteries or DC adapter #14-844, extra). **14-1053 . . 49.99**



### AC/battery, auto-level and cue/review

**CTR-66.** Same features as CTR-62 above plus a cord to power recorder from home or office AC. UL listed AC (or 4 "C" batteries or DC adapter #14-844, extra). **14-1151 . . . . 39.99**



### Compact with auto-level

**CTR-88.** Enjoy perfect-volume recordings every time. Has end-of-tape auto-stop, built-in microphone and earphone jack. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. **14-1103 . . . . . 29.99**




### Voice activation on a budget

**CTR-89.** This low-priced hands-free recorder has auto-level, auto-stop, a tape counter, built-in mic and an earphone jack. Requires 2 "AA" batteries or power adapter: AC #273-1456, DC #270-1560. **14-1104 . . . . . 39.99**



### Voice activation and cue marker

**CTR-96.** Press the cue marker while recording to insert an audible tone on tape. Later, in cue/review, you can listen for the tone to find your marked passage. Pop-up mic, ext. mic jack, earphone. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. (TSP) **14-1105 . . . . . 59.99**



### With VOX, auto-level, cue/review

**CTR-76.** Hands-free recording with adjustable high/low VOX sensitivity, auto-level control, cue/review, 3-digit tape counter, auto-stop, external-mic jack and earphone. Requires 4 "AA" batteries or power adapter: AC #273-1454, DC #14-844. **14-1156 . . . . 49.99**




### New Auto-reverse Sony Pressman®

Auto-reverse works during recording and playback so you won't miss a word. VOX, built-in mic, dual speakers, playback speed control, earphone jack. Requires 2 "AA" batteries. **14-1179 . . . . . 129.99**



### Variable Speech Control™ Recorder

**VSC-2002.** Vary speed and pitch independently for understandable playback at up to twice normal speed. VOX, built-in mic. Requires 2 "AA" batteries or power adapter: AC #273-1659, DC #270-1562. (TSP) **14-1158 . . . . . 79.99**

Sony and Pressman are trademarks of Sony Electronics Inc. Variable Speech Control is a trademark of Variable Speech Control Co.

World Radio History

Apple Inc. Exhibit 1014 Page 50



### Our finest micro "notetaker"

**Micro-26.** Designed to meet the everyday demands of journalists, interviewers and business travelers. Voice activation and auto-level let you record hands-free. Has two speeds for recording up to three hours on one MC-90 tape. Find passages during playback with cue/review. Tape counter, auto-stop, quick-record, built-in microphone, jack for external mic. Earphone and carry case. Requires 2 "AAA" batteries or power adapter: AC #273-1654, DC #270-1560. (TSP) **14-1043** . . **149.99**



### New Micro with date/time stamp

**Micro-30.** Now you'll know when the tape you're playing was recorded. While you record, the year, month, day and time are digitally encoded on the tape each minute and shown on the LCD display during playback. Has two speeds, quick-record, fast-play, index marker, built-in microphone with adjustable sensitivity, and earphone jack. Requires 2 "AA" batteries or power adapter: AC #273-1650, DC #270-1560. (TSP) **14-1062**. . . . . **119.99**



### Micro with VOX and index tone

**Micro-29.** Record hands-free—automatically begins taping at the sound of a voice. Index tone lets you mark beginnings of passages for quick, easy location during review. Two speeds allow recording up to three hours on one MC-90 cassette. Quick-record, pause, auto-stop, built-in microphone, external mic jack, earphone. Requires 2 "AA" batteries or power adapter: AC #273-1456, DC #270-1560. (TSP) **14-1059**. . . . . **89.99**



### Desktop microcassette recorder with voice activation

**Micro-51.** Record meetings and interviews hands-free. Normal/fast tape speeds, auto-level recording, high/low/off VOX sensitivity switch, cue/review, tape counter and auto-stop. Built-in microphone, jacks for adding external mic and remote on/off switch. Earphone. Requires 2 "AA" batteries or power adapter: AC #273-1435, DC #270-1560. (TSP) **14-1190**. . . . . **59.99**



### Easy-to-use microcassette recorder with fast playback

**Micro-21.** Controls are arranged for easy one-hand operation. Quick record lets you go from playback to record without stopping the tape. You get two speeds for up to three hours recording on one MC-90 tape. Has pause, fast-play, cue/review and auto-stop. Built-in microphone, earphone jack. Requires 2 "AA" batteries or power adapter: AC #273-1650, DC #270-1560. **14-1159** . . **39.99**



### Microcassettes

| Type | Total Time | Cat. No. | Each | 3-up |
|---|---|---|---|---|
| MC-60 | Up to two hours | 44-640 | 2.99 | 2.57 |
| MC-60 | 3-pack/six hours | 44-647 | 6.99 | 5.99 |
| MC-90 | Up to three hours | 44-644 | 6.99 | 5.99 |

**Mini Cassette**
Mini 30. Up to 30 minutes total recording time.
**44-633. 1-9**. . . . **Each, 3.29 10-up** . . . . **Each, 2.79**



### Stereo standard-cassette recorder with built-in speaker

**SCR-59.** Does double duty—great for taking notes or playing your favorite music! Record "live" in stereo on standard cassettes with the built-in microphones. Enjoy playback through your stereo headphones or the monaural speaker. Tone control adjusts for best sound on speech or music. Cue/review, tape counter, jacks for external microphones. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. (TSP) **14-1205** . . . . . **79.99**



### New Voice-activated microcassette with quick record and index tone

**Micro-28.** Convenient voice activation starts recording at the sound of speech. Quick record lets you instantly change from playback to record. Index tone marks passages to find later. Has noise-cut switch to reduce background noise, two tape speeds, cue/review, built-in microphone, jacks for adding external mic and earphone. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. (TSP) **14-1177** . . . . . **99.99**



### Micro with VOX and fast playback

**Micro-17.** Fast-play mode increases playback speed while keeping voices understandable. Auto-level control sets the proper recording level for perfect-volume tapes. Two speeds let you record up to three hours on one MC-90 tape. Also has cue/review, pause, tape counter, auto-stop. Built-in microphone and external mic jack, earphone, wrist strap. Requires 2 "AA" batteries or power adapter: AC #273-1654, DC #270-1560. (TSP) **14-1178**. . . . . **69.99**



### New Micro with one-touch record

**Micro-22.** This pocket-sized notetaker gives you convenient voice activation for hands-free taping plus auto-level to ensure correct volume on all your recordings. Two tape speeds for up to three hours recording. Also features built-in microphone with adjustable sensitivity, cue/review, pause, and LED record/battery indicator. Earphone jack. Requires 2 "AA" batteries or power adapter: AC #273-1650, DC #270-1560. (TSP) **14-1160**. . . . . **49.99**



### New Budget microcassette recorder

**Micro-31.** Low-priced, yet packed with features! One-touch recording makes it a great on-the-spot notetaker. Has auto-level for consistent volume on recordings plus cue/review to listen to a tape at high speed to find a selected passage. Two tape speeds, pause, auto-stop. Built-in microphone. Jack for adding earphone. Requires 2 "AA" batteries or power adapter: AC #273-1650, DC #270-1560. (TSP) **14-1161**. . . . . **29.99**



### Microcassette cleaner kit

Restores clarity. With micro-size cleaning cassette, probe, mirror and cleaning solution. **44-1168**. . . . . **5.99**



### Micro head cleaner

Load like an ordinary microcassette to gently clean tape path and restore voice clarity. **44-1166**. . **2.99**

Use your Radio Shack ValuePlus® card for purchases of any amount up to your credit limit.

World Radio History

# Great Sound You Can Carry Around

*Experience sensational sound and big entertainment wherever you go with our "portable party machines." Our CD-equipped entertainers deliver superb digital stereo, while AM/FM/cassette portables bring out the best in radio and tapes. Wherever you're going, whatever you're doing, we'll help you get a handle on great sound.*



## New Portable CD system with dual cassette and Extended Bass

**CD-3318.** Perfect for CD listeners and cassette collectors alike. Enjoy clear, rich sound from the top-loading CD player, plus convenient playback features including 16-track programming, track/disc repeat and random play. CD-to-tape synchro-dubbing copies a disc to cassette at the touch of a button, and the high-speed dual cassettes make custom tape editing and personal cassette-copying quick and easy. You can record direct from built-in AM/FM stereo tuner as well. Extended Bass adds an extra low-frequency punch to music whenever you switch it in. Dual 4" speakers provide full-range sound. With jacks for personal stereo headphones and microphone. UL listed AC (or 8 "D" batteries, extra). (TSP)
**14-542** ..... 179.99



## New Sony® portable with CD player and dual cassettes

**CFD-550.** Enjoy superb sound plus an array of features to enhance your listening pleasure. The top-loading CD player offers 34-track programming, random-play and repeat. The high-speed dubbing cassettes make custom tape editing and dubbing from CDs , cassettes and the AM/FM stereo tuner simple. You can customize the sound with the built-in 3-band equalizer, and enhance low-frequency response with the Mega Bass control. The 2-way bass-reflex speakers can be detached for greater stereo separation. And, you can control CD functions, volume and power with the included remote. UL listed AC (or 8 "D" batteries and 2 "AA" batteries for remote, extra). (TSP) **14-8011** ..... 199.99



## New Sony® portable with 6-disc changer and cassette

**CFD-626.** This versatile entertainer's 20-track programmable CD changer holds up to six discs and offers one-touch relay-play for sequential playback or random play of all loaded CDs. Switch to cassette to enjoy your favorite tapes or to record from CDs and the built-in digital stereo tuner. You get high power—4.5 watts per channel—along with detachable 2-way speakers that deliver sound rivaling large home stereo systems. Mega Bass® boosts low frequencies at the touch of a button, and you can select any of four preset DSP modes to further enhance sound. Control CD functions, volume, power and tuning with the handy wireless remote. UL listed AC (or 8 "D" batteries and 2 "AA" for remote, extra). (TSP) **14-544** ..... 279.99



## New Mini-sized portable with big features

**CD-3316.** Sure it's small, but this system packs a powerful punch. Has a top-loading CD player with track/disc repeat. Synchro-dubbing records your favorite CD singles from disc to tape. And you can dub from AM/FM stereo, too. Dual 4" speakers. UL listed AC (or 6 "D" batteries, extra). (TSP)
**14-540** ..... 139.99



## New Superb CD sound for an incredibly low price

**CD-3315.** Our lowest priced CD system has big features like a top-loading CD player with 21-track programming plus track/disc repeat. Cassette has CD/tape synchro-dubbing and end-of-tape auto-stop. AM/FM tuner with LED display, Extended Bass, dual 4" speakers. With built-in microphone. UL listed AC (or 6 "D" batteries, extra). (TSP) **14-539** ..... 119.99

Portable music systems feature a 1/8" jack for adding personal stereo headphones—see page 87 for our big selection. Sony and Mega Bass are registered trademarks of Sony Electronics Inc.

World Radio History




**New Rugged, all-weather Sony® Sports portable**

Sony CFM-104. Keep up with the play-by-play at the ballpark, or listen to your favorite tapes at the beach or poolside—the rugged splash-resistant design makes this a great carry-along just about anywhere you go. Records direct from the AM/FM tuner or "live" with the built-in microphone. Cassette auto-shutoff saves batteries and reduces wear on cassette mechanism. UL listed AC (or 4 "C" batteries or DC adapter #273-1664, extra). **14-8004** ..... **59.99**




**Auto-reverse dual-cassette with 3-band equalizer**

SCR-54. Enjoy extended listening thanks to auto-reverse, plus high-speed synchro-dubbing. Customize sound with the built-in equalizer and switch in Extended Bass for an extra low-frequency "punch." Stereo-Wide® circuit expands the audio soundstage for greater realism. AM/FM stereo tuner, built-in microphone, dual 3½" speakers, headphone jack. UL listed AC (or 6 "C" batteries or DC adapter #14-844, extra). (TSP) **14-745** ..... **99.99**




**Dual-cassette with Extended Bass**

SCR-62. Copy personal tapes with ease thanks to high-speed synchro-dubbing, and record direct from the AM/FM stereo tuner or "live" with the built-in microphone. You'll enjoy excellent sound, and you can switch in Extended Bass for impact. Dual 3½" speakers, headphone jack. UL listed AC (or 6 "D" batteries, extra). (TSP) **14-709** ..... **69.99**




**Dual-cassette with Stereo-Wide**

SCR-55. Dual cassettes and synchro-dubbing make it easy to edit and copy tapes. You can record direct from AM/FM stereo, or "live" with the built-in microphone. E-Bass boosts lows and Stereo-Wide delivers room-filling sound. Dual 3½" speakers, headphone jack. UL listed AC (or 6 "C" batteries or DC adapter #14-844, extra). (TSP) **14-731** ... **79.99**



**Auto-reverse cassette with E-Bass**

SCR-60. With auto-reverse, you can listen to both sides of a tape without having to turn it over. Extended Bass delivers rich, powerful lows. Record direct from FM stereo, AM or "live" with the built-in microphone. Dual 3" speakers, headphone jack. UL listed AC (or 6 "C" batteries or DC adapter #270-1562, extra). (TSP) **14-707** ..... **79.99**



**Rich sound at a budget price**

SCR-58. Listen to cassettes, FM stereo and AM stations, and record off the air or "live" with the built-in microphone. Hi/lo tone switch, end-of-tape auto-stop. Dual 3" speakers, headphone jack. Requires 4 "C" batteries or power adapter: AC #273-1651, DC #14-844. **14-725** ..... **39.99**



**Full-size sound to carry around**

SCR-53. Enjoy stereo cassettes plus your favorite FM stereo and AM stations. Record direct from FM stereo, AM or "live" with the built-in microphone. End-of-tape auto-stop for tape protection. UL listed AC (or 6 "C" batteries or DC adapter #14-844, extra). (TSP) **14-749** ..... **59.99**



**Listen to your music in style**

SCR-50. This sleek portable lets you record direct from AM/FM stereo or "live" with the built-in microphone. Has auto-level, auto-stop, hi/lo tone switch, dual 3" speakers and headphone jack. With shoulder strap. UL listed AC (or 6 "AA" batteries or DC adapter #14-844, extra). (TSP) **14-706** ... **49.99**



**Big sound, big value**

CTR-91. Monaural AM/FM cassette records off the air or "live" with the built-in mic. Auto-level recording. 3½" speaker. UL listed AC (or 4 "C" batteries or DC adapter #14-844, extra). **14-861** .... **39.99**



**New AM/FM/shortwave cassette**

CTR-98. Ideal for travel—features FM, AM, two SW bands and switchable 110/220-volt capability. FM-AFC. Built-in mic, headphone jack. UL listed AC (or 4 "D" batteries, extra). **14-728** ..... **39.99**



**Our lowest priced portable**

CTR-94. Monaural AM/FM cassette with auto-level, auto-stop, built-in mic, earphone jack. Requires 4 "C" batteries or power adapter: AC #273-1650, DC #14-844. **14-726** ..... **29.99**

See page 53 for a complete selection of AC and DC adapters, page 211 for long-life alkaline batteries.

World Radio History

# Shelf-size remote-control CD-changer systems.



## New 24-CD changer, high-speed dubbing dual-cassette deck

**Optimus® System 736.** This space-saving performer brings you impressive sound and easy *remote* selection from up to 24 CDs—an entire library of your favorite music! Organize CDs with 24 programmable category names which appear on the display. Program up to 48 CD selections to play in the order you choose, or select random-play and the changer picks the tunes. Dual-cassette deck copies tapes at normal or high speed. You get digital tuning with 36 AM/FM stereo presets, 21-button remote, motor-driven volume control, separate bass, treble and Extended Bass controls. Phono input plus aux input for adding sound from VCR or other component. Each 13"-high speaker has a 6 1/2" woofer and 2" tweeter. Remote requires 2 "AA" batteries. (TSP) **13-1284** ..... **599.99**

23 watts per channel min. RMS, into 8 ohms from 100 to 15,000 Hz, no more than 0.9% total harmonic distortion



## 3-CD changer, dual cassettes, karaoke

**Optimus System 726.** Add a microphone and enjoy karaoke singalong, even tape your performance. Voice Canceller minimizes existing vocal, brings *your* voice "out front." Changer has 30-track programming, CD/cassette synchro-start and auto-edit for easy CD-to-tape dubbing. Digital AM/FM tuning, 32 presets. Wake and sleep timers, timer recording. Clock. Equalizer with five music-style presets. Extended Bass. Aux input. 17"-high 3-way speakers with 6 3/4" woofers. Remote requires 2 "AA" batteries. (TSP) **13-1273** ..... **499.99**

18 watts per channel, minimum RMS into 6 ohms from 65-15,000 Hz, with no more than 1% total harmonic distortion



## 3-CD changer, karaoke, dual deck, mini size

**Optimus System 727.** Big sound from a system about a foot high! Add a microphone, sing along or tape yourself. Voice Canceller minimizes existing vocal, brings out *your* voice. Changer has 30-selection memory, CD/cassette synchro-start and auto-edit for easy CD-to-tape dubbing. Digital AM/FM tuning, 32 presets. Clock, wake and sleep timers, timer recording. Equalizer with three music-style presets. Extended Bass. Motorized volume control. Aux input. Each 11 7/8"-high 3-way speaker has a 5" woofer. Remote requires 2 "AA" batteries. (TSP) **13-1274** ..... **499.99**

16 watts per channel, minimum RMS into 6 ohms from 65-15,000 Hz, with no more than 1% total harmonic distortion



## New 7-CD changer, dual-cassette, remote

**Optimus System 730.** Program up to 50 CD selections to play in the order you desire, hear all selections in sequence, or select random-play and the changer chooses for you. CD/cassette synchro-dubbing. Copies tapes, records from radio or microphone jack, plays two tapes in sequence. Wake and sleep timers. Digital clock. Digital AM/FM tuning with 24 presets. Equalizer with three music-style presets. Aux input. Each 14"-high speaker has a 5" woofer. Remote requires 2 "AAA" batteries. (TSP) **13-1277**..... **399.99**



## New 7-CD changer, micro size, remote control

**Optimus System 731.** Touch a button to enjoy an entire evening of digital stereo. Hear all seven CDs in sequence, program up to 50 selections in the order you prefer, or choose random for variety. Auto-search helps you find CD selections. CD/cassette synchro-dubbing. Cassette has end-of-tape auto-stop in record/play modes. Digital AM/FM tuning, 24 presets. Clock, sleep timer. Extended Bass. Equalizer has three style presets. Aux input. 13"-high 2-way speakers with 4" woofers. Remote requires 2 "AA" batteries. (TSP) **13-1278**..... **349.99**



## New 3-CD changer, dual-cassette, remote

**Optimus System 734.** Superb sound and popular features, only 12 2/5" high. The drawer-type CD changer offers 32-selection programming, intro-scan to "preview" selections, and random-play for variety. Dual-cassette plays two tapes in sequence, copies tapes at high speed, and records from CD or radio. Digital AM/FM tuning with 32 presets. Extended Bass control. Equalizer with three music-style presets. Clock, wake timer, 27-key remote. Each detachable 2-way speaker has a 5 1/4" woofer. Remote requires 2 "AAA" batteries. (TSP) **13-1279**..... **349.99**



## New 3-CD changer, dual cassettes, digital tuning

**Optimus System 728.** Hear it your way—enjoy up to three CDs in sequence, program up to 32 CD selections in any order, hear selections at random, or select specific tracks. Auto-search makes it easy to find desired CD selections. Dual-cassette deck plays two tapes in sequence, copies tapes at high speed, and records from CD, radio or external sources. Digital AM/FM tuning, 20 presets. Equalizer with four music-style presets. Extended Bass control. Aux input. 14 1/8"-high speakers with 5" woofers. Remote requires 2 "AA" batteries. (TSP) **13-1275**.. **299.99**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).

World Radio History

# Mighty Little Stereo Systems




## Mini with CD, dual cassettes, digital tuning, remote

**Optimus System 714.** Compact . . . and feature-packed! You get a 24-track programmable CD player with random-play, repeat and auto-search. A 5-band equalizer and Extended Bass control let you tailor sound to your taste. Digital AM/FM stereo tuning with 20 presets and auto-scan. Dual cassettes copy tapes at normal or high speed, play two in sequence, record from CD or radio. 16¼"-high speakers. Remote requires 3 "AAA" batteries. (TSP) **13-1261** ..... **299.99**




## New AC/battery, CD, dual deck, built-in karaoke

**Optimus System 729.** Big-sounding home/portable stereo has a 16-track programmable CD player, AM/FM tuner, and dual cassettes with CD/tape synchro and high-speed tape dubbing. Add a microphone and use mixing to sing along with CDs, radio or cassettes, or tape your performance. Detachable 10⅜"-high 2-way speakers. Requires 9 "D" batts. for portable use. (TSP) **13-1276** .... **249.99**



## Micro-size, CD, digital tuning, cassette, clock

**Optimus System 715.** Top-loading CD player with 21-track programming, search and repeat; precise digital AM/FM tuning with 20 station presets; and a cassette that records from CD, radio or external sources as you listen. End-of-tape auto-stop. Digital clock, remote control with on/off and volume functions. Aux input. 10³/₁₆"-high speakers. Remote requires 2 "AA" batteries. (TSP) **13-1262** .. **229.99**



## Micro size, CD player, cassette, 3-band EQ

**Optimus System 721.** We've squeezed a lot of features and value into a component stack only 5⅝" wide. It starts with a top-loading, 21-track programmable CD player with random play, auto-search and repeat. Next is an AM/FM stereo tuner, followed by an amplifier with 3-band equalizer and Extended Bass control. Cassette has auto-stop. Nine-button remote with handy mute function. Aux input jacks let you connect a turntable, sound from a VCR or other source. 10⅝" high speakers. Remote requires 2 "AAA" batteries. (TSP) **13-1268** ..... **199.99**



## New Mini system with dual cassettes

**Optimus System 737.** Small in size *and* price. This good-looking, big-sounding shelf stereo is ideal for an office or bedroom. Dual cassette deck features high- and normal-speed dubbing, plus continuous play. Matching speakers have 5" full-range drivers and 9"-high vented enclosures for clean, full sound. Also includes AM/FM stereo tuner with slide-rule tuning dial and FM stereo LED indicator. CD/aux input lets you add a compact disc player or other sound source. Rotary controls for volume, balance and tone. ⅛" stereo headphone jack.
**13-1285** ..... **99.99**

**Choose the Optimus® shelf-size, mini or micro stereo music system that's right for you!**

| Optimus Model | Cat. No. | CD | Cassette Deck(s) | AM/FM Tuner | Remote Control | Timers | Extended Bass | Aux Input | Speaker Height | Special Features | Remote Batteries | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System 737 | 13-1285 | | Dual | Analog | | | | ✔ | 9" | | | 99.99 |
| System 721 | 13-1268 | Single CD | Single | Analog | ✔ | | ✔ | ✔ | 10⅝" | 3-band equalizer | 2 "AAA" | 199.99 |
| System 715 | 13-1262 | Single CD | Single | Digital | ✔ | | | ✔ | 10³/₁₆" | 20 station presets, clock | 2 "AA" | 229.99 |
| System 729 | 13-1276 | Single CD | Dual | Analog | | | | | 10⅜" | AC/battery operation | | 249.99 |
| System 714 | 13-1261 | Single CD | Dual | Digital | ✔ | | ✔ | | 16¼" | 5-band equalizer | 3 "AAA" | 299.99 |
| System 728 | 13-1275 | 3-CD Changer | Dual | Digital | ✔ | | ✔ | ✔ | 14³/₂₀" | EQ with 4 presets | 2 "AA" | 299.99 |
| System 734 | 13-1279 | 3-CD Changer | Dual | Digital | ✔ | Wake | ✔ | | 12⅞" | Clock, 3-preset EQ | 2 "AA" | 349.99 |
| System 731 | 13-1278 | 7-CD Changer | Single | Digital | ✔ | Sleep | ✔ | ✔ | 13" | Clock, 3-preset EQ | 2 "AA" | 349.99 |
| System 730 | 13-1277 | 7-CD Changer | Dual | Digital | ✔ | Wake/sleep | | ✔ | 14" | Clock, 3-preset EQ | 2 "AAA" | 399.99 |
| System 727 | 13-1274 | 3-CD Changer | Dual | Digital | ✔ | Wake/sleep | ✔ | ✔ | 11⅞" | Karaoke, 16-watt amplifier | 2 "AA" | 499.99 |
| System 726 | 13-1273 | 3-CD Changer | Dual | Digital | ✔ | Wake/sleep | ✔ | ✔ | 17" | Karaoke, 18-watt amplifier | 2 "AA" | 499.99 |
| System 736 | 13-1284 | 24-CD Changer | Dual | Digital | ✔ | | ✔ | ✔ | 13" | Personal file memory | 2 "AA" | 599.99 |

NOTE: Music systems on these two pages each have a stereo headphone jack for private listening. See pages 85-87 for our selection of headphones.

World Radio History

# High-power stereo rack systems with CD changers.



## The Power to Hear it All

*CDs, tapes, AM/FM stereo, even video sound from your TV or VCR: you can enjoy it all with one of these powerful Optimus stereo systems.*

### New 100 watts, Dolby Pro Logic® surround, 24-CD changer and dual cassettes

**Optimus System 735.** Our finest system features 100 watts of pure power per stereo channel, plus Dolby Pro Logic surround to bring a new dimension to video movies and stereo-TV programs. We include all the speakers you need: two 3-way speakers with 12" woofers for front left and right channels, a 2-way system with 4" woofer for the video center channel, and two full-range speakers with 3½" drivers for rear surround. The 24-disc CD changer features seven preset and 24 user-definable category names for custom playback, plus 48-track programmable memory, intro scan, random play and 5-way repeat. The cassette section features high-speed synchro dubbing, auto-reverse on deck 2, and Dolby B NR for clean, dynamic sound. You also get digital tuning with 24 presets, an Extended Bass control, motorized volume control, and a multifunction 24-key remote. Aux input for video sound source or turntable. Remote requires 2 "AA" batteries. **13-1283** ..... **999.99**

Main amplifier: 100 watts per channel, min. RMS into 8 ohms, 40-20,000 Hz, no more than 0.9% total harmonic distortion.



### New 100 watts, 24-disc CD changer, dual cassettes, digital tuning, remote

**Optimus System 733.** Enjoy hours of uninterrupted entertainment from the 24-disc CD changer, with rich, clean sound thanks to the 100 watts-per-channel amplifier. You can assign each loaded CD to any of seven preset music categories, or to one of your own, then easily select high-speed cassette dubbing plus CD auto-edit, which automatically programs the maximum number of CD tracks to fit a cassette side for recording. Precise digital tuning with 24 station presets. Dual 38"-high 3-way speakers with 12" woofers. 22-key remote. Aux input for adding video sound or turntable. Remote requires 2 "AA" batteries. **13-1282** ..... **899.99**

100 watts per channel, min. RMS into 8 ohms from 40-20,000 Hz, no more than 0.9% THD



### New 100 watts, 5-disc changer, dual cassettes, digital tuning, 5-band EQ, remote

**Optimus System 732.** Packed with features and priced to please! Start with 100 watts of power for room-filling sound. Add a 5-disc CD carousel with 32-selection memory for custom programming. Check out the dual synchro-dubbing cassettes with CD auto-edit for copying your favorite discs, and Dolby B NR for clean, dynamic sound. Next, you'll find a digital tuner with 24 presets for your favorite stations. Top it all off with a 5-band equalizer that enables you to precisely adjust the tone to your taste. Dual 36"-high 3-way speakers with 10" woofers. 22-key remote. Aux input for adding video sound or turntable. Remote requires 2 "AA" batteries. **13-1281** ..... **699.99**

100 watts per channel, min. RMS into 8 ohms from 40-20,000 Hz, no more than 0.9% THD

### Rack stereo system features comparison chart

| Optimus System Model | Cat. No. | Amplifier Power Per Channel | CD Changer | Dual Cassette | Digital AM/FM Tuner | 3-Way Speakers | System Remote Control | Extended Bass | Aux Input | Special Features | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 732 | 13-1281 | 100 Watts* | 5-Disc | High-Speed Dubbing | 24 Presets | 10" Woofers | 22-Key | ✔ | ✔ | 5-Band Equalizer | 699.99 |
| 733 | 13-1282 | 100 Watts* | 24-Disc | High-Speed Dubbing | 24 Presets | 12" Woofers | 22-Key | ✔ | ✔ | 7 CD Music Styles | 899.99 |
| 735 | 13-1283 | 100 Watts* | 24-Disc | Auto-Reverse (Deck 2) | 24 Presets | 12" Woofers | 24-Key | ✔ | ✔ | Dolby Pro Logic | 999.99 |

*See complete power ratings above.

Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery, or may require special handling. Please contact store or call 1-800-THE-SHACK℠.

World Radio History






# KARAOKE Step Forward and Be Heard: It's Star Time!

*We've got everything you need to step into the spotlight. Join in the sing-along sensation that's sweeping the nation—your parties will never be the same again.*

**New Portable karaoke system with microphone**

Sing along with karaoke tapes or standard cassettes, make your own recordings. Aux input jack for connecting to stereo VCR or CD player. Built-in speaker, echo effect. Carry handle. Two microphone jacks. 13½" high. UL listed AC (or 6 "D" batteries or DC adapter #14-844, extra). (TSP) **32-1156** ..... **99.99**

**New Portable kiddie karaoke machine with microphone**

This take-anywhere entertainer lets kids sing their hearts out through the built-in speaker. Cassette player uses regular or karaoke tapes, and lets them make their own recordings. Durable design, carry handle. Requires 4 "C" batteries.
**32-1157** ..... **39.99**

**Karaoke echo microphone**

Deluxe microphone has adjustable echo effect to enhance your performance. Unidirectional pickup pattern reduces background noise and makes it ideal for on-stage performances. 15-foot cord. Requires "AA" battery.
**33-3006**..... **49.99**



**Karaoke audio cassettes**

**Garth Brooks.** With *Friends in Low Places, Papa Loved Mama, Rodeo,* 5 more. **32-3024**..... **7.99**

**Whitney Houston.** With *I'm Every Woman, I Will Always Love You, How Will I Know,* 5 more.
**33-3026**..... **7.99**

**Elvis Presley, Volume 2.** With *Burning Love, Return to Sender, Surrender,* 5 more.
**33-3028**..... **7.99**



**Stereo portable karaoke music system with microphone**

12-watt amplifier*, 8" woofer, two 2" tweeters, jacks for adding an external speaker. Fader, auto-voice and master-volume controls, echo and 5-band equalizer. Dual-cassette dubbing deck. 18⅜" high. UL listed AC (or 8 "D" batteries or DC adapter #270-1534, extra). (TSP) **32-1155**..... **179.99**



**Karaoke "to go" music system with microphone**

Great-sounding 6½" speaker. Controls for fader, master volume, mic volume, auto-voice and echo. Built-in 5-band equalizer. Dual dubbing cassette deck features continuous play. Aux in/out, two mic jacks. 16½" high. UL listed AC (or 8 "D" batteries or DC adapter #270-1534, extra). (TSP) **32-1154**..... **139.99**







*Hundreds of karaoke titles available fast through Radio Shack Unlimited. See page 4*

*Power per channel, rated per FTC rules.

World Radio History

# Our finest Optimus® A/V surround-sound receiver.

## With Optimus® home theater, the best seat in the house can be yours every night!

### Discover the ultimate home improvement for the '90s

*Imagine catapulting off the deck of an aircraft carrier, jet engines screaming behind you... conducting a world-class orchestra through Tchaikovsky's 1812 Overture, cannons booming all around... or standing amid 100,000 roaring fans at an international soccer match. Thanks to the audio/video revolution known as home theater, you can experience this excitement in your own living room.*

*At the heart of this sight-and-sound sensation is multichannel surround sound, a technology that places viewers in the middle of action and envelops them with incredibly lifelike sonic effects. Once available only in commercial theaters, surround-sound is now encoded on thousands of video movies on tapes and discs, as well as dozens of network and cable-TV programs, even live sports!*

*From its beginning, the promise of the home theater has been "movie-theater sound at home." But home theater can actually be better than a commercial theater. In the sheer volume of sound required to fill a commercial theater, dynamic subtlety and localization of sound are often lost. Home theater surround sound is more intimate, more lifelike, more enjoyable... and you are in control.*

### You may already be halfway there

*If you have a stereo TV or Hi-Fi VCR, plus a home stereo system, you have the beginnings of a sensational home theater. Putting it together is simple. First, connect your TV or VCR to your stereo system (we can show you how). Second, upgrade your receiver to one of our Optimus Professional Series A/V models (pages 60 and 62). Third, complement your existing stereo speakers with center and rear-channel speakers from our big selection (pages 70-71). With the right audio components and speakers properly positioned, your living room or den can become a virtual cinema, concert hall or coliseum. We can show you how.*




**New Our finest Optimus Professional Series receiver, with 150 watts per channel stereo, 110 watts equal power Dolby® Pro Logic surround**

**Optimus STAV-3470.** Enjoy stunningly realistic movie sound and concert-like presence from music. Our best delivers 150 watts per stereo channel and 110 watts *equal* power to front, center *and rear* surround channels in Dolby Pro Logic mode. You can select Dolby 3-Channel Logic when rear speakers are not used, switch in "studio" and "arena" effects to emulate the acoustics of different sonic environments, even add simulated surround to non-encoded music and movie sound. Switch in Extended Bass anytime to enhance low-frequency response. Enjoy precise digital tuning with 30 AM/FM presets, plus easy recall of stored frequencies and up/down tuning with the rotary jog dial. Auto Source Control lets you power up your A/V system and begin playing either of two sources at one touch. Subwoofer output permits easy installation of a powered subwoofer. The multiroom-capable remote can control other Pro Series components, even learn commands for other manufacturers' equipment. Motorized volume control. Inputs: CD, phono, tape 1/VCR, tape 2/monitor, laserdisc. Outputs: video, center-channel preamp. subwoofer. Switched AC outlet. Remote requires 2 "AAA" batteries.

**31-3033** ..... **499.99**

**Main amplifier:** 150 watts per channel, minimum RMS into 8 ohms from 20-20,000 Hz, with no more than 0.09% total harmonic distortion. Dolby and Pro Logic are registered trademarks of Dolby Laboratories Licensing Corp.

World Radio History

### A typical home theater

Think you need an expensive projection TV for enjoyable home theater? Think again! Though you'll want a good picture, home theater is primarily about sound. Depending on the size of the room, your 27", 25", even 20" TV may be suitable. A typical home theater system will include:

(1) **An A/V receiver with Dolby Pro Logic decoder.** The receiver decodes Dolby Pro Logic surround-sound information from audio and video source material and directs sounds to their proper position in the sound stage.

(2) **A Hi-Fi stereo VCR.** Delivers the surround-sound information which the receiver decodes as front left and right, center and rear-channel sound. Alternately, the surround-sound source may be a laser disc or CD player, satellite TV system, broadcast TV, or a cable-TV box.




(3) **Paired stereo speakers.** The main speakers in a home stereo system can also serve as the left and right front-channel speakers in a home theater, delivering primary directional sounds.






(4) **A center-channel speaker.** Delivers dialogue and up-front action in Dolby Pro Logic sound. Placed above, below or beside the TV, it should be magnetically shielded to prevent video distortion.

(5) **Two rear-channel speakers.** Deliver time-delayed sonic effects that result in lifelike, "three-dimensional" sound. Should be located to the side or rear of the viewers.

(6) **A subwoofer.** Delivers the very low-frequency bass sounds, bringing out the richness and depth of music plus the full impact of motion-picture special effects for sound you can actually feel!




Remember Radio Shack for cables and connectors to bring your home theater system together—see page 78 for gold connectors and Megacable speaker wire, pages 112-116 for video connectors.

World Radio History

# Optimus® Professional Series A/V receivers.



## More Power to You!

*Optimus Professional Series A/V receivers with Dolby Pro Logic® surround deliver superb sound and features—ideal control centers for home theater systems.*

### New A/V receiver with 110W stereo, 100W × 4 equal-output surround

**Optimus STAV-3370.** Experience the latest advance in home theater—equal power surround sound. What's it mean? Well, not only does this receiver deliver 110 watts of rich power per channel in stereo, but it pumps a clean 100 watts to each of the front, center *and rear* surround channels in Dolby Pro Logic surround mode. So every word of dialogue... every effect... every detail of movie sound comes to you with remarkable clarity. You can also select Dolby 3-Channel Logic when rear speakers are not used, switch in "studio" effect to emulate the rich ambience of a recording studio, and add simulated surround to non-encoded music and video sound. Plus, you can enhance low-frequency response on any source material with a touch of the Extended Bass control. Enjoy precise digital tuning with 30 AM/FM presets, plus easy recall of stored frequencies and up/down tuning with the rotary jog dial. The Professional Series-compatible remote has a sleep timer with auto-shutoff. Rotary bass, treble and balance controls, motorized volume control. Inputs: CD, phono, tape 1/VCR, tape 2/monitor, laserdisc. Outputs: video, center-channel preamp, subwoofer. Switched AC outlet. Remote requires 2 "AAA" batteries. (TSP) **31-3032** ..... **349.99**

Main Amplifier: 110 watts per channel, min. RMS into 8 ohms from 20-20,000 Hz, no more than 0.09% total harmonic distortion



### 100-watt A/V receiver with Dolby Pro Logic surround

**Optimus STAV-3350.** With this versatile receiver you can custom-configure sound for theater-like impact, concert-hall ambience, even simulated surround effects plus simulated stereo from monaural sources. It delivers 100 watts per channel in stereo, or 60 watts each to the front and center channels and 20 watts to the rear channel in Pro Logic mode. You can also select Dolby 3-Channel Logic for accurate imaging when rear speakers are not used. With adjustable digital delay you can tailor surround effects to room acoustics, and you can enhance low frequencies with Extended Bass. Choose direct-access or up/down digital tuning, store up to 30 AM/FM stations and scan your presets anytime. The system remote is compatible with other Professional Series components, is multiroom capable, and has a 30/60/90-minute sleep timer. Rotary bass, treble and balance controls, motorized volume control. Inputs: CD, phono, tape 1/VCR, tape 2/monitor, laserdisc. Outputs: video, center-channel preamplifier. Switched AC outlet. Remote requires 2 "AAA" batteries. (TSP) **31-3030** ..... **299.99**

Main Amplifier: 100 watts per channel, min. RMS into 8 ohms from 20-20,000 Hz, no more than 0.09% total harmonic distortion

### Buzz Words

*DOLBY PRO LOGIC SURROUND. System that balances and steers sounds to their proper position in the sound stage, resulting in a sense of great spatial height and depth, with sound that seems to wrap around the listener.*

*DIGITAL SIGNAL PROCESSING (DSP). The manipulation of sound-delay characteristics to precisely localize Dolby Pro Logic information or simulate particular acoustic environments.*

*ADJUSTABLE DIGITAL DELAY, a type of DSP, regulates the amount of sound delay to rear-channel speakers to match room acoustics or source material.*

*DIGITAL TUNING. Locks the selected frequency to a quartz-crystal reference for clear reception. Direct access allows entry of frequencies by numeric keys. Memory presets store frequencies for instant recall. Memory scan provides a "preview" of each stored station.*

*EXTENDED BASS. An equalization circuit that can be switched on for greater bass impact or to boost low frequencies normally less audible at low volume levels.*



### Dolby Pro Logic surround sampler disc

Great way to demo and fine-tune your system... or, just enjoy it for the music! An eclectic mix of 12 selections by seven talented artists. You haven't really heard music till you've heard it in surround sound! **51-1117, 12.99**

**Use this handy feature-comparison chart to help choose the receiver that best meets your needs!**

| Receiver Model No. | Watts Per Channel (Stereo) | Watts Per Channel (Front/Center/Rear) | Dolby Pro Logic Surround | Digital Signal Processing | Digital Tuning | Direct Access Tuning | Memory Presets | Memory Scan | Inputs | Extended Bass | Remote | Cat. No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA-20 | 5 | | | | | | | | 3 | | | 31-1979 | 99.99 |
| STA-300 | 15 | | | | ✔ | | 18 | | 3 | | | 31-1991 | 139.99 |
| STA-795 | 50 | | | | ✔ | | 18 | | 4 | | | 31-2101 | 179.99 |
| STA-3180 | 70 | | | | ✔ | ✔ | 30 | ✔ | 5 | ✔ | System | 31-3027 | 219.99 |
| STA-3190 | 100 | | | | ✔ | ✔ | 30 | ✔ | 5 | ✔ | System | 31-3028 | 249.99 |
| STAV-3350 | 100 | 60/60/20 | ✔ | | ✔ | ✔ | 30 | ✔ | 5 | ✔ | System | 31-3030 | 299.99 |
| STAV-3370 | 110 | 100/100/100 | ✔ | | ✔ | ✔ | 30 | ✔ | 5 | ✔ | System | 31-3032 | 349.99 |
| STAV-3470 | 150 | 110/110/110 | ✔ | ✔ | ✔ | ✔ | 30 | ✔ | 5 | ✔ | Programmable | 31-3033 | 499.99 |

Dolby and Dolby Pro Logic are registered trademarks of Dolby Laboratories Licensing Corp.

World Radio History





## Optimus® Professional Series 100-watt receiver

Optimus STA-3190. Provides the inputs you need for a full audio system (video sound, too), plus a Professional Series-compatible remote to control it all. You get digital tuning with direct access, 30 presets and memory scan; rotary bass, treble and balance controls; Extended Bass; and a motorized volume control. Sleep timer on remote. Inputs: CD, phono, tape 1, tape 2/monitor, laserdisc/VCR. Two pairs of speaker outputs. Switched AC outlet. Remote requires 2 "AAA" batteries. (TSP)

**31-3028** ..... 249.99

100 watts per channel, minimum RMS into 8 ohms from 40-20,000 Hz, no more than 0.8% total harmonic distortion





## Optimus® Professional Series 70-watt receiver

Optimus STA-3180. Delivers plenty of clean power plus Extended Bass for a low-frequency boost. Enjoy direct-access digital tuning, store up to 30 stations and review your presets with memory scan. Rotary bass, treble and balance controls, motorized volume control. Inputs: CD, phono, tape 1, tape 2/monitor, laserdisc/VCR. Two pairs of speaker outputs. Switched AC outlet. Professional Series-compatible remote with sleep timer. Remote requires 2 "AAA" batteries. (TSP)

**31-3027** ..... 219.99

70 watts per channel, minimum RMS into 8 ohms from 40-20,000 Hz, no more than 0.8% total harmonic distortion



## 50-watt stereo receiver with precise digital tuning

Optimus STA-795. Enjoy drift-free digital tuning with feather-touch controls and presets for up to 12 FM and six AM stations. You get separate rotary bass and treble controls, a loudness switch, automatic FM muting to silence noise when tuning, tape monitor controls to make recording with a connected tape deck easy, and a 5-step LED output power meter. Inputs: CD, phono, tape 1, tape 2/monitor, laserdisc/VCR. Two pairs of speaker outputs. Switched AC outlet.

**31-2101** ..... 179.99

50 watts per channel, minimum RMS into 8 ohms from 40-20,000 Hz, no more than 0.5% total harmonic distortion



## Compact-size stereo receiver with precise digital tuning

Optimus STA-300. Here's a nice choice for a second system in a bedroom, game room or den. It delivers 15 watts per channel for plenty of sound when matched with mini speakers. The digital tuner stores up to 12 FM and six AM stations for instant recall anytime. Separate rotary bass and treble controls let you set personal tonal preferences, and you can boost bass and treble output with a touch of the loudness button. Inputs: CD/aux, phono, tape. (TSP) **31-1991** ..... 139.99

15 watts per channel, minimum RMS into 8 ohms from 40-20,000 Hz, no more than 0.5% total harmonic distortion



## Our smallest, lowest priced stereo receiver

Optimus STA-20. Ideal for a dorm room, office or reception area. A special equalization circuit ensures uniform output at all frequencies for full, rich sound even from mini speakers. And, you can switch in the loudness control to boost the low-bass and high-treble frequencies normally less audible when listening at lower volume levels. Magnetic phono and aux jacks, input for a CD portable or personal stereo cassette player. Just $2^{3}/_{4} \times 10^{1}/_{4} \times 7^{1}/_{4}$". (TSP)

**31-1979** ..... 99.99



## New 10-band equalizer with stereo image enhancer

Boost/cut frequency response up to 12 dB in each of 10 bands to suit your listening preference or room acoustics, or to compensate for poor-quality recordings or speaker placement. Image enhancer electronically widens the soundstage to enhance stereo effect. Fluorescent spectrum-analyzer display provides a graphic analysis of the sound "shape" so you can see the results of your adjustments. Tape dubbing/monitoring controls, EQ/bypass button. (TSP)

**31-2030** ..... 129.99



## Mini stereo amplifier is ideal for desk or shelf

SA-155. Design your own desktop or shelf system around this ultra-compact power plant. It features a magnetic/ceramic phono input for use with all turntables, a stereo/mono button, tone control and $^{1}/_{8}$" headphone jack. Just $2^{1}/_{2} \times 9 \times 6$". UL listed AC. (TSP)

**31-1957** ..... 59.99



## Mini AM/FM stereo tuner with PLL circuitry

TM-155. Perfect partner to the SA-155 amplifier at left. Phase-locked loop circuitry and Auto-Magic® FM tuning ensure best possible reception. FM mono button, built-in antennas, terminals for external FM antenna. UL listed AC. (TSP)

**31-1958** ..... 59.99



## 3-input, 3-output control center

Adds versatility to your home recording setup by enabling you to monitor, record and dub with up to three separate cassette decks. Ends the hassle of patch cord swapping, too. Connects to tape monitor jacks. **42-2115** ..... 25.99



## New Audio source control center

Add to your audio system's capabilities inexpensively—expand your amplifier or receiver's auxiliary input to accept up to three additional stereo sources. Easy hookup.

**42-2112** ..... 14.99

Receivers are UL listed AC and fully protected against overheating and overload.

World Radio History

# Portable CD players and accessories.



**New Most-wanted features at a most pleasing price**

**CD-3440.** Enjoy superb digital stereo plus 16-track programming, skip-search to go to the start of a selection quickly, high-speed audible search to find a musical passage within a selection, pause/cue and repeat-play. Built-in Ni-Cd battery charging circuit. Requires 2 "AA" batteries or adapter: AC #273-1663, DC #273-1801. (TSP) **42-5051** ..... **99.99**



**Our lowest priced 8x-oversampling player**

**CD-3450.** Like home CD decks, this portable features 8x oversampling for flawless sound. Switch in Extended Bass for headphone audio rivaling home stereo! 20-track memory, intro scan, random play, repeat. Skip search, audible search. Ni-Cd charging circuit. Requires 4 "AA" batteries or adapter: AC #273-1663, DC #273-1801. (TSP) **42-5042** .. **119.99**



**New One for the road, with anti-shock mechanism**

**CD-3470.** Viscous damping combined with a shock-absorbing spring make this player ideal for use in a vehicle. 20-track memory, intro scan, random-play, repeat-play, skip-search, audible search and pause/cue. Extended Bass. Ni-Cd charging circuit. Requires 4 "AA" batteries or adapter: AC #273-1663, DC #273-1801. (TSP) **42-5053** ..... **149.99**



**New Digital anti-shock and Digital Signal Processing**

**CD-3490.** DAS² Digital Anti-Shock System electronically ensures smooth playback, while three Digital Signal Processing modes let you select just the right sound enhancement to suit your preferences or the type of music you're playing. Ni-Cd charging circuit. Requires 2 "AA" batteries or adapter: AC #273-1663, DC #273-1801. (TSP) **42-5055** ..... **199.99**



**New Play it your way with this affordable portable**

**CD-3445.** Play selections in disc order or program up to 21 for custom playback. Select intro scan to "preview" selections, random-play for variety, or repeat-play to hear 'em all again. Switch in Extended Bass when you want a low-frequency boost. Requires 2 "AA" batteries or adapter: AC #273-1663, DC #273-1801. (TSP) **42-5056**..... **109.99**



**New Enjoy the "home stereo" sound of E-Bass**

**CD-3460.** This player offers the rich, deep sound of Extended Bass plus 20-track programming, intro scan, random-play, repeat-play, skip-search, audible search and pause/cue. Ni-Cd battery charging circuit. Requires 4 "AA" batteries or adapter: AC #273-1663, DC #273-1801. (TSP) **42-5052**..... **129.99**



**New Player with advanced digital anti-shock system**

**CD-3480.** DAS² Digital Anti-Shock System scans ahead and stores a brief musical segment in memory prior to playback to keep music smooth if the player is bumped or jostled. Backlight enables you to easily view display in dim or no light. Ni-Cd charging circuit. Requires 2 "AA" batteries or adapter: AC #273-1663, DC #273-1801. (TSP) **42-5054**... **179.99**



**New Sony Car Discman® with Super ESP anti-shock**

**Sony D-844K.** Features *10-second* Super ESP electronic shock protection, three sound-enhancing DSP modes, six playback modes, Ni-Cd charging circuit and much more. Plus, you get a backlit wireless remote and car cassette adapter. Vehicle DC and AC cords included. Requires 2 "AA" batteries. (TSP)
**42-5057** ..... **249.99**

| Model No. | Cat. No. | Programmable Tracks | Intro Scan | Random Play | Repeat Play | Skip Search | Audible Search | Pause/ Cue | Extended Bass | Anti-Shock System | Digital Signal Processing | Carry Case | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CD-3440 | 42-5051 | 16 | | | ✔ | ✔ | ✔ | ✔ | | | | | 99.99 |
| CD-3445 | 42-5056 | 21 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | 109.99 |
| CD-3450 | 42-5042 | 20 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | 119.99 |
| CD-3460 | 42-5052 | 20 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | 129.99 |
| CD-3470 | 42-5053 | 20 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | Viscous-damped | | | 149.99 |
| CD-3480 | 42-5054 | 22 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | Digital | | ✔ | 179.99 |
| CD-3490 | 42-5055 | 22 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | Digital | 3 modes | ✔ | 199.99 |
| Sony D-844K | 42-5057 | 22 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | Digital | 3 modes | | 249.99 |



**CD-to-cassette player adapter**

The most affordable way to enjoy CD listening in your car. Plugs into your portable CD player's stereo headphone jack and loads ke a cassette tape to deliver superb digital audio hrough your vehicle's stereo system. No installaon or special wiring required. **12-1951** ..... **19.99**



**Vehicle-mount CD bracket**

Suspension system absorbs road bumps, jolts and vibrations to help prevent skipping and mistracking. Universal swivel mount. Preassembled platform and hook-and-loop attachments for fast, easy removal of CD player.
**42-3050** ..... **24.99**



**Mount with DC power adapter**

Same as bracket at left, with built-in DC adapter to power CD portable from a vehicle lighter socket. Works with most portable CD players. **42-3051**..... **39.99**

**New** As above, with 15" flexible "gooseneck" mount for use in RV, van or truck. (42-3052 CMC)
**RSU 11443637** ..... **59.99**

See page 87 for our selection of lightweight stereo headphones for portable CD players and personal stereos. Sony and Discman are trademarks of Sony Electronics Inc.

World Radio History



## Digital Compact Cassette

Optimus DCT-2000. Record and play true digital stereo, and play your existing analog cassettes, too. Make perfect copies of CDs, indistinguishable from the originals, superb recordings from LPs, analog tapes, any audio source. Program up to 20 selections for customized playback or select auto-reverse to play both sides of a tape once or continuously. Text display shows titles and performers' names on prerecorded DCC tapes. Advanced 64-times oversampling ensures flawless playback of digital recordings, Dolby B and C NR. With optical and coaxial inputs, ¼" headphone jack with volume control. Remote requires 2 "AA" batteries. Was 499.99 in 1995 Catalog. (TSP) **14-675** ..... New Low Price! **299.99**

**Scotch/3M® 90-minute DCC tape. 44-976** ..... **9.99**

**DCC head cleaner.** (44-1211 CMC) **RSU 10288546** ..... **14.99**

**Digital Compact Classics.** Peter Nero and orchestra. **51-4161** ..... **9.99**

*QUESTION:*
*What are Dolby® systems?*

Q&A

*ANSWER:*
*Dolby B, C and advanced Dolby S noise reduction systems work during recording and playback to cut tape hiss for improved sound. Dolby HX Pro headroom extension improves recordings by allowing more signal to be recorded without distortion. Dolby B, C and S must be switched in during playback to hear the enhancement. The improved treble response resulting from Dolby HX Pro can be heard on any type of cassette player.*



## New Pro Series dual auto-reverse with Dolby S and CSES

**SCT-57.** Dual auto-reverse plays both sides of two tapes and copies both sides of a tape at high or normal speed with one-touch synchro-start. This deck is remote-controllable by Professional Series receivers, and CD/Deck Synchro makes dubbing from Pro Series CD players a snap, too. Its Auto Bias/Level/Equalization control ensures excellent recordings from all tape types, while the Computerized Sound Enhancement System (CSES) auto-adjusts the frequency-response spectrum to ensure balanced, brilliant sound, even from material recorded on inferior equipment or tape. Dolby B, C and S NR, Dolby HX Pro. Music search, blank skip, continuous play. Fluorescent display. ¼" headphone jack. (TSP) **14-677** ..... **279.99**



## New Pro Series dual auto-reverse with Dolby B, C, HX Pro

**SCT-56.** You get dual auto-reverse decks, continuous mode to auto-play tapes on both decks in sequence, high/normal-speed synchro-dubbing, and CD/Deck Synchro for use with Professional Series CD players. Plus, this deck is remote-controllable by Pro Series receivers. Auto metal-$CrO_2$/normal tape selector sets proper bias and equalization, while Dolby B and C NR and HX Pro headroom extension team up for clean, dynamic sound on playback. Locate selections quickly with music search and zip to the end of a tape with blank skip. Fluorescent display. (TSP) **14-676** ..... **199.99**



## New Auto-reverse dual deck with synchro-dubbing

**SCT-49.** You get high-speed synchro-start dubbing for easy tape duplication plus Dolby B NR for pure sound on playback. The automatic tape selector sets the deck for optimum sound whether you use metal-$CrO_2$ or standard cassettes. Auto-reverse on Deck 1 plays both sides of a cassette with no need for you to flip the tape, and continuous mode auto-plays two tapes in sequence. With dual input-level controls and recording-level meters, ¼" headphone jack. **14-664** .. **149.99**



## Pro Series deck with high-speed synchro-dubbing

**SCT-53.** One-touch synchro-dubbing copies tapes at high or normal speed, while an automatic level control ensures perfect-volume recordings. You'll enjoy clear sound on playback thanks to Dolby B NR, and you can auto-play two tapes in sequence in continuous mode. The auto tape selector sets proper bias and EQ for any tape type, and auto-stop protects cassettes and the player's mechanism. (TSP) **14-672** ..... **129.99**



## Compact auto-reverse player

**SCP-32.** Excellent choice for use in an office or retail-store PA system—auto-reverse is just the thing for background music, music-on-hold or uninterrupted entertainment. You get Dolby B NR for clean sound, metal-$CrO_2$/normal tape selector for best performance from all types of tape, end-of-tape auto-stop and pause. (TSP) **14-600** .... **99.99**



## Compact recorder/player

**SCT-86.** The low-cost way to add a full-featured recording deck to any stereo system. Has Dolby B NR, end-of-tape auto-stop, dual recording-level controls and LED recording-level meters. Metal-$CrO_2$/normal tape selector, pause control, tape counter, ¼" jacks for adding microphones. (TSP) **14-654** ..... **89.99**



## Compact cassette player

**SCP-31.** Just right for office, dorm or bedroom. The inexpensive way to add cassette playback to any existing stereo system with aux or tape-in jacks—pair it with our compact or mini components on page 59 for a space-saving system. With auto-stop, metal-$CrO_2$/normal tape selector and pause control. **14-647** ..... **49.99**

| Model No. | Cat. No. | Type | Cassettes | High-Speed Dubbing | Auto-Reverse | Continuous Play | Music Search | Blank Skip | Dolby System | Tape Selector | Headphone Jack | Special Features | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCP-31 | 14-617 | Playback | Single | | | | | | | Manual | | | 49.99 |
| SCT-86 | 14-654 | Recording | Single | | | | | | B | Manual | | Mic Inputs | 89.99 |
| SCP-32 | 14-610 | Playback | Single | | ✔ | | | | B | Manual | | | 99.99 |
| SCT-53 | 14-672 | Recording | Dual | ✔ | | ✔ | | | B | Auto | | | 129.99 |
| SCT-49 | 14-664 | Recording | Dual | ✔ | ✔ | ✔ | | | B | Auto | ✔ | | 149.99 |
| SCT-56 | 14-676 | Recording | Dual | ✔ | Dual | ✔ | ✔ | ✔ | B,C,HX Pro | Auto | | | 199.99 |
| SCT-57 | 14-677 | Recording | Dual | ✔ | Dual | ✔ | ✔ | ✔ | B,C,S,HX Pro | Auto | ✔ | Auto BLE/CSES | 279.99 |
| DCT-2000 | 14-675 | Digital Recording | Digital, Analog | | ✔ | | | ✔ | B,C | Auto | ✔ | Plays DCC, analog | 299.99 |

Tape decks are UL listed AC. Dolby is a registered trademark of Dolby Laboratories Licensing Corp. For quality recordings, use Radio Shack SUPERTAPE® cassettes—see page 84

World Radio History



### High-performance, die-cast 2-way mini speaker

**Optimus PRO X7.** Updated version of our most popular mini speaker design! It's small in size but not in sound; this powerhouse boasts a high-compliance 4" woofer that delivers surprisingly solid bass response. An efficient 1" dome tweeter provides high power handling and produces crisp, detailed highs. The speaker's components have been carefully chosen to match the two dynamic elements with the enclosure and damping materials, resulting in amazingly smooth, broad frequency response. Perfect for table or shelf, or mounted on the wall. Response, 100-20,000 Hz. Handles 100 watts max. Aluminum enclosure with attractive stone-gray, textured finish. Cloth grille on gray model, metal grille on white model. $7^{15}/_{16} \times 5^{1}/_{4} \times 5^{1}/_{4}$".

New White, 40-2076. Gray, 40-2071 ..... Each 79.99



### Die-cast 2-way mini speaker with outstanding bass and high power

**Optimus PRO 77.** A versatile performer! Ideal for home theater, home stereo systems, even extension and mobile use. The ported die-cast metal enclosure and 5" high-compliance woofer combine for powerful bass, while the 1" soft-dome tweeter produces crisp, pure highs. The thoughtful design matches the drivers to the enclosure for remarkably smooth, broad frequency response from 90-20,000 Hz. Handles 140 watts max. Metal-mesh grille. $9^{1}/_{4} \times 5^{15}/_{16} \times 4^{3}/_{8}$".

Black, 40-2057. White, 40-2058 ..... Each 89.99



### Low-priced, die-cast 2-way mini bookshelf speaker

**Optimus PRO X5.** Here's proof that a small speaker doesn't have to sacrifice superb sound. This "little brother" to the PRO X7, above, features a punchy, high-compliance 3" woofer, plus a 1" ferrofluid-cooled tweeter that delivers optimum response, even from lower-powered amps. Perfect for a small stereo, or for use as rear-channel speaker in a home theater surround-sound system. Response, 150-20,000 Hz. Handles 30 watts max. Cloth grille on gray model, metal grille on white model. $6^{9}/_{16} \times 3^{15}/_{16} \times 4^{1}/_{3}$". Gray, 40-2070.

New White, 40-2075 ..... Each 49.99



### Shielded, die-cast 2-way speaker, perfect for home theater systems

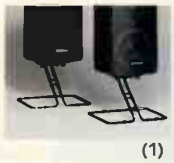
**Optimus PRO 7AV.** Magnetic shielding makes this speaker ideal for use on or near a TV or a PC—a fine choice for home theater front-channel speakers. Or, team five of 'em with a subwoofer for an outstanding surround-sound system. Features a 4" cone woofer for solid, accurate bass plus a 1" soft-dome tweeter for pure, detailed highs. Response, 120-20,000 Hz. Handles 80 watts max. Metal grille. $7^{1}/_{16} \times 4^{7}/_{16} \times 5^{5}/_{16}$".

Black, 40-2048. White, 40-2059 ..... Each 79.99

# *Little Big Speakers*

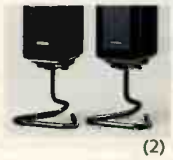
*The remarkable success story of our die-cast metal speakers begins in 1977, with the introduction of the now-famous Minimus-7 system. Its revolutionary design and remarkably big sound garnered popular acclaim, and in the years since, we've continued to build on the principles that made it a legend. Choose from our wide selection of little big performers for home theater and stereo systems, as well as extension and replacement use.*

## Stands and wall mounts



(1)

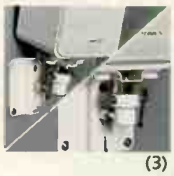
**(1) Deluxe table/desk stands.** Raise the base of speakers $4^{1}/_{2}$" above table or desk surface for better projection and open, accurate sound. Tubular steel construction. 40-2069, Pair 29.99



(2)

**(2) Table/desk stands.** Tubular steel stands each raise base of speaker $4^{3}/_{4}$" above table or desk surface for better projection. Black, 40-2068.

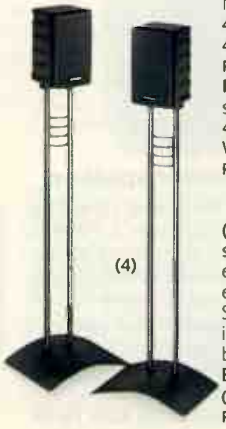
New White (CMC 40-2074) RSU 10484947, Pair 19.99



(3)

**(3) Wall mounts.** Ball-and-swivel design enables you to direct the sound for optimum projection and stereo imaging. Black, 40-2067.

New White (CMC 40-2073) RSU 10484939, Pair 39.99



(4)

**PRO 7/7AV Brackets.** Not shown. Black, 40-2031. White (CMC 40-2060) RSU 10034155, Pair 17.99

**PRO 77 Brackets.** Not shown. Black (CMC 40-2053) RSU 10034148. White (CMC 40-2062) RSU 10034163, Pair 19.99

**(4) Floor stands.** Tubular steel stands raise speakers 30" above floor to enhance projection. Speaker cable can be run inside tubes for "invisible" wiring.

Black, 40-1351. White (CMC 40-1353) RSU 10458511, Pair 79.99

Five-year limited warranty included with Optimus speaker systems at no extra cost—see page 71.

World Radio History



**New 6-speaker home theater system with powered subwoofer**

**Optimus SWS-503.** Carefully designed and acoustically matched to deliver sensational home theater sound. The 50-watt-powered subwoofer has an 8" high-compliance woofer that delivers high-impact bass. Each of the two front-channel speakers features a 5" long-excursion woofer and a ½" dome tweeter, and handles 70 watts. The magnetically shielded center-channel speaker teams dual high-compliance 4½" woofers with a ½" polyamide dome tweeter for clean, natural sound, and handles 70 watts. The dual rear-channel surround speakers, each with a 4½" driver, are acoustically matched to the two main and center-channel speakers, and handle 50 watts.
**40-4071** ..... **499.99**



**New Space-saver! Satellite/subwoofer system**

**Optimus PRO SWS-502.** A pair of compact 2-way speakers deliver the high, midrange, and upper-bass frequencies, while the bass-reflex subwoofer provides clean response in the lower octave. You get heightened presence and clarity throughout the entire audio spectrum! The subwoofer's low-bass sounds are produced by a down-firing 10" driver with a 1½" dual-voice coil. Each satellite speaker has a 3½" woofer with a ½" liquid-cooled, soft-dome tweeter in a separate enclosure that swivels so you can adjust it for the best stereo imaging. System handles 140 watts maximum. **40-4052** ..... **249.99**



**3-way system with 8" woofer**

**Optimus STS 100.** Ideal for a larger shelf or for floor placement with optional pedestal stand (below right). A high-compliance 8" woofer, 4" midrange and a ⅜" dome tweeter team up for great sound. Black woodgrain vinyl finish. **40-4046** ..... **Each 79.99**
**Response:** 75-20,000 Hz. **Power Capacity:** 100 watts maximum. **Size:** 16⅞ × 10¹¹⁄₁₆ × 12³⁄₁₆".



**3-way system with 12" woofer**

**Optimus STS 1000.** An elegant gloss-black, tuned-port cabinet houses a long-throw, 12" woofer, a 5" dynamic driver and a ¾" dome tweeter for authoritative sound with natural musicality. Wood-grain black vinyl finish.
**40-4045** ..... **Each 149.99**
**Response:** 40-20,000 Hz. **Power Capacity:** 200 watts maximum. **Size:** 23 × 14 × 10⅞".



**Compact 2-way speaker system**

**Optimus STS 50.** Sealed enclosure houses a long-throw 5" cone woofer for taut, true bass and a 2½" cone tweeter for clean highs. Walnut vinyl finish. **40-230** ..... **Each 39.99**
**Response:** 90-20,000 Hz. **Power Capacity:** 80 watts maximum. **Size:** 11 × 6¾ × 5¾".



**17" deluxe speaker stands**

Wide base, tubular support columns, elegant ebony finish.
**40-1327, Pair 39.99**



**Angled speaker stands**

Raise speakers for better projection and truer sound.
**40-1266, Pair 34.99**

# Top Sounds Start With Top Speakers

*Don't let poor-sounding speakers bring down your system. We've got great-sounding speakers for every need.*

*QUESTION:*
*How do I choose the speakers that are just right for me?*

Q&A

*ANSWER:*
*Choosing the right speakers depends on your typical listening habits, the power of your amplifier or stereo receiver and the quality of sound you prefer.*

*If you typically listen to music at high volume levels, choose speakers with a maximum power rating close to the power rating (watts per channel) of your amplifier or receiver. If you typically listen at low to medium volume, matching the power rating is not as critical. Appreciation of sound quality is personal, so let your ears be the final judge. Choose the speakers that sound the best to you.*

**Five-Year Limited Warranty**
*included at no extra cost.*

*Optimus home speaker systems are warranted against defects for five years from the date of purchase. Within this period, Radio Shack will repair the equipment without charge for parts and labor. Simply bring in your sales slip as proof of purchase date to your local Radio Shack store. Warranty does not cover equipment subjected to misuse or accidental damage. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.*

Use your Radio Shack ValuePlus® card for purchases of any amount up to your credit limit.

World Radio History

# Bookshelf speaker with wide-angle dipole tweeter.

## The Optimus® PRO LX5 bookshelf speaker: acclaimed by audio experts!

*". . . so versatile and so good that anyone could find a use for them . . . Radio Shack is to be commended for this affordable excellence."* —**Video**, March 1995

*". . . a natural for use in home theater . . . a ridiculously generous bargain."* —**Sound & Image**, February/March 1995

*"Broad high-frequency coverage . . . good value for the money."* —**Audio**, April 1995

*"You will definitely get more than what you see from this high-quality, low-cost, small speaker from Radio Shack."* —**Home Theater**, July 1995




## Hear the Sound of the Future Today

*Designed exclusively for Radio Shack, the mini speakers on these two pages bring you a revolutionary advance in audio technology with their wide-angle dipole and monopole tweeters.*

*QUESTION:*
*What are the advantages of the "wide-angle" tweeter?*

Q&A

*ANSWER:*
*The latest advances in sound waveform and psychoacoustics research have led to the development of the wide-angle dipole and monopole tweeters. Unlike conventional cone or dome drivers that "push" sound frontward in a narrow dispersion pattern, these ferrofluid-cooled tweeters' flexible polypropylene diaphragms radiate like a guitar or violin string to deliver a much wider frequency range and more accurate stereo imaging than ordinary speakers. The result is an extraordinarily spacious soundstage that makes these compact speakers sound much larger than they are. Visit your nearby Radio Shack and hear the sound of the future today.*

### Die-cast 2-way speaker with wide-angle dipole tweeter

**Optimus PRO LX5.** Quite simply, you must hear it to believe it. This critically acclaimed speaker combines a top-mounted dipole tweeter that delivers dramatic 360° sound dispersion with a long-throw 5" polypropylene woofer. A state-of-the-art polyurethane foam polymer dust cover and two tapered ports in a die-cast aluminum enclosure round out the system. The result? Smooth response, seamlessly crossing from deep bass into the upper frequencies, soaring to 25,000 Hz with incredibly low distortion unmatched by any other tweeter design. The rugged 2×4" tweeter is ferrofluid-cooled to handle high power levels and provide detailed imaging. An acoustically transparent metal grille covers the tweeter; a removable cloth grille covers the woofer. **40-4061**..... **Each 149.99**

**Frequency Response:** 85-25,000 Hz. **Power Capacity:** 100 watts maximum. **Size:** 10½×6¼×6½".

Linaeum is a registered trademark of Linaeum Corporation.

World Radio History

# A Difference You Can Hear

*Ideal as a surround or extension speaker, or for upgrading a small stereo system*



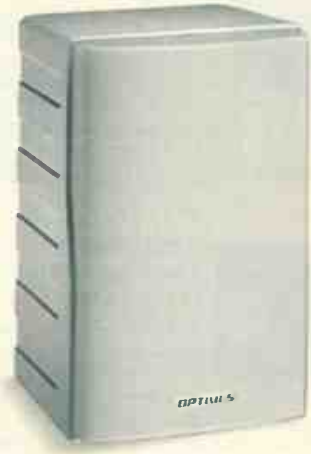
WIDE-ANGLE℠ SOUND

## 2-way mini speaker with 5" woofer and wide-angle monopole tweeter

**Optimus PRO X77.** True wide-angle sound technology puts this speaker in select company. Like its "big brother" PRO LX5 on the facing page, the PRO X77 boasts pure, clear high-frequency response to 25,000 Hz. The 3 x 3 1/2" monopole tweeter works the way sound does, delivering an even, uncolored sonic image across a wide 180° area. An aluminum enclosure with tapered rear ports and a 5" polypropylene woofer with state-of-the-art polymer dust cover team up for solid bass. An elegantly simple crossover ensures smooth "channeling" of signal between tweeter and woofer for extended-range sound without the mid-frequency dropoffs often found in 2-way systems. Distinctive stone gray finish with removable cloth grille. **40-2072** ..... **Each 129.99**

**Frequency Response:** 90-25,000 Hz. **Power Capacity:** 110 watts maximum. **Size:** 8 7/8 x 5 7/8 x 5 3/4".

**New** PRO X77 in decorator white. **40-2077** . . **Each 129.99**



*"... highs were much clearer and more natural sounding than the inexpensive cone-and-dome tweeters usually found on speakers in the PRO-X77's price range."*

—***Home Theater Technology,*** May 1995



## Walnut finish, bookshelf size, with wide-angle tweeter

**Optimus PRO LX4.** Yes, the oiled-walnut finish is an eye-catcher, but the real story is this speaker's *ear-pleasing* sound. Its front-mounted 3 x 3 1/2" monopole tweeter delivers highs to a lofty 25,000 Hz, dispersing them across a wide-angle 180° listening area. And, it's ferrofluid-cooled to convey musical peaks without even a hint of distortion. The ported enclosure and a 4" Kevlar cone woofer with 9.6-ounce magnet provide full-bodied bass and clear midrange, resulting in an overall well-balanced sound. **40-4060** ..... **Each 99.99**

**Frequency Response:** 100-25,000 Hz. **Power Capacity:** 100 watts maximum. **Size:** 5 7/8 x 9 7/8 x 5 1/4".

Buy with confidence! All Optimus home speakers are backed by a 5-year limited warranty. See page 71 for details.

World Radio History

# Big Power in Little Packages

*Our big selection of amplified stereo speakers puts powerful sound wherever you want it. Just plug them into a stereo headphone or line-out jack to share the music of your personal stereo with others, or to get the most out of your multimedia computer's audio capabilities. Most of these speakers are battery-operated for portability, and many can be powered by available AC or 12-volt DC adapters. Our selection offers the sizes, features and power in a range of prices that will make your choice easy.*



### Our best amplified speakers, shielded for use near PC or TV

**AMX 16.** Connect these 9"-high AC-powered speakers to your PC and you'll enjoy extra depth and clarity from multimedia programs, games and voice prompts. Plug them into your portable CD player or personal cassette for rich, room-filling stereo sound. Efficient magnetic shielding allows placement close to a computer monitor or TV screen without causing picture distortion. Balance and volume controls, power button with LED indicator, and headphone jack are conveniently placed on one speaker. Response: 120-20,000 Hz. Output: 5 watts per channel. Each $9^{1}/_{16} \times 4^{15}/_{16} \times 5^{7}/_{16}$" speaker houses a big 4" driver. Choose office gray to match most personal computers, or black to complement many personal stereo portables. With UL listed AC adapter.
Office Gray, 40-1363 ..... Pair 119.99
Black, 40-1362 ..... Pair 119.99



### AC-powered, 5 watts per channel

**AMX 11.** Great looks—and wait until you hear them! This pair's tuned-port design brings you satisfying bass from enclosures only $9^{1}/_{8}$" high. They plug into any CD portable or tape player that has a $^{1}/_{8}$" headphone jack. AC powered, or add our car DC cord #270-1534 for use in a vehicle. Response: 100-10,000 Hz. Each $9^{1}/_{8} \times 4^{3}/_{4} \times 4^{1}/_{2}$" speaker has a 3" driver. 40-1324 ..... Pair 69.99



### New Amplified multimedia speakers

**AMX 14.** Ideal for use near a PC—magnetic shielding prevents video distortion. The included brackets allow mounting on the monitor to save desktop space. Bass-reflex design and 3" full-range driver deliver superb sound. Switch-on Extended Bass for extra low-frequency response. Volume control. Each $6^{11}/_{16} \times 3^{3}/_{4} \times 4^{5}/_{8}$". With UL listed AC adapter. 40-1386 ..... Pair 69.99



### Shielded 2-way amplified speakers

**AMX 12.** Turn your personal portable into a great-sounding entertainment system. Or, use with your multimedia PC—magnetic shielding prevents video distortion. Ported enclosures and Bass Boost team up for deep, solid sound. Surround-effect control adds depth to stereo image. 3.5 watts per channel. 150-20,000 Hz. Each $7^{13}/_{16} \times 4^{9}/_{16} \times 4^{7}/_{8}$" speaker has a 4" woofer and 2" tweeter. Requires 8 "C" batteries or AC adapter #273-1652 or DC cord #270-1528. 40-1361 ..... Pair 59.99



### Amplified speakers with carry case

**AMX 9.** Perfect for portable use! Case with shoulder strap makes it easy to take them along with your personal CD or tape player. Auto power-off saves batteries. LED "on" indicator. Power output: 2 watts per channel. Each $5^{5}/_{8} \times 3^{1}/_{4} \times 3^{1}/_{4}$" speaker has a full-range $2^{1}/_{2}$" driver. Requires 8 "C" batteries, or Y cable #273-1649 and AC adapter #273-1655. 40-1323 ..... Pair 39.99



### Amplified speakers w/Bass Boost

**AMX 8.** Switch in Bass Boost for an extra low-frequency punch, anytime. Auto power-off saves batteries, and bypass lets you use them as nonamplified speakers. Power output: 2 watts per channel. Each $6^{3}/_{4} \times 2^{7}/_{8} \times 5^{1}/_{8}$" speaker has a $2 \times 4$" driver. Requires 8 "C" batteries, or Y cable #273-1649 and AC adapter #273-1655 or DC adapter #14-844. 40-1313 ..... Pair 49.99



### New Amplified speakers

**AMX 3.** Our lowest priced amplified speakers plug into your personal portable's $^{1}/_{8}$" stereo headphone jack to share the music with others just about anywhere. Bass and treble controls let you adjust the sound to suit your listening preference. LED power indicator fades to indicate when batteries are low. Each compact $4 \times 2^{1}/_{2} \times 2^{7}/_{8}$" speaker has a $2^{1}/_{4}$" driver. Requires 4 "C" batteries or our AC adapter #273-1651. 40-168 ..... Pair 19.99



### Multimedia speakers

**AMX 2.** These compact, magnetically shielded stereo speakers include brackets for mounting on the sides of a computer monitor. They deliver 2 watts per channel to add exciting realism to multimedia programs and computer games. Each is $5^{1}/_{2} \times 3^{3}/_{8} \times 3^{3}/_{8}$". Requires 4 "AA" batteries or our AC adapter #273-1655. 40-1359 ..... Pair 29.99



*Avail. Oct. 1995*

### New Amplified speakers

**AMX 12.** This budget-priced speaker pair features $2^{1}/_{2}$" full-range drivers plus bass/treble controls to adjust the sound to your liking. Plug into your stereo portable's $^{1}/_{8}$" headphone or line-out jack. Speakers interconnect for easy toting. 100-10,000 Hz. Each enclosure measures $4 \times 2^{1}/_{2} \times 2^{7}/_{8}$". Requires 4 "C" batteries or AC adapter #273-1651. 40-1387 ..... Pair 29.99

Keep the music playing longer—power your amplified speakers with Radio Shack long-life alkaline batteries (page 211). And, see pages 160-161 for AC and DC adapters.

World Radio History



### 900-MHz wireless stereo amplified speakers

**Optimus AMX 20.** Enjoy stereo sound up to 150 feet from your system without running speaker wire. Transmitter connects to your stereo's line-out jacks or plugs into a 1/4" or 1/8" headphone jack. No line-of-sight limitations typical of infrared wireless speaker systems—clear 900-MHz RF signals travel through walls and floors to speakers plugged into AC outlets. Each 2-way bass-reflex speaker is 8 7/8" high and has a built-in 10-watt amplifier and on/off switch, plus controls for left/right/mono channel, fine-tuning, volume and Extended Bass. Response, 100-15,000 Hz. With connecting cable and UL listed AC adapters. **40-1364** ..... **System 249.99**

**Speaker brackets** (CMC 40-2052) **RSU 11244746** ..... **Pair 29.99**

**Additional 900-MHz wireless speaker.** (CMC 40-1956) **RSU 11270139** ..... **Each 99.99**

**900-MHz wireless headphones.** Enjoy rich headphone stereo from AMX 20 system, wirelessly. With AC charger. (33-1146 CMC) **RSU 11451549** ..... **69.99**



### Swivel speakers

**Optimus XTS-8.** Superb as main or surround speakers. Each 8 1/2"-high stack has a 3 1/4" woofer plus a 2 1/2" tweeter in an enclosure that swivels for a smooth mix of direct and reflected sound. Response, 220-20,000 Hz. Each handles 60 watts max. Molded design. **40-2064** ..... **Pair 79.99**



### New Shelf speaker with 4" driver

**XTS 24.** Ideal for use with a small stereo, and as a rear-channel speaker in a home theater setup. Response, 100-18,000 Hz. Handles 40 watts max. 9 3/8 x 5 5/8 x 4 3/4" **40-232** ..... **Each 29.99**



### Shielded A/V cube speaker

**XTS 40.** An economical choice for use in a surround-sound system or with a multimedia computer system. Magnetically shielded to prevent picture distortion when used near a TV or PC. Stylish black enclosure houses a 4" driver. Response, 150-18,000 Hz. Handles 40 watts max. 5 x 5 x 4 1/2" **40-1991, Each 19.99**



### New Mini extension speaker

**XTS 36.** Molded enclosure with 3" driver. 150-20,000 Hz. Handles 30 watts max. 5 5/8 x 3 9/16 x 3 3/8". **40-1994** ..... **Each 24.99**



### Add-on super tweeter

Extends response to 40,000 Hz. Easy hookup. Internal crossover. Handles 100 watts max. 3 7/8" dia. **40-1310** ..... **Each 24.99**



### Shielded audio/video speaker

**XTS 25.** Designed for use near or on a television or video monitor. Good-looking walnut-vinyl enclosure with a full-range 4" driver. Frequency response, 130-18,000 Hz. Handles 20 watts max. 6 5/8 x 4 7/8 x 4 1/8" **40-1999** ..... **Each 19.99**



### Cube extension speaker

**XTS 3.** Perfect add-on for a clock radio or portable. 3" driver. 240-20,000 Hz. 14 watts max. 4 x 4 x 3 3/8". **40-1250** ..... **Each 16.99**



### Personal speaker for stereo portables

This handy miniature dual speaker plugs directly into your stereo portable's 1/8" headphone jack. **40-155** ..... **Each 9.99**

# Speakers for Special Applications

### *In-wall and ceiling-mount speaker systems*

*Built-in speakers, once found only in professional public address installations, are really catching on in homes today. For a custom home theater surround-sound system or a whole-house speaker network, our affordable in-wall and ceiling-mount speakers deliver superb sound. They're easy to install (we include hardware), and their frames and grilles can be painted to match any decor.*



### Ceiling-mount 5 1/4" 2-way speaker

5 1/4" woofer and 7/8" tweeter team for rich sound. 60-18,000 Hz. 30 watts. **40-1367** ..... **Each 39.99**



### In-wall 5 1/4" 2-way speaker

Long-throw 5 1/4" polypropylene woofer delivers lows to a deep 60 Hz. The 1" mylar dome tweeter sends highs to 20,000 Hz. Handles 30 watts. **40-1365** ... **Each 49.99**



### In-wall 6 1/2" 2-way speaker

Features 6 1/2" polypropylene woofer for solid, accurate bass, and a 1" soft dome tweeter for clean, true highs. Response, 50-20,000 Hz. Handles 80 watts. **40-1368** ..... **Each 69.99**



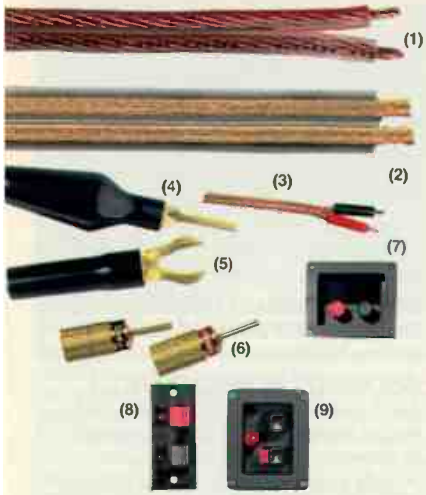
### In-wall 8" 2-way speaker

Big 8" polypropylene woofer delivers lows to to a deep 40 Hz, while a 1" soft-dome tweeter provides crisp highs to 20,000 Hz. Handles 50 watts. **40-1366** .. **Each 99.99**

There are 6,600 Radio Shack stores and dealers to serve you.

World Radio History

# Our finest speaker cable and audio connectors.




(1) Megacable speaker wire. 12-gauge copper rope-strand in plastic insulation. 278-1268 .... Per Foot 99¢
16-gauge Megacable. 278-1270 ..... 50-ft. roll 16.99
(2) New 14-gauge flat Megacable. Massive copper speaker cable in clear plastic insulation. Flat cable runs in places where round cable can not. 278-1273..... 19.99
(3) Pair of 12-foot Megacable 12-gauge speaker cables with gold pin connectors. 42-1004..... Pair 29.99
As above but 18-ft. long. 42-1005 ..... 39.99
(4) Flat-pin connectors. 24K gold-plated. For Megacable and 10-12 ga. cables. 278-310 .... Set of 4/2.99
14-16-gauge version of above. 278-317 . Set of 4/2.99
(5) Snap-spade connectors. 24-karat gold-plated. For Megacable, 10 to 12-gauge cables and 1/4" binding posts. 278-311 ..... Pkg. of 8/4.99
14-16-ga. version of above. 278-316 ... Pkg. of 8/4.99
(6) Deluxe pin connectors. 24-karat gold plated. For 12-gauge Megacable. 278-309 ..... Pkg. of 4/9.99
14-16-ga. version of above. 278-320... Pkg. of 4/9.99
(7) Speaker plate for Megacable. 274-630..... 2.99
(8) New Megacable speaker plate with gold terminals. Push-release, 2-position, color-coded. 274-631 ..... 3.99
(9) New Phone jack Megacable speaker plate. Push-release, gold terminals. 274-632 ..... 2.99

## Premium gold-plated patch cords

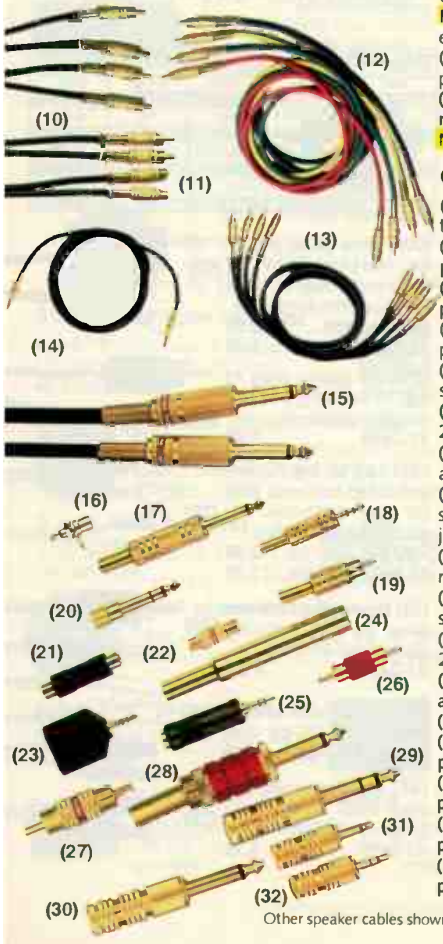
(10) 3-foot "gold" premium stereo patch cord. Two phono plugs at each end. 42-2601 ..... 8.99
As above but 6 feet long. 42-2605 ..... 10.99
As above but 12 feet long. 42-2606 ..... 13.99
(11) 3-foot "gold" premium patch extension. Two phono plugs with two inline phono jacks. 42-2602, 9.99
(12) 3-foot "gold" premium cable set. Set of four color-coded cables with phono plugs. 42-2603... 16.99
(13) 3-foot "gold" premium ribbon. Cable assembly with four phono plugs at each end. 42-2604 ..... 16.99
New Y adapter "gold" premium cable. Phono plug at one end—two phono jacks at the other. 42-2608.. 12.99
New Y adapter "gold" premium cable. Phono jack at one end—two phono plugs at the other. 42-2609..... 12.99
(14) New 6-foot "gold" premium cable. 1/8" stereo plugs on each end. 42-2607 ..... 9.99
(15) New 50-ft. "gold" premium PA speaker/instrument cable. 1/4" phone plug at each end. 42-2470, 29.99
New 18.5-foot "gold" guitar cable. 42-2610 .... 19.99

## Gold-plated plugs, jacks, adapters

(16) Panel-mount phono jacks. Mount in 1/4"-diameter holes. 274-852 ..... Pkg. of 2/2.59
(17) Two-conductor (monaural) 1/4" (6.35mm) phone plug. Coil strain relief. 274-855 ..... 3.59
(18) Three-conductor (stereo) 1/8" (3.5mm) phone plug. 274-858 ..... 3.59
(19) Phono plug. Heavy duty. Coil strain relief helps prevent damage. 274-850 ..... 2.99
(20) Accepts 1/8" stereo plug and plugs into 1/4" stereo jack. 274-876 ..... 2.99
(21) Phono plug coupler. Connects two phono plugs. 274-874 ..... 1.99
(22) New Gold-plated phono jack to phono jack adapter. 274-864 ..... 3.59
(23) Dual headphone adapter. Connects two 1/8" stereo headphone plugs to a 1/8" stereo headphone jack. 274-879 ..... 4.59
(24) 3-conductor 1/4" inline phone jack. Coil strain relief. 274-859 ..... 4.19
(25) Accepts 1/4" stereo plug and plugs into 1/8" stereo jack. 274-875 ..... 2.99
(26) Phono jack coupler. Connects two phono jacks. 274-873 ..... 1.99
(27) New Gold-plated phono plug to phono plug adapter. 274-863 ..... 3.59
(28) New Gold-plated 1/4" phone plug. 274-865, 3.99
(29) New Gold-plated 1/4" solderless stereo phone plug. 274-866 ..... 3.99
(30) New Mono 1/4" solderless gold-plated phone plug. 274-867 ..... 3.79
(31) New Mono 2-conductor 1/8" solderless gold-plated mini phone plug. 274-868 ..... 3.59
(32) New Stereo 3-conductor 1/8" solderless gold-plated mini phone plug. 274-869 ..... 3.79

# The Gold Connection

*Many of our audio connectors and adapters are available in gold-plated versions. Corrosion-resistant gold plating assures a secure hookup and superior signal transfer, resulting in high dependability and the best possible sound.*




# Megacable®
## Makes a Difference!

*Thanks to tighter, more uniform stranding, Radio Shack's 278-1268/1270 Megacable has over 5% more copper by weight per foot than another leading brand. This higher copper content reduces resistance and power loss, which improves signal transfer. In other words, more music "flows" through Megacable. Rope-strand design provides more flexibility than standard braided wire, too. You get top quality at lower cost!*




**QUESTION:** *What's the difference between audio plugs?*

Q&A

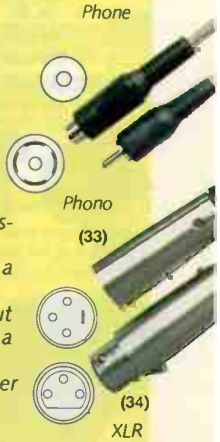
**ANSWER:**

***Phone plugs*** *are used primarily on headphone and microphone cords. They come in 1/4" (6.35mm), 1/8" (3.5mm) and 3/32" (2.5 mm) sizes. We stock stereo (3-conductor) and mono (2-cond.) types and the matching sockets, called jacks.*

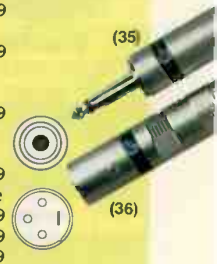
***Phono (RCA)*** *plugs are used primarily for "line-level" audio or video hookups. For example, a shielded cable with phono plugs is used to connect a CD player to a stereo receiver.*




***XLR connectors*** *are used to connect microphones to PA systems. These hookups are balanced, which helps cut noise and hum pickup. Our XLR transformer (Fig. 31, below) adapts a microphone with a 1/4" plug to a PA amp or mixer that has an XLR input jack. Fig. 30 below, adapts a "pro" microphone with an XLR plug to an amp or mixer with a 1/4" input jack.*

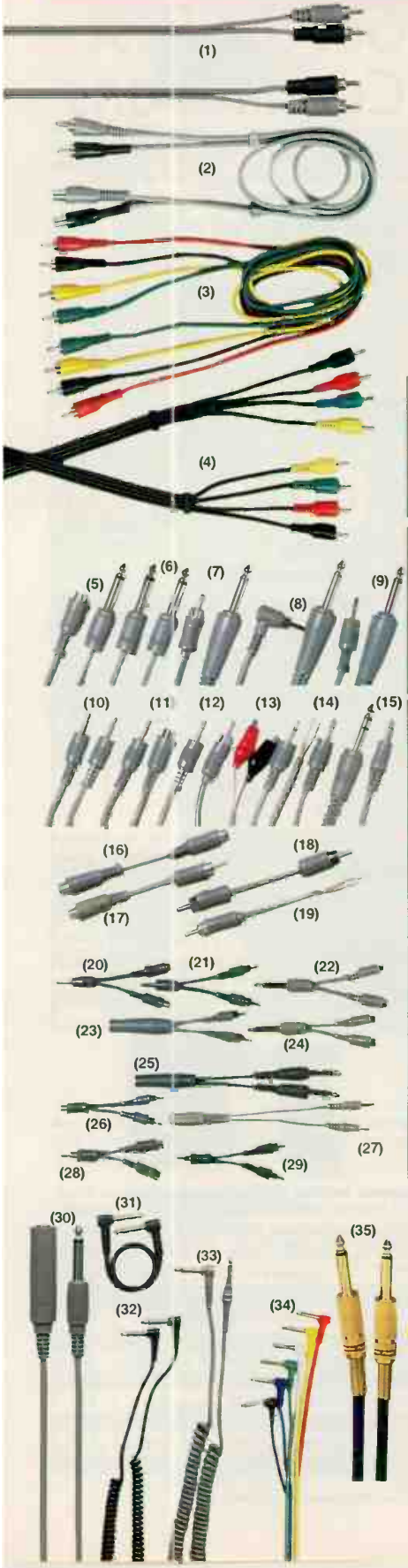



(33) XLR plug.
274-010 ..... 3.69
(34) Inline socket.
274-011 ..... 3.99
XLR panel socket.
274-013 ..... 4.29
(35) Adapter/Transformer. Accepts XLR plug. Fits 1/4" jack. 274-016 ..... 13.99
(36) Adapter/Transformer. Accepts 1/4" plug. Fits XLR jack. 274-017 ..... 13.99
8-pin Ham radio microphone plug. 274-025 ..... 2.49
4-pin mic plug. 274-001, 1.99
Socket. 274-002 ..... 1.69




Other speaker cables shown on page 77, bulk wire/cable on pages 117-118, standard audio connectors and adapters on pages 80-81

World Radio History




## Audio patch cables

For connecting audio components such as CD players, equalizers, stereo receivers, tape decks and mixers. These cables are quality checked. All have phono (RCA) connectors and are fully shielded to prevent pickup of hum and electrical interference.

(1) **12-foot stereo cable.** 42-2356 ..... 6.99
6-foot stereo cable. 42-2352 ..... 4.99
3-foot stereo cable. 42-2351 ..... 3.99

(2) **3-foot extension cable.** Two phono plugs at one end, two phono jacks at the other. 42-2353 ..... 3.99

(3) **Audio cable set.** Includes four separate 3-foot shielded audio cables. 42-2309 ..... Set 5.99

(4) **Patch-cable ribbon.** Four-cable assembly is ideal for connecting a tape deck, equalizer or Hi-Fi VCR audio to a stereo system, stereo receiver or amplifier. 6-ft. 42-2355 ..... 8.99 3-ft. 42-2354 ..... 6.99

### Shielded cables with ¼" phone plug

| Fig. | Description | Feet | Cat. No. | Each |
|---|---|---|---|---|
| 5 | ¼" Plug to Phono Jack | 6 | 42-2377 | 2.99 |
| 6 | ¼" Plug to ¼" Plug | 6 | 42-2381 | 3.49 |
| 7 | ¼" Plug to Phono Plug | 6 | 42-2373 | 3.49 |
| 8 | ¼" Plug to 90° Phono Plug | 6 | 42-2440 | 2.99 |
| 9 | ¼" Plug to ⅛" Mini Plug | 6 | 42-2433 | 2.99 |

### Shielded cables with ⅛" phone plug

| Fig. | Description | Feet | Cat. No. | Each |
|---|---|---|---|---|
| 10 | ⅛" Plug to ⅛" Plug | 6 | 42-2420 | 2.49 |
| 11 | ⅛" Plug to ⅛" Jack | 6 | 42-2472 | 2.99 |
| 12 | ⅛" Plug to Phono Plug | 6 | 42-2444 | 2.49 |
| 13 | ⅛" Plug to Alligator Clips | 6 | 42-2421 | 2.49 |
| 14 | ⅛" Plug to Stripped Ends | 6 | 42-2434 | 2.49 |
| 15 | ⅛" Plug to Stereo ¼" Plug | 6 | 42-2157 | 3.99 |

### Shielded cables with phono connectors

| Fig. | Description | Feet | Cat. No. | Each |
|---|---|---|---|---|
| 16 | Phono Jack to Phono Jack | 6 | 42-2358 | 2.49 |
| 17 | Phono Plug to Phono Jack | 3 | 42-2361 | 2.29 |
| 17 | Phono Plug to Phono Jack | 6 | 42-2362 | 2.49 |
| 17 | Phono Plug to Phono Jack | 12 | 42-2363 | 3.49 |
| 18 | Phono Plug to Phono Plug | 1½ | 42-2365 | 1.79 |
| 18 | Phono Plug to Phono Plug | 3 | 42-2366 | 1.99 |
| 18 | Phono Plug to Phono Plug | 6 | 42-2367 | 2.49 |
| 18 | Phono Plug to Phono Plug | 12 | 42-2368 | 3.49 |
| 19 | Phono Plug to Tinned Wire | 3 | 42-2370 | 1.79 |
| 19 | Phono Plug to Tinned Wire | 6 | 42-2371 | 1.99 |
| 19 | Phono Plug to Tinned Wire | 12 | 42-2372 | 2.99 |

### Shielded Y adapters

| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 20 | Two Phono Jacks to Mono ⅛" Plug | 42-2154 | 2.49 |
| 21 | Two Phono Plugs to Mono ⅛" Plug | 42-2153 | 2.49 |
| 22 | Two Phono Jacks to Stereo ¼" Plug | 42-2477 | 2.99 |
| 23 | Two Phono Plugs to Stereo ¼" Jack | 42-2471 | 3.99 |
| 24 | Two Phono Jacks to Mono ¼" Plug | 42-2150 | 2.49 |
| 25 | Two ¼" Plugs to ¼" Jack | 42-2156 | 3.49 |
| 26 | Two Phono Plugs to Phono Jack | 42-2435 | 2.99 |
| 27 | Two ⅛" Plugs to ⅛" Jack | 42-2158 | 2.99 |
| 28 | Phono Plug to 2 Phono Jacks | 42-2436 | 2.79 |
| 29 | Two Phono Plugs to Phono Plug | 42-2438 | 2.49 |

## Shielded microphone cable extensions

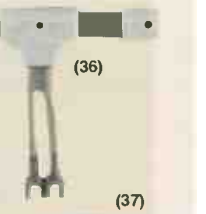
(30) Have ¼" plug at one end and a ¼" jack at the other. 25-ft. 42-2379 .... 6.99 12-ft. 42-2378 .... 4.99

## Shielded guitar/instrument cords

(31) **1-foot effects patch.** ¼" plug to ¼" plug. Ideal length for racks, processors. 42-2465 ..... 2.49
New **3-foot effects patch.** ¼" plug to ¼" plug. 42-2487 ..... 3.49
(32) **12-ft. coiled.** 90° ¼" plugs. 42-978 ..... 4.99
(33) **15-ft. coiled.** ¼" plug at one end, ¼" 90° plug on the other end. 42-2473 ..... 6.99
(34) New **6-pack color-coded cable.** 1-foot, ¼" plug to ¼" plug. 42-2486 ..... 12.99
(35) New **18½-ft. guitar cable.** Professional quality, gold-plated plugs. 42-2610 ..... 19.99

# We'll Help You Hook It Up Right

*When it comes to connecting stereo or video equipment, America comes to Radio Shack. We've got it all in audio cables, plugs, jacks and adapters—along with expert advice—at 6,600 locations.*




## Dipole FM antenna

(36) Easily connects to any FM receiver or radio that has screw terminals for external antenna. 58" element. 42-2385 ..... 2.99

## Shielded audio cables



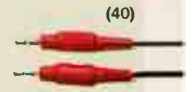

(37) With ⅛" stereo phone plug at each end. 6-ft. long. 42-2387 ..... 3.99




(38) With 5-pin DIN plug at each end. For connecting European audio equipment. 6-ft. long. 42-2151 ..... 4.99




(39) **MIDI cable.** 12 ft. Connects musical instruments having MIDI interface. 5-pin gold-plated DIN plugs. (42-2468 CMC) RSU 10443893 ..... 34.99




(40) **Dubbing cord.** This 6½-foot, attenuating cord has ⅛" monaural plug at each end. Use to connect earphone jack on TV, radio or stereo to mic jack on a recorder. 42-2152 ..... 3.49



(41) **Y adapter cord.** ⅛" stereo phone plug at one end, two phono plugs at other. 3-ft. long. 42-2475 ..... 4.49
6-ft. version of above. 42-2481 ..... 4.99







(42) **Y adapter cord.** Stereo cord with ¼" stereo plug at one end and two phono plugs at the other. Ideal for recording from a headphone jack. 6-ft. long. Shielded. 42-2474 ..... 5.99

(43) **Dubbing cord.** Has a ⅛" monaural phone plug at one end and a phono plug at the other. Shielded. 42-2461 ..... 3.99

Not sure which adapter or cable you need? Drop in to your nearby Radio Shack for the answer.

World Radio History

# CD and phono accessories/care equipment.



(1)

### 12-CD hard wallet

(1) Unique grips hold individual discs securely while tough injection-molded case protects against damage. Flip pockets to find CDs fast.
42-224 ..... 12.99



(2)

### New 24-disc CD hard wallet

(2) Carry your CD collection with you! Grips hold each disc securely. Tough injection-molded case.
42-229 ..... 17.99



(3)

### 25-CD storage

(3) Holds discs vertically, provides easy access to CDs in their jewel boxes. Helps you quickly find the one you want. 42-215 ..... 5.99



(4)

### 10-CD cube

(4) Get your collection organized. Holds 10 discs in their jewel boxes. Titles are easy to read—discs simply slide in and out. 42-214 ..... 5.99



(5)

### 42-disc CD rack

(5) Sturdy, attractive contemporary case stores double-disc sets, too. Horizontal design makes CD titles easy to read. 42-223 ... 9.99



(6)

### CD tote bag

(6) Carry your portable CD player securely in this rugged bag. Also holds 12 CDs in their jewel boxes. Storage pocket. 42-221 ..... 19.99



(7)

### New 24-CD wallet

(7) An easy way to take discs with you. CDs stay secure inside protective sleeves. Durable nylon. *Available Oct., 1995.* 42-230 ..... 14.99



(8) 12-CD version of above.
42-205 ..... 9.99



(9)

### New CD carry bag

(9) Safely holds up to 30 CDs in their jewel boxes for easy carrying. *Available Oct., 1995.* 42-231 ..... 14.99



(10)

### CD jewel boxes

(10) Replace lost or broken jewel boxes and keep your CDs clean and secure.
42-122 ..... Pkg. of 2/2.99



(11)

### Scratch 'n Fix

(11) In just a few moments it fills light scratches on your CDs so player can read discs and stop "skipping."
42-127 ..... 9.99



(12)

(13)

### Deluxe CD cleaner

(12) Rotating radial system removes dust, cigarette smoke and fingerprints. With fluid. 42-226 ..... 9.99

### CD cleaner fluid

(13) One fluid oz. replacement bottle. 42-126 ... 2.79



(14)

### CD lens cleaner

(14) Safely removes dust and dirt. Easy to follow instructions recorded on CD.
42-227 ..... 9.99



(15)

### CD cleaning kit

(15) Quick, easy way to keep CDs sounding great. With base, cleaning pad and fluid. 42-225 ..... 5.99



(16)

### Disc Stick® CD cleaner

(16) The CD cleaning system you can take anywhere.
42-141 ..... 4.99



(17)

### Protective sleeves for laser discs/LPs

(17) For 12" laser video discs and record albums.
42-132 .... Pkg. of 10/3.99



(18)

(19)

### LP cleaner spray

(18) Removes dust and dirt, prolongs life of stylus and records with regular use.
42-2503 ..... 3.99

### LP cleaning fluid

(19) Four ounce bottle.
42-119 ..... 2.29



(20)

### 45-RPM adapter

(20) Play 45s on LP phono spindles. 42-120 ..... 69¢



(21)

### Pro record cleaner

(21) Velvet-surface brush, 2 oz. fluid. 42-117 ..... 7.99



### *Cartridge and stylus special-order service.*

*Radio Shack Unlimited℠ can deliver most replacement styli and cartridges direct to your door! Hundreds of types available. If the type you need isn't on this page, we'll order it for you. Bring in your cartridge or stylus if you're not sure what you need.*

# *Protection for CD & LP Collections*

*Whether you listen to CDs, albums or 45s, you'll want to keep all your recordings and equipment performing at their best. Your nearby Radio Shack has everything in storage accessories and cleaning supplies.*



(22)

### Magnetic phono cartridges

**(22) R25XT.** 20-20,000 Hz response. 2.5-3.5 gram tracking. 42-2777 ..... 19.99



(23)

**(23) R47XT.** 20-20,000 Hz response. 1.75-2.25 gram tracking. 42-2778 ..... 26.99

**(24) RXP3.** P-mount design. 1.25 gram tracking.
42-2790 ..... 29.99



(24)

**(25) Realistic/Stanton RS500 DJ cartridge.** For broadcast and DJ use.
42-2794 ..... 34.99

**(26) R500 DJ stylus.**
42-2793 ..... 21.99



(25)

**(27) Realistic/Audio Technica RX 1500 cartridge.** Diamond elliptical. 1-1.5 gram tracking.
42-2775 ..... 34.99

**(28) R3X diamond replacement stylus.** For R25, M71, M75ECS series.
42-2780 ..... 14.99



(26)

**(29) R5X diamond replacement stylus.** For R47, M70, M75 series.
42-2781 ..... 17.99

**(30) RS3P diamond replacement stylus.** For RXP3, M92E, M104E.
42-2791 ..... 19.99



(27)

**(31) RS-166 diamond replacement stylus.** For BSR cart. or stylus no. SC7H, SC8M, ST-16, ST-17, ST-21.
42-2892 ..... 3.99

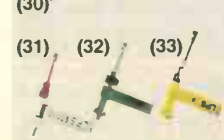


(28)

(29)

**(32) RS-98 diamond replacement stylus.** Tetrad cart./stylus 51-54D, 61-64D, A1-A3, B-1, B-4, T5HD, 20HD.
42-2802 ..... 3.99

(30)



(31)

(32)

(33)

**(33) RS-127 diamond replacement stylus.** For Tetrad cart./stylus 40-44D, 20-24D, C-01/2/3, T3, 30MD.
42-2841 ..... 3.99

All stereo phono cartridges on this page are of moving-magnet design.

World Radio History

# Audio cassette cleaners and accessories.



### Bulk tape eraser works fast

Don't make your cassette recorder do extra work. Erases your personal tapes quickly and completely. Not for use on metal tapes or video cassettes. UL listed AC. **44-232** ..... **19.99**



### "Pro" A/V cleaning kit

Gently removes accumulations of dust, dirt, grime, oxide deposits and other debris.
**44-1115** ..... **4.99**



### Tape head cleaning solvent

Safely dissolves dirt and oxide deposits on video and audio tape-deck heads. Leaves no residue behind.
**44-1113** ..... **3.99**



### Cleaner and lube kit

A complete care kit. Apply to tape head and rollers to keep equipment running smoothly. With cleaner, lubricant. **44-217** ..... **2.99**




### Demagnetizer improves tape sound

A demagnetizer helps cut tape hiss so your cassettes sound better. Simply load like an ordinary cassette. Works fast and signals you when it's done. With battery. **44-1165** .. **10.99**



### Budget cleaning kit

The low-cost way to protect your investment. Gently cleans away dust, dirt and other debris.
**44-1112** ..... **3.99**



### Standard cleaning solution

Gently but thoroughly cleans tape heads, tape guides and capstan rollers to keep your recorder working great.
**44-1010** ..... **99¢**



### Cleaning swabs

Ultrathin foam.
**44-1001** .... **Pkg. of 10/2.99**
Dual-tipped foam.
**44-1094** .... **Pkg. of 10/2.49**
Dual-tipped cotton.
**44-1093** ... **Pkg. of 100/2.49**

## Hard-to-find tape extras

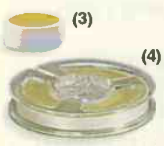



**(1) Equipment cleaning cloths.** Chemically treated. Gentle cleaning. **44-1088** .... **Pkg. of 4/2.49**
**(2) Edit block.** For splicing and repairing cassettes. **44-224, 3.99**




### Non-slip solution

Apply to belts and idlers to prevent slippage and ensure uniform speed. Also works on record changers. **44-1013** ... **99¢**




### Tape for tapes

**(3) Splicing tape.** ½" × 100". **44-1127** ..... **1.99**
**(4) Sensing tape.** 100" roll. **44-1155** ..... **3.99**



### Phone pickup

For recording personal calls or to keep a record of unwanted calls. (May be incompatible with some electronic telephones).
**44-533** ..... **3.99**



### Cassette shell

Replaces damaged housing. With 24" leader, instructions. **44-626** .. **1.19**



### Cassette boxes

Hinged boxes store and protect audio cassettes.
**44-611** .... **Pkg. of 3/1.59**



### Index labels

Self-adhesive back sticks to cassette. Six each of red, yellow, blue, green.
**44-621** .. **Pkg. of 24/99¢**



### Index cards

Fit standard cassette box.
**44-623** .. **Pkg. of 20/1.29**



### Cassette mailers

Excellent for demo tapes. Comply with all first-class postal regulations.
**44-608** ... **Pkg. of 3/99¢**




### Budget mailers

Heavy-duty cardboard. Meet all first-class postal regulations.
**44-632** ... **Pkg. of 6/99¢**



### Foot switch

For hands-free remote operation of recorders.
**44-610** ..... **3.99**



### Car AC adapter

Works with most portables. Delivers 6 or 9 volts.
**14-844** ..... **6.99**

# Audio Tape Extras

*Don't let dirty equipment ruin your listening pleasure. Radio Shack has what you need to maintain your tape deck and tapes for the best performance. We also have hard-to-find accessories and a big selection of home and car power adapters to fit Radio Shack and most other brands of tape portables.* *(pages 160-161).*



### Brush cleaner, demagnetizer

Our best, with a unique Field Discharge Chip that demagnetizes the tape head as 32,000 filaments gently clean areas others miss.
**44-1202** ..... **9.99**



### Head cleaner/ demagnetizer

Includes a demagnetizing cassette, probe, mirror and cleaning solution. It also works well with telephone answering machines.
**44-1167** ..... **5.99**



### Liquid deck cleaner

It restores player performance and helps prevent "tape-eating" by cleaning head, capstan and roller. Ideal for vehicle in-dash tape players. **44-1116** ..... **3.99**




### Head cleaner cassette

Kit helps extend tape and player life by removing harmful oxide deposits. The cassette works with cleaning solution to clean entire tape path. **44-1162** ... **2.99**



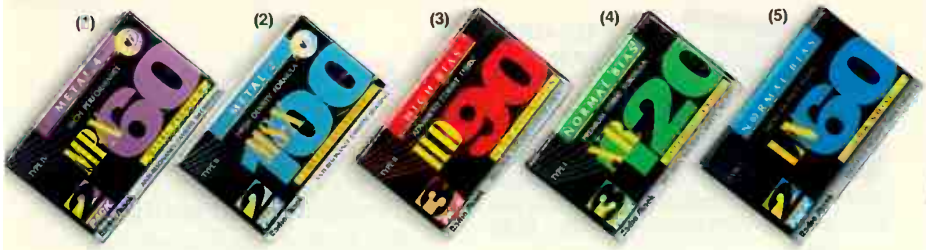

### Dry head cleaner

This extra-gentle and non-abrasive cleaner restores fidelity and extends cassette life by removing harmful oxide deposits from recorder heads. **44-1160** ..... **1.99**

There are 6,600 Radio Shack stores and dealers—we're near you.

World Radio History

# Audio recording cassettes and accessories.




## Use this reference to select the right tape for quality recordings

First, find the category at left that most closely describes the type of music you will be recording. Then, select a tape based on the type of equipment you will use to make the recording.

| Type of Music | Portable Stereos | Home Stereos | High-End Systems |
|---|---|---|---|
| Vintage Rock, Comedy, Speech | LN | LN, XR | HD |
| Pop Vocal, Soft Rock, Country, Gospel | XR | HD | MII, MIV |
| Rock, Classic Rock, Metal, Rap, Dance | XR | XR, HD | MII, MIV |
| Alternative/Modern Rock, Reggae, Jazz, Swing, Latin, R&B | XR | HD, MII | HD, MII, MIV |
| Symphonic, Chamber, Piano, Choral, Opera | HD | HD, MII | HD, MII, MIV |

## (1) MIV—Our finest! Digital-ready metal, great for recording CDs

Designed for recording on metal-capable decks, playable on all cassette equipment. Provides greater high-frequency headroom, so it's excellent for personal taping from compact discs. Precision anti-resonance tape mechanism reduces wow and flutter. Nonabrasive cleaning leader assures top performance on every playback. Protective hinged storage box, index card.

| Type | Total Recording Time | Cat. No. | Price Per Pack 1-2 | 3-11 | 12-49 | 50-499 |
|---|---|---|---|---|---|---|
| MIV-60 2-Pack | 120 Minutes | 44-962 | 7.99 | 7.19 | 6.39 | 5.59 |
| MIV-90 2-Pack | 180 Minutes | 44-963 | 8.99 | 8.09 | 7.19 | 6.29 |
| MIV-110 2-Pack | 220 Minutes | 44-964 | 9.99 | 8.99 | 7.99 | 6.99 |

## (2) MII—Premium metal type II tape for hi-bias recording decks

A superb metal tape for recording on decks with Chrome/Hi-bias (70 µS) switch position. Plays on all cassette equipment. This tape provides exceptionally wide dynamic range and low noise. Features a nonabrasive cleaning leader, a precision anti-resonance housing, a hinged storage box and handy index card.

| Type | Total Recording Time | Cat. No. | Price Per Pack 1-2 | 3-11 | 12-49 | 50-499 |
|---|---|---|---|---|---|---|
| MII-60 2-Pack | 120 Minutes | 44-954 | 6.99 | 6.29 | 5.59 | 4.89 |
| MII-90 2-Pack | 180 Minutes | 44-955 | 7.49 | 6.74 | 5.99 | 5.24 |
| MII-100 2-Pack | 200 Minutes | 44-956 | 7.99 | 7.19 | 6.39 | 5.59 |

## (3) HD—Digital-ready chrome-equivalent type II, a superb value

For recording on decks with Chrome/Hi-bias switch position. Plays on all cassette equipment. Captures loudest and softest passages while reducing noise. Precision-aligned housing. Nonabrasive cleaning leader. Hinged storage box with index card.

| Type | Total Recording Time | Cat. No. | Price Per Pack 1-2 | 3-11 | 12-49 | 50-499 |
|---|---|---|---|---|---|---|
| HD-60 3-Pack | 180 Minutes | 44-946 | 6.99 | 6.29 | 5.59 | 4.89 |
| HD-90 3-Pack | 270 Minutes | 44-947 | 7.99 | 7.19 | 6.39 | 5.59 |
| HD-90 5-Pack | 450 Minutes | 44-998 | 12.99 | 11.69 | 10.39 | 9.09 |
| HD-110 3-Pack | 330 Minutes | 44-948 | 9.99 | 8.99 | 7.99 | 6.99 |

## (4) XR—Premium extended-range ferric type I, a popular choice

Audiophile quality at a bargain price! For use on all cassette equipment. Delivers optimum performance at normal bias for greater detail. Precision-aligned housing. Nonabrasive cleaning leader. Hinged storage box with index card.

| Type | Total Recording Time | Cat. No. | Price Per Pack 1-2 | 3-11 | 12-49 | 50-499 |
|---|---|---|---|---|---|---|
| XR-60 3-Pack | 180 Minutes | 44-984 | 3.99 | 3.59 | 3.19 | 2.79 |
| XR-90 3-Pack | 270 Minutes | 44-985 | 4.99 | 4.49 | 3.99 | 3.49 |
| XR-120 3-Pack | 360 Minutes | 44-986 | 7.99 | 7.19 | 6.39 | 5.59 |

## (5) LN low-noise ferric type I cassettes

These low-noise tapes are ideal for recording speech, school notes, lectures and radio broadcasts. For use on all cassette equipment. Precision housing cuts wow and flutter.

| Type | Total Recording Time | Cat. No. | Price Per Pack 1-2 | 3-11 | 12-49 | 50-499 |
|---|---|---|---|---|---|---|
| LN-30 2-Pack | 60 Minutes | 44-910 | 1.69 | 1.52 | 1.35 | 1.18 |
| LN-60 2-Pack | 120 Minutes | 44-911 | 1.99 | 1.79 | 1.59 | 1.39 |
| LN-90 2-Pack | 180 Minutes | 44-912 | 2.49 | 2.24 | 1.99 | 1.74 |
| LN-120 2-Pack | 240 Minutes | 44-913 | 3.49 | 3.14 | 2.79 | 2.44 |

# Hear What You've Been Missing

*You get true-to-life sound when you record on Radio Shack audio cassettes. We offer types and lengths for every taping need—plus discounts when you buy in quantities of three or more.*



## The best ways to carry tunes

Each sturdy injection-molded case features a textured, scratch-resistant finish. Hinges and latches are built to withstand over 1.75 *million* openings and closings.

**10-cassette.** Holds up to 10 standard tapes or 14 cassette singles. **44-1205** ..... 4.99

**20-cassette.** Can also be used to store up to 10 audio cassettes and a personal stereo player. **44-1206** ..... 6.99

**36-cassette.** **44-1207** ..... 9.99

## Reel-to-reel tapes and reels




### Studio-quality open-reel recording tape

High-output tape is ideal for all your recording needs. Heavy-duty 1 mil polyester base is super strong and resists stretching. Box has index and timing chart.

900 feet. 5" reel.
**44-1883** ..... 7.99

1800 feet. 7" reel.
**44-1884** ..... 12.99




### Empty tape reels



Replace your worn or warped take-up reel to assure the very best performance from your reel-to-reel deck. Each of these quality plastic reels includes a storage box with handy index and timing chart

5" reel. **44-278** ..... 1.69
7" reel. **44-279** ..... 1.99

Attention schools and businesses: Discounts on larger quantities of cassettes are available at participating Radio Shack stores and dealers—see page 217.

World Radio History

# Wireless and full-size stereo headphones.



## New Wireless infrared monaural headphones are perfect for TV

Listen anywhere in the room without a cord. Great for late-night viewing or helping to compensate for a hearing loss—listen at the volume you prefer without disturbing others. Transmitter plugs into any TV or radio that has a headphone jack. 20 ft. range. Includes UL listed AC adapter. Headset requires 2 "AAA" batteries.
**33-1141**.....**59.99**



## New Wireless infrared stereo headphone system

Like the wireless infrared system at left with the added benefit of full-range *stereo* sound, making it ideal for use with a home stereo, stereo TV or home theater. The compact infrared transmitter plugs into a ¼" or ⅛" stereo headphone jack. The headset is lightweight for comfortable listening for hours at a time. With UL listed AC adapter. Headset requires 2 "AAA" batteries. **33-1142**.....**79.99**



## Wireless 900-MHz stereo headphone system

**Optimus PRO 100.** Enjoy clear sound from your stereo, stereo TV or home theater up to 150 feet away. This 900-MHz RF system features a *rechargeable* headset and works through walls and floors. Transmitter plugs into audio-out or headphone jack of equipment and can send signals to multiple additional headphones (see below). With hookup cords, headset charging cord, UL listed AC adapter. **33-1145**.....**129.99**

**Additional headphones.** With AC charger. (CMC 33-1146) **RSU 11451549**.....**69.99**

**Replacement AC charger.** Replaces lost or broken charger. (CMC 33-1147) **RSU 11451556**.....**9.99**




## Our finest full-size headphones are ideal for digital audio

**(1) Optimus PRO 90.** Engineered to handle the wide dynamic range of CDs. Titanium-evaporated diaphragms deliver wide 10-22,000 Hz response. Foam-filled cushions provide maximum isolation from outside sound. Coiled 8-foot oxygen-free copper cord with gold-plated ¼" plug. **33-1140**.....**69.99**

## Vented stereo headphones with variable-density cushions

**(3) PRO 60.** Soft-foam cushions help retain bass while the open-air design vents midrange and treble. You get the deep-bass response of a closed-type headphone plus the accurate midrange and highs of a vented-type 'phone. Response: 15-25,000 Hz. 8-foot cord, gold-plated ¼" plug. **33-999**.....**49.99**

## Stereo headphones with built-in dynamic boom microphone

**(2) Optimus PRO 50 MX.** Perfect for DJs, self-accompanied singers on stage or in the studio, and home recording. Unidirectional mic is on a flexible boom and has a built-in windscreen. Headphone response: 20-20,000 Hz. Has 8-foot cord with gold-plated ⅛" mic and stereo headphone plugs. **33-1135**.....**59.99**

## Vented, around-the-ear stereo 'phones with volume control

**(4) LV 20.** Large, foam-filled cushions surround the ear to retain bass and limit external sound, while the vented design ensures clarity and detail throughout the audio spectrum. Response: 20-20,000 Hz. The 8-foot Y-cord has an inline volume control and a gold-plated ¼" plug. **33-1001**.....**39.99**

ROCK AND ROLL HALL OF FAME + MUSEUM

**RadioShack**
OFFICIAL CONSUMER ELECTRONICS PRODUCTS




## New The Official Headphones of the Rock and Roll Hall of Fame + Museum

**Optimus PRO 40.** Radio Shack isn't the only place to hear these 'phones. You can experience their outstanding performance in the interactive displays at the new Rock and Roll Hall of Fame and Museum in Cleveland, Ohio. Combining sonic accuracy, comfort and durability, this headset has foam-filled cushions that provide maximum isolation from outside sounds. 20-20,000 Hz response. 8-foot cord with ¼" plug. **33-1132**.....**49.99**

See page 87 for headphone extension cords and page 87 for headphone plug adapters.

World Radio History

# We Have the **Extensions** and **Adapters** You Need

*Shop Radio Shack for the most complete selection of headphone adapters and extension cords of any retailer. We have what you need to get the greatest personal listening enjoyment from all your audio equipment.*




### Lightweight, open-air headphones

(1) Nova 67. So light and comfortable you might forget you're wearing them—except that they sound so good! Soft on-ear foam cushions and padded headband ensure hours of listening comfort. Open-air design delivers rich sound while letting you hear a phone or doorbell, should it ring. Response, 20-20,000 Hz. 8-foot Y-cord, 1/4" plug. **33-1026** ..... **34.99**

### Low-profile, supra-aural 'phones with pivoting earcushions

(2) Nova 56. Great comfort and sound! Foam-cushioned earcups pivot to rest lightly on the ear, and the adjustable headband flexes for just the right fit. 20-20,000 Hz response. 8-foot Y-cord, 1/4" plug. **33-2005** ..... **29.99**

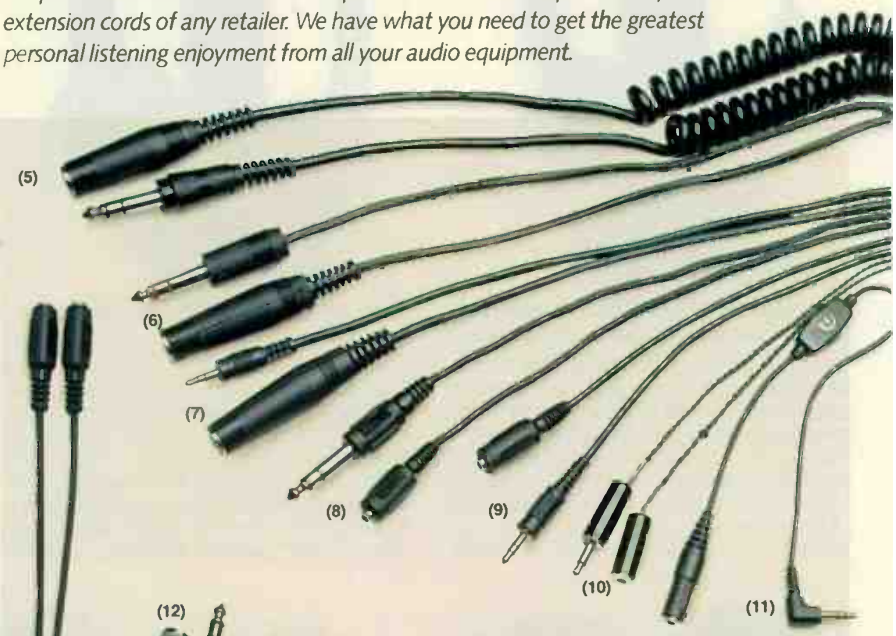



### Full-size 'phones with 1/8" plug

(3) Nova 44. Use with CD portables and personal stereos, or add plug adapter #274-367 (page 87) or extension cord #42-2460 (right) and use with stereo equipment that has a 1/4" headphone jack. Earcups swivel on balljoints for perfect ear contact. Response, 20-20,000 Hz. 7 1/2-foot cord. **33-1120** ..... **24.99**

### Headphones with balance controls

(4) Nova 28. Low-priced 'phones feature covered, foam-filled cushions that surround the ear for improved bass and isolation from external sounds. Controls on both earcups let you adjust balance to your preference. Response, 20-20,000 Hz. 9-foot cord, 1/4" plug. **33-1029** ..... **19.99**







**(5) 24-foot 1/4" stereo coiled headphone extension cord.** Nontangling cord has a 1/4" stereo plug at one end and a 1/4" stereo jack at the other end. **42-2443** ..... **8.49**

**(6) 20-foot 1/4" stereo headphone extension cord.** Extends the cord of full-size 'phones—just the thing for on-stage monitoring and studio recording. Noncoiled cord has a 1/4" stereo plug at one end and a 1/4" stereo jack at the other end. **42-2442** ..... **5.99**

**(7) 20-foot 1/4"-to-1/8" stereo headphone extension cord.** Connects full-size stereo 'phones to a portable CD player, personal stereo cassette player or personal receiver. Cord has 1/8" stereo plug at one end and 1/4" stereo jack at the other end. **42-2464** ..... **5.99**

**(8) 20-foot 1/8"-to-1/4" stereo headphone extension cord.** Connects lightweight stereo 'phones to home stereo components or PA/recording equipment having a 1/4" stereo headphone jack. Has 1/4" stereo plug at one end and 1/8" stereo jack at the other end. **42-2460** ..... **5.99**

**(9) 20-foot 1/8" stereo headphone extension cord.** Plugs into boombox, personal stereo or CD portable to extend the cord of lightweight headphones. Flexible, extra-durable cord has 1/8" stereo plug at one end and 1/8" stereo jack at the other end. **42-2462** ..... **6.49**

**(10) 20-foot 1/8" monaural earphone extension cord.** Enjoy TV or radio sound without disturbing others. Cord has 1/8" monaural plug at one end and 1/8" monaural jack at the other end. **33-176** ..... **2.99**

**(11) Add-on volume control for lightweight stereo 'phones.** One-foot cord has an inline attenuating volume control, 1/8" stereo plug at one end and 1/8" stereo jack at the other end. **42-2459** ..... **4.99**

**(12) 1/4" stereo headphone Y-adapter.** Connects two sets of full-size 'phones to one stereo jack. Has 1/4" stereo plug, two 1/4" stereo jacks. **42-2448** ..... **5.99**

**(13) 1/8" stereo headphone Y-adapter.** Connects two sets of full-size 'phones to one stereo jack. Has 1/4" stereo plug, two 1/4" stereo jacks. **42-2463** ..... **4.99**

Radio Shack is America's source for audio cables, plugs and adapters—see pages 79-81.

World Radio History

# Lightweight headphones and earphones.



### Our finest: lightweight digital stereo 'phones with titanium layered diaphragms

PRO-25. Titanium-layered diaphragms, oxygen-free coils and neodymium magnets team up for superb sound. 6-foot cord with inline volume control, gold-plated 1/8" plug. Response, 15-20,000 Hz. **33-1022** ..... **39.99**



### Fold-up design

Nova-37. Side-firing in-ear drivers provide solid bass response. Headband folds up compactly for easy carrying in a gym bag, hip pack or purse. 45" cord with 1/8" plug.
**33-2003** ..... **15.99**



### Stereo/mono

Nova-42. The stereo/mono switch and a 16-foot cord make these ideal for private listening to home audio or a portable TV. Gold-plated 1/8" plug.
**33-1115** ..... **12.99**



### Extra "comfy"

Nova-41. A flexible, adjustable covered headband and large, foam earcushions provide maximum comfort. Has 4-foot cord with a 1/8" right-angle plug.
**33-1112** ..... **9.99**



### Ultralight

Nova-39. So feathery light you might forget you're wearing them! Headband adjusts for best fit. Hear-through foam earcushions. Has 3 1/2-ft. cord with a 1/8" right-angle plug.
**33-1110** ..... **7.99**



### Budget priced

Nova-35. Even at this low price you get wide-range response for excellent sound. Gold-plated 1/8" plug, too! Adjustable headband, With 4-ft. cord.
**33-1100** ..... **5.99**



### Stereo 'phones with gold-plated 1/8" plug and 1/4" adapter

Nova-43. Super choice for your stereo or personal portable. Comfortable adjustable headband. Gold-plated 1/8" right-angle plug, 1/4" adapter, 5 1/2-foot cord. Response, 20-20,000 Hz.
**33-1125** ..... **19.99**



### New "Sports" in-ear design

Ultra light and moisture resistant. Side-firing in-ear drivers deliver impressive bass. Response, 20-20,000 Hz. 1/8" L-plug.
**33-1114** ..... **14.99**



### New "Sports" fold-up design

Samarium cobalt magnets and side-firing in-ear design moisture resistant. Response, 20-20,000 Hz. 1/8" L-plug.
**33-1124** ..... **19.99**



### New Clip-on earpad phones

Won't mess hair or fall off when you're active. 15-25,000 Hz response. With carry case, 1/8" and 1/4" plugs.
**33-1126** ..... **29.99**



### Our deluxe pillow speaker

Listen to cassettes without disturbing others. Rotary volume control, 6-foot cord with monaural 1/8" plug. (For use with stereo equipment, add our #274-374 or #274-363 plug adapter. Sound will be monaural.) **33-208** ..... **5.99**



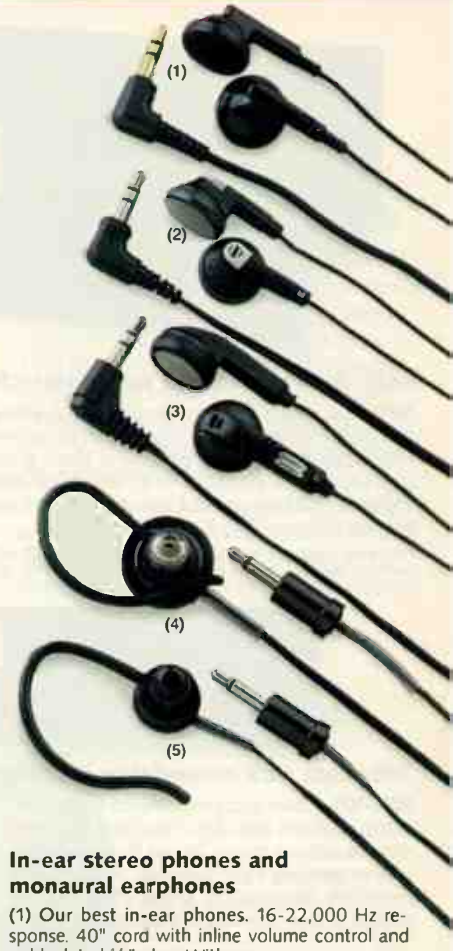
### Standard pillow speaker

Has 4-ft. cord with monaural 1/8" plug. (Add plug adapter for use with stereo equipment. Sound will be monaural.) **33-206** .... **3.99**




### Stereo headphone plug adapters

(9) Accepts 1/8" stereo plug, plugs into 1/8" monaural jack. 274-368 ..... 1.79
(10) Accepts 1/8" stereo plug, plugs into 3/32" stereo jack. Was $3.79 in 1995 Catalog. 274-373 ..... New Low Price! 2.99
(11) Accepts 1/8" stereo plug, plugs into 1/4" stereo jack. 274-367 ..... 1.99
(12) Accepts 1/4" stereo plug, plugs into 1/8" stereo jack. 274-366 ..... 1.99
(13) Accepts two 1/8" stereo plugs, plugs into 1/8" stereo jack. 274-313 ..... 3.99




### In-ear stereo phones and monaural earphones

(1) Our best in-ear phones. 16-22,000 Hz response. 40" cord with inline volume control and gold-plated 1/8" plug. With case.
**33-991** ..... **29.99**
(2) Ultralight in-ear phones. Just 0.42 ounce! Response, 120-20,000 Hz. 43" cord with 1/8" plug. **33-980** ..... **14.99**
(3) Budget in-ear phones. Response, 120-20,000 Hz. 46" cord with 1/8" plug. With case with wind-up cord storage. **33-970** ..... **8.99**
(4) Deluxe monaural earphone with 25-ft. cord. Flexible earclip, 1/8" plug. **33-178** ..... **5.99**
With 10-ft. cord. **33-177** ..... **3.99**
(5) Monaural earphone with 1/8" plug. Earclip, 3 1/4-ft. cord. **33-175** ..... **1.99**
With 3/32" submini plug. **33-174** ..... **1.99**




### Foam earpad replacement sets

(6) Fit most lightweight stereo headphones.
**33-374** .... Set of 4/2.99

(7) For Nova-35/42 headphones, many others. **33-377**, Set of 4/2.99

For Nova-34/36, others.
**33-375** ..... Pair 99¢

(8) Micro in-ear pads.
**33-376** ..... Set of 4/99¢

See page 86 for headphone extension cords, page 79-81 for more plug adapters.

World Radio History

# Wireless microphones and audio enhancers.

## Move to the Music

*Our 170-MHz FM wireless microphones/transmitters and receivers free you to move around with no trailing cord—ideal for DJs, karaoke jockeys, musicians, lecturers and aerobics instructors.*



**New 3-channel, 170-MHz wireless FM microphone**

The right choice for singers and emcees—team it with a base receiver and move freely with no trailing cord. Three-channel, 170-MHz operation combines with compander noise-reduction circuitry (found in quality cordless phones) to deliver crystal-clear sound. Selectable channels enable performers to use multiple mics and receivers in the same location, yet balance (mix) them separately. LED low-battery indicator. Requires 9V battery. **32-1230** . . . . . **89.99**



**New 3-channel, 170-MHz wireless FM transmitter**

Team it with a base receiver, clip it to your belt, plug in a corded mic or guitar, and roam the stage free of cords. Multiple channels allow up to four persons, each with individual transmitter and receiver, to perform "wirelessly" without interfering with each other. Compander noise-reduction circuitry. 1/4" and 1/8" inputs. Low-battery LED. Requires 9V battery. Available Oct. 1995 **32-1232** . . . . . **69.99**

**New 3-channel, 170-MHz FM wireless lapel microphone transmitter**

Microphone clips to lapel, collar or pocket with no cord to get in the way. Selectable channels makes it ideal for panel discussions—up to four persons can have individual mics. Compander noise-reduction circuitry. Low-battery LED. Requires 9V battery. **32-1231** . . . . **79.99**



**New 8-channel, 170-MHz FM wireless base receiver**

Companion to 170-MHz FM wireless transmitters features eight selectable channels for multi-microphone/transmitter applications and clearest sound possible. Also has compander noise-reduction circuitry and rotary output-level control. Mic-level and line-level output jacks. UL listed AC. **32-1233** . . . **79.99**



**New 8-channel, 170-MHz FM true-diversity base receiver**

Dual-antenna design helps eliminate "dead spots" and ensures best possible reception from wireless transmitters. Eight channels allow multi-mic/transmitter applications. Compander noise-reduction circuitry, rotary output-level control. Mic-level and line-level output jacks. UL listed AC. **32-1234** . . . **119.99**



**Hands-free wireless mic system**

Crystal clarity with up to 200-ft. range. Receiver has mic/line-level outputs. Microphone has standby/talk switch and requires "AA" battery. UL listed AC (or DC adapter 270-1534, extra). (TSP) **32-1221** . . . . . **59.99**



**Camcorder wireless mic system**

Record up to 200 ft. away. Receiver has high/low volume, monitor, earphone, camcorder microphone cable, shoe mount. Transmitter has belt clip and tie-clip mic. Requires 2 9V batteries. (TSP) **32-1226** . . . . . **69.99**



**Sound effects generator/mixer**

This 3-channel audio mixer combines a monaural microphone channel with two stereo line-level sources plus 59 digitally sampled sounds, 18 electronic tunes, arcade sounds and effects. Samples can be modified and sequenced to play in any order. Ideal for DJs and KJs, radio and video production. 1/8" headphone jack. UL listed AC operation. **32-1116** . . **99.99**



**New Reverb control**

Add echo and reverb to recordings, "live" vocals or amplified musical instruments. Has jacks for line-in and line-out plus 1/4" input for microphone or guitar. Requires 6 "AA" batteries. **32-1107** . . . . . **49.99**



**New Stereo mic/line mixer**

Perfect for adding inputs to expand your PA system, and ideal for recordings—mixes up to four microphones or line inputs. Slide-action channel faders, stereo/mono switch. Requires 9V battery. **32-1106** . . . **49.99**

Shop Radio Shack for all your public address and recording needs.

World Radio History



**New Public address system for DJs and announcers**

About the only thing this package doesn't include is an audience. You get a 100-watt stereo amp, a 6-channel mixer with equalizer and adjustable echo, a unidirectional dynamic microphone with flexible gooseneck, and dual 15" 2-way speakers. **32-3003/32-3002/40-1415(2)/33-3011 .... 1004.95**

# *We've Put it All Together for You*

*Why spend time and money assembling your own public address system when you've got Radio Shack? We've combined high-performance PA equipment in matched-component systems to meet the demands of a variety of applications.*

*Keep your PA components in order with one of our heavy-duty floor and desk racks. Each is sturdy and ideal for use on stage or in the recording studio.*



**New PA system for large rooms**

Perfect for auditoriums and churches. The 100-watt amplifier with built-in mic mixer reaches the whole audience, even sleepers on the back row. Five-channel stereo mixer balances the volume of four microphones plus an aux source and sends the result to dual 2-way speakers for superior sound.
**32-2039/40-1416(2)/33-3001 ..... 579.96**



**New "Medium-room" PA system**

35-watt amplifier with microphone mixer has ample power to reach audiences in medium-sized lecture halls and churches. The unidirectional microphone has a single direction pickup pattern that cuts feedback and background noise. Four 8" wall-mount speakers.
**32-2042/40-1414(4)/33-3005 ..... 259.94**



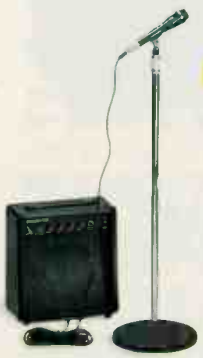
**Desk/ table rack**

This 17½"-high rack provides 10 spaces up front for your gear and features heavy 16-gauge steel construction with a textured, powder-coat black finish. Has 5-space vented rear panel, front and rear threaded rails, removable side panels and rubber feet. 18" deep. (CMC 32-1035)
**RSU 10445294 ..... 199.99**



**New "Take anywhere" PA system**

Its small size and price make it easy to take for use indoors and out. Includes 20-watt amplifier with mixer, a unidirectional microphone and a 10" 2-way speaker.
**32-2041/33-1073/40-1416 ..... 264.97**



**New Portable "small-room" PA system**

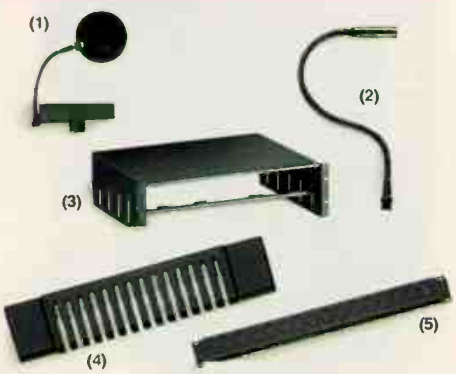
Great system for conference halls and class rooms. Includes compact all-in-one speaker/amplifier, unidirectional dynamic microphone and mic stand.
**32-1152/33-3002/33-320 ..... 194.97**



**Sloped-top floor rack**

Ideal for use both in the studio and on stage. Provides 16 spaces on the bottom for amplifiers, equalizers and processors, 12 on the slope for mixers or recorders. High-density ⅝" particle board with black laminate finish. Front and rear rails, preinstalled casters (two locking). 16" deep. (CMC 32-1036)
**RSU 10445302 ..... 249.99**

## PA/DJ accessories




(1) **New** Microphone "pop" screen. Helps eliminate explosive accents on "p" and "b" consonants that can mar live audio and recordings. (CMC T33-GS) **RSU 11443405 ..... 29.99**

(2) **New** Flexible DJ lamp. Plugs into mixer. Great for working DJs and karaoke jockeys. (CMC T32-BNL200) **RSU 11443363 ..... 24.99**

(3) **New** Clamping shelf. Modular design works with table and floor racks shown at right. (CMC T32-RC3) **RSU 11443389 ..... 59.99**

(4) **New** Cable organizer. Eliminates tangles of cords and helps prevent accidents. (CMC T32-CLAW) **RSU 11443371 ..... 14.99**

(5) **New** Universal connector panel with punch-outs. For use with table and floor racks shown at right. (CMC T32-UNI1) **RSU 11443397 ..... 11.99**

**One-space blank panel.** For 32-1035/1036. (32-1037 CMC) **RSU 10456556 ..... 11.99**

**Three-space rack drawer.** For 32-1035/1036. (32-1038 CMC) **RSU 10456564 ..... 109.99**

**One-space rack shelf.** For 32-1035/1036. (32-1039 CMC) **RSU 10456572 ..... 28.99**

**One-space vent panel.** For 32-1035/1036. (32-1040 CMC) **RSU 10456580 ..... 12.99**

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠ Shipping charges may apply

World Radio History

## Radio Shack microphones by Shure®



*When you need professional quality audio performance, choose a Radio Shack microphone by Shure, the world's leading microphone manufacturer.*

### Pro-unidirectional dynamic

Low-impedance microphone designed for the professional vocal artist. High-output neodymium cartridge and unidirectional pickup pattern optimize sound quality while reducing annoying feedback. 50-20,000 Hz response. 16-foot cable with XLR connector. Includes swivel stand adapter and zippered bag. **33-3010** ..... **89.99**

### Pro-unidirectional highball microphone

Dual-impedance (hi/lo) microphone ideal for general sound reinforcement and paging. Unidirectional pickup pattern reduces background noise and minimizes feedback. 80-15,000 Hz response. 16-ft. cable with 1/4" plug (adaptable to XLR). Includes swivel stand adapter and zippered bag.
**33-984** ..... **59.99**

### Rugged super omnidirectional mic

High-quality low-impedance microphone for home recording and interviews. Durable construction features rubber shock ring. Omnidirectional pickup pattern is equally sensitive to sound from all directions—ideal for recording multiple voices or instruments. 40-17,000 Hz response. 16-foot cable with XLR connector. Includes swivel stand adapter and zippered bag. **33-1070** ..... **49.99**

## Stands, hardware




(1) **Heavy-duty stand.** Perfect for stage or studio. Cast-iron base provides stability. Chromium-plated tube adjusts from 34" to 64" high. Standard 5/8" thread for mic stand adapters. **33-320** ..... **24.99**

(2) **Folding stand.** Adjusts from 32" to 57". Legs fold up for quick transport or storage. Non-slip rubber feet. Standard 5/8" thread for mic stand adapters. **33-325** ..... **27.99**

(3) **31" boom adapter.** Attaches to microphone stand to position mic where you need it. Adjustable length and angle, built-in counterweight. Standard 5/8" thread. **33-344** .. **15.99**

(4) **13" gooseneck. 33-330** ..... **5.99**

(5) **5/8" screw flange. 33-332** ..... **2.99**

(6) **Desk mic stand. 33-370** ..... **6.99**

(7) **Clamp-on adapter. 33-372** ..... **4.99**

(8) **Slip-in adapter. 33-371** ..... **2.99**

(9) **Heavy-duty adapter. 33-4005** ..... **4.99**

(10) **Gooseneck screw flange.**
**33-4007** ..... **9.99**

#33-320, 33-325 and 33-444 do not include microphone adapter shown

# Make It Loud & Clear

*Whether for stage, recording, karaoke or public address, you'll find a microphone suited to the task at Radio Shack. We can supply the adapters, stands, cables and connectors you need, too.*

### Buzz WORDS

***APPLICATIONS.*** *Handheld mics, for performance and interviews, offer wide-range sound, good shock-mounting and durability. Lavalier mics, worn on lapel, collar, or around the neck, leave the user's hands free to work or gesture. Surface-mount mics are ideal for desk or conference table. Gooseneck mics easily adjust for different speaker heights and are used on podiums and lecterns.*

***CARTRIDGE TYPE.*** *Condenser mics, having a built-in preamp, offer crisp, clean sound—recommended for high-quality recording. Rugged dynamic mics offer good sound and resistance to temperature extremes—a popular choice for PA applications.*

***DIRECTIONALITY.*** *The pickup pattern of a microphone. Omnidirectional mics provide equal sensitivity to sound in all directions—excellent for meetings. Unidirectional or cardioid mics' single-direction pickup pattern reduces feedback and background noise—ideal for stage or PA use.*

***FREQUENCY RESPONSE.*** *Range of sound, low to high, that a mic picks up. The wider the range, the more natural the sound.*

***IMPEDANCE.*** *Hi-impedance mics feature a cable with 1/4" phone plug. Low-impedance types employ a 3-pin XLR connector and 3-wire shielded cable which helps cut noise on cable runs of 45 feet or more.*

### Noise-reducing microphone windscreens




(11) **For tie-clip microphone.** Helps reduce breath sounds and noises from rustling of clothing.
**33-4006** ..... **1.99**

(12) **For standard mic heads.** Foam screen fits over mike head to help cut breath sounds and wind noise.
**33-373** ..... **2.99**

(13) **Large windscreen.** As above, for larger microphone heads.
**33-4001** ..... **3.99**

(14) **Foam windscreen.** For 33-3007 microphone.
**33-378** ..... **3.99**

Shure is a registered trademark of Shure Brothers Incorporated

World Radio History

# Microphones, adapters and cable.




## Professional-quality low-impedance microphones for stage, recording and PA use

**(1) Unidirectional condenser.** Extended 40-18,000 Hz flat response keeps instruments and samples sounding accurate and lifelike. 15-foot cable with 1/4" plug. (TSP)
**33-3007** ..... **99.99**

**(2) Pro-unidirectional dynamic.** A superb microphone for vocalists and announcers. Has on/off control switch. 80-15,000 Hz response. 16-foot cable with 1/4" plug. (TSP)
**33-3001** ..... **69.99**

**(3) Unidirectional dynamic.** Especially suited for vocal use. Rugged die-cast zinc body is built to last. 100-10,000 Hz response. On/off switch. 20-foot cable with 1/4" plug. (TSP)
**33-3004** ..... **49.99**

**(4) Unidirectional dynamic.** Ideal for stage use—the cardioid pickup pattern reduces annoying feedback and unwanted background noise. 100-14,000 Hz response. 16-foot cable with 1/4" plug. On/off switch. (TSP)
**33-3002** ..... **39.99**

**(5) Unidirectional dynamic.** Die-cast zinc body. Wire-mesh wind screen reduces breath "pops" and sibilants. 50-15,000 Hz response. On/off switch. 5-foot cable with 1/4" plug. Stand adapter. **33-1073** ..... **34.99**

**(6) Unidirectional dynamic mic with gooseneck.** The 12 1/2" flexible gooseneck adjusts for speakers of different heights. 100-10,000 Hz response. XLR plug for use in balanced-mike hookups. Stand adapter.
**33-3011** ..... **34.99**

**(7) Unidirectional dynamic.** Ideal for on-stage vocal use. Rugged die-cast body has textured surface for sure grip. 100-14,000 Hz response. 600 ohms. On/off switch. 20-foot cable with 1/4" plug. Includes stand adapter and case. **33-3005** ..... **29.99**

**(8) Omnidirectional dynamic.** Feedback-reducing internal filter makes it ideal for meetings. 50-13,000 Hz response. 6 1/2-foot cable with 1/4" plug. **33-3008** ..... **24.99**

**(9) Unidirectional dynamic.** High-quality general-purpose mic—an excellent value. 80-16,000 Hz response. 9 1/2-foot cable with 1/4" plug. **33-3009** ..... **17.99**

## Specialty microphones



**PZM™ microphone.** Unique design responds to sound pressure, cuts echo while increasing clarity and range. 20-18,000 Hz response. 600 ohms. 18-foot cord with 1/4" plug. Requires "AA" battery.
**33-1090** ..... **59.99**
PZM is a trademark of Crown International




### Hands-free electret mics

**(13) Tie-clip omnidirectional.** 50-15,000 Hz response. 1000 ohms. 3-foot cord with 1/8" plug. Includes battery. **33-1052** ..... **24.99**

**(14) Tie-pin omnidirectional.** On/off switch. 70-16,000 Hz response. 1000 ohms. 16 1/2-foot cord with 1/8" plug. Includes clothing clip, windscreen and battery. **33-3003** ..... **34.99**




### Microphones for portable cassette recorders

**(15) Budget dynamic.** On/off switch, 1/8" audio plug, 3/32" remote plug. **33-1067** .... **5.99**

**(16) Omnidirectional electret.** 20-13,000 Hz response. 6 1/2-foot cord with 1/8" audio plug and 3/32" remote plug. Includes stand and battery. **33-1060** ..... **23.99**

**(17) Omnidirectional dynamic.** 100-11,000 Hz response. 6 1/2-foot cord with 1/8" audio plug, 3/32" remote plug. **33-2001** ..... **11.99**



### Echo microphone for Karaoke

Adjustable echo adds an extra dimension to sound, and the unidirectional pickup makes it ideal for on-stage performance. 15-foot cord with 1/8" plug and 1/4" plug adapter. . Requires "AA" battery. **33-3006** ..... **49.99**

### FM wireless mic




Use for remote tape recording, in PA systems, for monitoring a child's room, more. Transmits to any FM radio or receiver tunable to 88-108 MHz. Up to 200-foot range when used outdoors, 100 feet indoors. Requires #23-150 battery.
**33-1076** ..... **19.99**

# Adapters and cable




**(10) A3M 1/4" jack-to-XLR plug adapter/transformer.** Connects a high-impedance microphone to balanced (3-wire shielded) cable/sound system for high-quality sound. **274-017** ..... **13.99**

**(11) A3F XLR jack-to-1/4" plug adapter/transformer.** Balanced mic/line to high-impedance input used in professional sound systems.
**274-016** ..... **13.99**

**(12) 15-foot microphone cable.** Flexible, durable 3-wire shielded cable with XLR plug at one end, XLR jack at the other. **33-4002** ..... **19.99**
**25-foot cable.** (33-4003 CMC)
**RSU10436541** ..... **24.99**
**50-foot cable.** (33-4004 CMC) **RSU 10436558** .... **29.99**

See page 79 for microphone cable extensions and guitar/instrument cords.

World Radio History

# Huge selection of video products.

## Televisions



(See page 99)

## LCD TVs




(See page 98)

## Indoor antennas



(See pages 108-109)

## VCRs



(See pages 100-102)

## Video accessories



(See pages 105-107 and 112-115)

## Camcorders



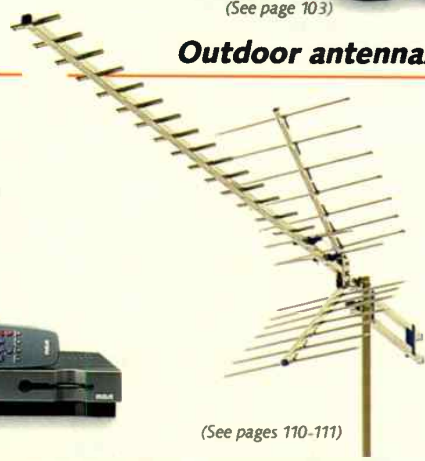

(See page 103)

## Digital Satellite System




(See page 97)

## Outdoor antennas



(See pages 110-111)

# America's Source for Video

*Your nearby Radio Shack offers some of the most innovative, useful video products available, plus the best selection of accessories anywhere. Our outstanding lineup includes:*

### Full-size and portable TVs

*We offer TVs with 2-and 3-way power that you can enjoy at home, on the go, and on the road. And, we have portable TV/VCR combos perfect for presentations and travel.*

### LCD televisions

*Lightweight and compact, LCD pocket TVs enable you to keep up with TV news, sports and favorite programs on the go. All feature precise digital tuning; models with A/V jacks are ideal portable camcorder monitors.*

### Indoor TV antennas

*Our performance-boosting indoor antennas are just the thing for apartments, dorm rooms, and locations where an outdoor antenna is unnecessary or impractical. Our broad selection includes amplified antennas ideal for "fringe" reception areas.*

### VCRs

*For recording programs, dubbing home videos and watching the latest video movies, our VCRs offer a variety of features to enhance your viewing pleasure.*

### Video accessories

*Whether you're a serious video enthusiast or just looking for some hookup help, we have what you need: video processors and selectors, universal remotes, and the cables and connectors to do the job right.*

### Camcorders

*For holidays and anniversaries, birthdays, recitals and graduation, nothing captures your family's precious memories like a camcorder. We give you a choice: full-size VHS, VHS-Compact and 8mm.*

### Digital satellite system

*Surf the "entertainment skyway"—175 channels of programming, all from a single 18" dish. DSS delivers a color-rich laser-disc quality picture direct to you, with CD-quality stereo sound.*

### Outdoor antennas

*We're America's number one antenna store—no one has a better selection of normal and specialty antennas. And no one but Radio Shack offers such a vast assortment of antenna masts, mounts and accessories, plus the helpful advice you need to accomplish your custom installation.*

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).

World Radio History



**DS-1120 system.** Surf the skyway for more movies, music, news, sports and information than you ever imagined—all delivered with stunning digital audio/video clarity. System includes 18" dish, TV set-top satellite receiver, and a 30-key remote which also controls most brands of TVs. Receiver rear-panel connections include antenna-in and line-out RCA connectors, wide-band data port and S-video output. **16-2530. . . 699.99**



**DS-2430 system.** Easily expandable to meet your future needs. The dual-polarity, twin-output design allows you to connect additional receivers (see below) for other rooms and enjoy different programs on each. Universal remote controls receiver plus most TVs, VCRs, laserdisc players and cable boxes. Wide-band data port provides access to future services. Gold-plated RCA connectors. Metal 18" dish with glass-reinforced reflector. **16-2531 . . . . . 899.99**

**Additional receiver for DS-2430.** Includes 30-key remote. **16-2532 . . . . . 599.99**

DSS installation kit. Includes all hardware and instructions necessary to do a basic installation yourself, using ordinary tools. With installation video and guide. **16-2533. . . 69.99**

Universal remote. Controls receiver, most brands of TVs, VCRs, LD players, cable boxes. 39 keys. **16-2534 . . . 29.99**

Chimney mount. **16-2537 . . . . . 24.99**

Satellite dish security alarm. Sounds if cable is cut. Requires 9V batt. **49-441 . . . . . 29.99**

Surge suppressor. Safeguards receiver. Protection includes all outlets and phone jack. **16-2536 . . . . . 19.99**

## RCA® Brand Digital Satellite Systems




**With 6,600 locations, Radio Shack is your nearby source for hard-to-find Digital Satellite System accessories**

Single LNB. (CMC T16-217333) RSU 11453784 . . . . . 159.99

Dual LNB. (CMC T16-221044) RSU 11453792 . . . . . 199.99

4-way splitter. (CMC T16-D2471) RSU 11453800 . . . . . 29.99

Indoor diplexer. (CMC T16-D4001) RSU 11453818 . . . . . 24.99

Outdoor diplexer. (CMC T16-D4002) RSU 11453826 . . . . . 39.99

Multi switch. (CMC T16-D6204) RSU 11453834 . . . . . 149.99

Extra dish. Single LNB. (CMC T16-DSA100RW) RSU 11453842 . . . . . 199.99

Extra dish. Dual LNB. (CMC T16-DSA400RW) RSU 11453859 . . . . . 249.99

In-line amplifier. Recommended for cable runs over 100 feet to improve signal strength. (CMC) 16-2535 RSU 11461589 . . . . . 24.99

## Sony® Brand DSS systems



**SAS-BS1 system.** Includes 18" dish, receiver, and Remote Commander® control, which also operates most TVs, cable boxes, VCRs. Express Navigator™ on-screen menu makes selecting a program simple. Two sets of A/V outputs, S-video outputs. 15-pin wideband data port for future applications. **16-2545 . . . . . 699.99**

**SAS-AD1 system.** All features of the SAS-BS1 system plus dual-output capability and multi-event programmable timer. Outputs: two sets video, three sets audio, S-video. 15-pin wide-band data port. With IR/RF remote control. **16-2546 . . . . . 899.99**

**SAT-B1 receiver.** Same features as SAS-BS1 system receiver. **16-2547 . . . . . 649.99**




**Sony DSS installation kit**

**ANJ-DS1 installation kit.** Includes instructional video with step-by-step tutorial describing dish location/positioning and connections. With cables, connectors, hardware, more. **16-2548 . . . . . 79.99**

# The Future of Entertainment is Here Today

*The Digital Satellite System (DSS®) is the first completely digital home video transmission system. A breakthrough in technology, it employs a fixed dish just 18" in diameter and a sleek receiver no larger than today's slimline VCRs.*

*The DSS system delivers far more channels than most cable-TV systems—currently up to 175—with a laserdisc-quality picture 30% sharper than ordinary TV plus CD-quality stereo sound. Available programming includes 23 movie channels, 5 music channels, 28 digital audio channels, 12 regional and national sports channels, 11 news and information channels, 19 variety channels, 72 pay-per-view channels and 5 network channels.*

*Use the remote to turn the system on, scroll through on-screen menus, select programs, store channels for surfing, even control your TV's volume. Should you desire an available pay-per-view program, your selection is automatically billed to your account via an internal modem connected to your phone line.*

### DSS programming options

*Satellite programming is available in a variety of "packages" from two companies: DIRECTV® and United States Satellite Broadcasting (USSB).*

***DIRECTV** offers a wide variety of programming from popular cable-TV channels—CNN, ESPN, The Discovery Channel, TBS, USA Network and many more—plus several channels of pay-per-view movies from top Hollywood studios. **USSB** specializes in premium movie channels such as HBO, Showtime and The Movie Channel, and also offers packages including some of the most popular cable channels.*

*Program options start as low as $7.95. Visit your nearby Radio Shack for details.*

### Professional installation option

*The small size of the DSS dish allows for a variety of installation options. Whether you want a rooftop, eave or chimney mount, or a more involved custom mount, it's important to have the job done correctly. That's why Radio Shack contracts professionals to do it for you—and saves you the hassle. For information on how to have your system installed quickly and professionally, stop in today and talk to a member of our friendly team.*

**Sony DSS systems available in selected stores only; RCA DSS available at all locations.** For the store nearest you, call: 1-817-878-6875. Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery or may require special handling. Please contact store or call 1-800-THE-SHACK for details.

World Radio History

# How do you keep up with the latest on television?




## New 2.2" pocket LCD color TV with digital tuning

Don't miss out on your favorite shows or the latest TV news or sports—take them with you. Backlit screen for viewing in dark or low-light areas. Digital tuning scans for VHF/UHF stations and locks them in. Rotary volume and brightness controls. Built-in telescoping rod antenna. Built-in speaker. Headphone jack. Requires 4 "AA" batteries or power adapter: AC #16-2018 or #273-1664, DC #16-2019. $3^{3}/_{16} \times 1^{5}/_{16} \times 5^{1}/_{16}$". (TSP) **16-171** ..... **129.99**



**Portable amplified TV/FM antenna.** Perfect for use with LCD TVs. With UL listed AC adapter. Requires 2 "AA" batteries for portable use. **15-1607** ..... **24.99**

**Stand for LCD TVs.**
**16-1201** ..... **9.99**

**Sun Hood for LCD TVs.**
**16-1202** ..... **12.99**

# The Answer: Take Your TV With You

*Portable pocket-size color LCD TVs put exciting television action in the palm of your hand. We've got a great selection, with sizes, features and models to fit any need. Perfect for sporting events!*



## New 2.2" LCD color TV—our lowest priced

Pocketable portable with flat color LCD screen that displays a crisp, clear picture. Precise digital tuning seeks out and locks in VHF/UHF channels in your area at the touch of a button. Telescoping rod antenna. Listen with built-in speaker or use the earphone jack for private listening. External antenna jack. $5^{3}/_{16} \times 3^{1}/_{4} \times 1^{3}/_{8}$". Requires 4 "AA" batteries or power adapter: AC #16-2018 or #273-1664, DC #16-2019. (TSP) **16-170** ..... **119.99**



## Easy-to-hold 2.5" LCD color TV

Comfortable design fits in your hand perfectly—ideal for taking to the game! Precise digital tuning seeks out strong VHF and UHF channels in your area and locks them in for no-drift reception. Built-in telescoping rod antenna with swivel base. Listen through the built-in speaker or add an earphone for private listening. External antenna jack. Requires 4 "AA" batteries or power adapter: AC #16-2018 or #273-1664, DC #16-2019. (TSP) **16-168** ..... **149.99**




## New 3" Sony Watchman® color TV with AM/FM stereo radio

Ultra-compact portable features a convenient desk stand that flips up for use as a carry handle. Active-matrix backlit LCD screen for a sharp, crisp image. AM/FM stereo tuner with Bass Boost (optional stereo headphones required for FM stereo listening). Sleep timer for radio or TV. Listen with speaker or add headphones for private listening. Telescoping rod antenna. Jacks for external antenna and A/V input. Requires 6 "C" batteries (or AC or DC adapter, extra). $4^{5}/_{8} \times 8^{5}/_{8} \times 2^{7}/_{8}$". (TSP) **16-8018** ..... **359.99**



## New 1.8" LCD TV with A/V inputs

Active-matrix technology delivers crisp video and looks great from any viewing angle. Precise, one-touch digital tuning. AV inputs for use as a camcorder/VCR monitor. Rotary volume and brightness controls. Telescoping rod antenna with swivel base. Built-in speaker. Jacks for adding earphone and external antenna. $4^{5}/_{8} \times 2^{13}/_{16} \times {}^{13}/_{16}$". Requires 3 "AA" batteries or adapter: AC #273-1664, DC #270-1567. (TSP) **16-172** ..... **179.99**



## New Our smallest 2.5" "big-screen" pocket LCD TV

Active-matrix technology delivers a color-rich, high-resolution picture for excellent viewing from any angle. Precise digital tuning seeks out and locks on to VHF/UHF channels in your area. Telescoping rod antenna. With built-in speaker and jack to add earphone for private listening. $4^{3}/_{4} \times 2^{15}/_{16} \times 1^{3}/_{16}$". Requires 3 "AA" batteries or power adapter: AC #273-1664, DC #270-1567. (TSP) **16-173** ..... **229.99**



## New LCD active matrix TV/radio

A great-looking 2.5" active-matrix screen, plus an AM/FM radio. Precise digital TV tuner scans for active VHF/UHF stations in your area and locks on. Rotary volume and brightness controls. Telescoping rod antenna with swivel base for TV/FM, built-in AM antenna. With built-in $1^{15}/_{16}$" speaker, and earphone jack. $4^{3}/_{8} \times 4^{1}/_{2} \times 2^{3}/_{8}$". Requires 3 "D" batteries or power adapter: AC #273-1664, DC #270-1567. (TSP) **16-174** ..... **259.99**

TV screens are measured diagonally—simulated reception. Sony and Watchman are trademarks of Sony.

World Radio History

# Tag-along TVs for home and travel.



## New Tag-along 5" black & white television

This portable B&W TV can go almost anywhere or just hang around the house. Perfect on a countertop, mounted under a cabinet, or for taking along in your van, boat or RV. Features 2-way power—plays on home AC or vehicle DC with included cord. It mounts easily under a cabinet with the included bracket. Slips out of brackets for portable use. With earphone jack for private listening and jack for adding an external antenna. Includes UL listed AC and 12VDC adapters. 5 × 6⅝ × 7½". (TSP)
**16-130** ..... **79.99**



## 5" portable black and white television with radio

Enjoy black and white TV and AM/FM radio wherever you are. 3-way power operation—plays on home AC, 12VDC or batteries. Fits easily on a night table, shelf or desktop. Telescoping rod antenna. External antenna jack. Includes UL listed AC and 12VDC adapters. Also operates on 9 "D" batteries (extra). 5 × 8 × 7⅝". (TSP) **16-124** ..... **99.99**



## 4.5" black and white television with AM/FM radio

Three-way power—plays on home AC, vehicle DC with included cord, or batteries. Fits nicely on table or desktop. Handy carry handle. Telescoping antenna with swivel base. Jacks for adding external antenna and earphone. Includes UL listed AC and 12VDC adapters. Also operates on 8 "D" batteries, extra. 6⅜ × 7 5/16 × 16 15/16". (TSP) **16-126** ..... **99.99**



## 7" black and white television with AM/FM radio

Light—less than 6 pounds! Swivel base allows for easy viewing from almost any angle. Two-way power—enjoy TV or radio from home AC or vehicle DC with included cord. Telescoping antenna, jacks for external antenna and earphone. Removable pedestal. Includes UL listed AC and 12VDC adapters. 9 1/16 × 9 9/16 × 9 9/16". (TSP) **16-245** ..... **99.99**



## New Sony Mega Watchman® B&W TV with AM/FM radio

Compact B&W TV with cubic design, 4.5" screen, and built-in AM/FM radio. Digital tuning. External antenna jack. Carry handle. Built-in 2" speaker. Earphone jack for private listening. Includes UL listed AC adapter. Also operates on 8 "D" batteries or DC adapter 270-1562 (extra). 7 × 7 × 7". (TSP) **16-8017** ..... **109.99**



## Our "everything" portable, with 4.5" TV, radio and cassette

AM/FM radio, stereo cassette and B&W TV. Dual 4" speakers and stereo headphone jack. Cassette features auto-stop and auto-level recording. Microphone jack. Includes UL listed AC adapter. Also operates on 8 "D" batteries or DC adapter 270-1562 (extra). 6⅛ × 17¾ × 5 ¾". (TSP) **16-119** ..... **119.99**



## 5" portable color television

Plays on home AC, vehicle DC or batteries. Built-in stand lets you tilt the TV. A/V inputs for use as portable VCR/camcorder monitor. Telescoping antenna. Earphone jack. Includes UL listed AC and 12VDC adapters. Also operates on 9 "D" batteries, extra. 7½ × 6⅜ × 10½". (TSP)
**16-125** ..... **249.99**

TV screens measured diagonally. Simulated reception. Sony and Watchman are trademarks of Sony.

World Radio History

# Color TVs and TV/VCR combos.



## New 19" color TV/VCR combo

Combines a TV and full-featured VCR in a single space-saving system, easily controllable with the included remote. You can set its on/off timer to automatically turn the TV on/off at preset times, and program the recording timer to tape up to five programs in a month. Selectable English, Spanish or French on-screen displays make it easy. Built-in closed-caption decoder delivers a transcript of the spoken portion of programs across the bottom of the screen, and can be switched on or off as you choose. Programmable sleep timer with auto-shutoff. 181-channel tuner with auto channel storage. A/V input and output jacks, telescoping dipole indoor antenna, connections for external antenna. Remote requires 2 "AA" batteries. **16-418** ..... **499.99**



## Portable AC/DC 5" color TV with built-in 8mm VCR

**Model 17.** Ideal for presentations, personal use, and perfect for videomakers—just pop in a tape from your 8mm camcorder for instant playback. Thanks to both AC and DC power capabilities, you can enjoy TV or videos at home, in a car, van, even a boat. A/V in/out jacks let you connect a camcorder for dubbing, or a larger TV for viewing. On-screen prompts, Hi-Fi monaural sound, flying erase head, digital auto tracking. Telescoping antenna, 1/8" jack for earphone. Carry handle. (TSP) **16-409** ..... **699.99**



## 13" color TV with built-in VHS VCR

This space-saving entertainer combines a 13" color TV and VHS VCR in one compact system. Ideal for use in the bedroom or kitchen, or take it to the office for group presentations. Built-in closed-caption decoder delivers a transcript of the spoken portion of programs across the bottom of the screen, and can be switched on or off as you choose. TV features 181-channel tuner, on-screen display, on/off timer, and sleep timer with automatic shutoff. VCR has 1-year/8-event recording timer, quick-timer recording, freeze frame, index search and auto-tracking. Remote requires 2 "AA" batteries. (TSP) **16-415** ..... **449.99**



## 9" color TV with built-in VHS VCR

**Model 25.** Perfect size for dorm room, sales presentations or travel. Plays on home AC or vehicle 12VDC (cables included). TV has 179-channel PLL digital-synthesized tuner that stores active stations automatically. Selectable English/Spanish on-screen display of TV/VCR functions. Remote operation of major TV and tape functions with 31-key infrared wireless remote. Auto-repeat replays tapes automatically. Auto/manual tracking. 3" speaker, earphone jack and A/V in/out jacks. Remote requires 2 "AA" batteries.
**16-417** ..... **499.99**



## New 9" Sony Trinitron® personal portable TV

It's the ultimate kitchen TV, with white cabinetry, white coiled cord, even white remote control. Small enough to fit on any workspace, even mount below a shelf or cabinet. Comes with versatile dual-mode swivel bracket for easy viewing anywhere. Direct video input for use with VCRs or as a color monitor for your camcorder. Remote has sleep timer for late-night viewing in the bedroom. 181-channel auto preset tuner, on-screen display. **16-8030** ..... **329.99**



## Portable 9" UHF/VHF color TV with remote

Use this compact entertainer as a standard TV or as a color monitor. It features two pairs of A/V input jacks and one pair of A/V-out jacks so you can connect a variety of components, such as a camcorder, VCR and video processor. Dual-power (AC/12V vehicle DC) capability means you can use it at home or on the road. On-screen displays make it easy to adjust picture quality to your preference with the remote. 179-channel tuner, telescoping dipole antenna, 1/8" jack for earphone or external speaker. Remote requires 2 "AA" batteries. Includes AC and 12VDC cords. **16-246** ..... **299.99**



## New 20" color TV with stereo sound

Thrill to rich color and enjoy superb sound from this set's built-in full-range speakers. Features automatic picture control and auto demonstration. Full-function on-screen display in English or Spanish enables you to make picture and sound adjustments from your chair with the included remote. Has built-in closed-caption decoder plus sleep timer with auto-shutoff for late-night viewing. 181-channel tuner. Audio/video input jacks for VCR or other video source Remote requires 2 "AA" batteries. **16-256** ..... **369.99**



## 13" color TV/monitor

TC-194. Use the handy remote for direct-entry tuning, flashback to previous channel, or simply to surf up and down the active channels. You can set the sleep timer to shut off the TV if you should doze off first, and make picture/sound adjustments easily thanks to on-screen displays. Built-in closed-caption decoder displays a transcript of the spoken portion of programs across the bottom of the screen, and can be switched on or off as you choose. 179-channel tuner. A/V inputs for VCR, camcorder or other video source. Remote requires 2 "AA" batteries. (TSP) **16-288** ..... **249.99**

Use Radio Shack batteries in remotes for best results. TV screens measured diagonally—simulated reception.
Sony and Trinitron reg. TM Sony Corporation.

World Radio History



Decodes stereo and/or special audio program (SAP) broadcasts.

### Center-loading 8mm Hi-Fi stereo VCR with SAP

**Model 800.** Just pop in a tape from your 8mm camcorder for instant playback! You can also record direct from TV and enjoy prerecorded movies available in 8mm format. You get stereo-TV sound with SAP, a flying erase head for seamless transitions between video segments, and "just-in-time" recording that auto-adjusts tape speed to fit an automatic-timer recording onto cassette. Auto play/rewind/eject, automatic tracking. Still-frame, visual search, time search. 179-channel tuner, 1-year/8-event timer, A/V inputs. Remote requires 2 "AA" batteries. (TSP) **16-654** ..... **399.99**



Double-azimuth, 3-head design for crystal-clear video.

### Our finest 8mm Hi-Fi stereo VCR is small in size, big in performance

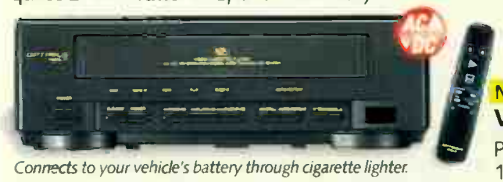
**Model 801.** At just 2½ x 8⅞ x 8¼", this is our most compact deck ever. Yet it delivers an extraordinarily clear picture and effects, plus Hi-Fi stereo and MTS stereo-TV sound with SAP. Flying erase head eliminates video noise between adjoining video segments. Auto play, auto tracking, slow-motion, still-frame, visual search. 181-channel tuner, 1-year/8-event timer, quick-timer. A/V inputs. Remote requires 2 "AA" batteries. (TSP) **16-655** ..... **499.99**



Plays tapes recorded in PAL and SECAM systems used overseas.

### Multistandard 2-head VHS VCR for world travelers

**Model 36.** Our "international entertainer" enables you to play VHS tapes from almost anywhere in the world on a TV in the US, Canada, Japan or Mexico. Plays PAL and SECAM tapes used in Europe and Middle Eastern countries. Switchable 110/240V power supply, auto-tracking, digital still-frame, 179-channel tuner, 2-week/7-event timer. Front-panel A/V input for easy camcorder hookup. Remote requires 2 "AA" batteries. *Special-order only—come in for details.* (TSP) **16-706** ..... **599.99**




Connects to your vehicle's battery through cigarette lighter.

### New Play it anywhere! AC/DC VHS videocassette player

Plays on both home AC and vehicle 12VDC, enabling you to enjoy VHS tapes on the road, on camping trips, even in your boat! Light and compact—won't take up valuable space. Just insert a tape for automatic playback. Features fast response to tape-motion commands, convenient visual search, and still-frame. Includes RF cord for easy hookup to a TV, plus AC and DC power cords. Remote requires 2 "AA" batteries. **16-419** ..... **199.99**



High-speed search—up to 27 times normal speed!

### Center-loading, 2-head VHS VCR with high-speed search

**Optimus Model 104.** High-speed search and fast response to tape-motion commands make it easy to find desired scenes on VHS home movies and prerecorded tapes. On-screen prompts in English/Spanish/French, real-time tape counter. 181-channel tuner, 1-year/8-event timer, Remote requires 2 "AA" batteries. (TSP) **16-541** ..... **199.99**




Shuttle dial provides precise control of tape motion.

### New Center-loading, 2-head VHS VCR with shuttle control

**Optimus Model 105.** Enjoy precise, "stop-on-a-dime" control of tape-motion commands thanks to the shuttle dial, plus all the most-wanted features. You get on-screen prompts in English/Spanish/French, convenient visual search and a real-time tape counter. 179-channel tuner, 1-year/8-event timer. Remote requires 2 "AA" batteries. **16-542** ..... **219.99**

Items on these two pages UL listed AC operation unless otherwise noted.
Dolby is a Reg. TM of Dolby Laboratories Licensing Corp.

# Answers for Special Needs

*Need a VCR for 8mm tapes? A recorder you can use overseas? A player you can take on the road? Look no further.*

**Buzz WORDS**

***SHUTTLE DIAL.*** *Provides precise control of tape motion, including search and video special effects.*

***CENTER-LOADING DESIGN.*** *Delivers a stable, jitter-free picture.*

***ON-SCREEN DISPLAYS.*** *Prompts on your TV screen simplify programming.*

***DOUBLE-AZIMUTH.*** *On 4-head models, optimizes clarity on SP and EP modes.*

***AUTO-CHANNEL.*** *Auto-stores channels active in your area.*

***MEMORY SENTINEL™.*** *Radio Shack exclusive. Provides up to 1-hour clock/channel memory backup in case of power loss.*



### Computer Animation

**The Gateway to the Mind's Eye.** Music by Thomas Dolby. In Dolby Surround sound.
**50-3026** ..... **24.99**
Beyond the Mind's Eye. **50-3023** ..... **24.99**
Mind's Eye II. 8mm. **50-3021** ..... **29.99**

World Radio History

# Introducing six new 4-head VHS VCRs.






## New With 19-micron heads to enhance EP playback

**Optimus Model 106.** Thanks to four heads, you'll enjoy high-quality video effects. And with new 19-micron head design, you'll see a real improvement on tapes recorded in the EP mode. Shuttle control for easy, precise control of tape motion. Automatic picture noise reduction, fast rewind, on-screen programming. Remote requires 2 "AA" batteries. (TSP) **16-543** ..... **249.99**

### Buzz Words

*4-HEAD DESIGN. Provides clearer and more stable variable-speed slow-motion, search and freeze-frame viewing.*

*SHUTTLE CONTROL. Rotary knob provides easy, precise control of tape motion, including search and video special effects.*

*VHS HI-FI STEREO. Experience the rich stereo sound you've been missing on rental tapes and broadcast TV. VHS Hi-Fi Stereo VCRs connect to your home stereo system.*






*Remote also operates most TVs and cable boxes.*

## New With multi-brand remote control, skip search

**Optimus Model 107.** This 4-head VCR has skip search, the easy way to zoom past recorded commercials. Just touch a button to fast-forward the tape in 30-second increments. Shuttle control, 19-micron head design for superior EP-speed video, automatic head cleaning. Front A/V inputs for easy camcorder /VCR dubbing hookup. Remote requires 2 "AA" batteries. (TSP) **16-544** ..... **269.99**






*Automatic timer recording has never been easier.*

## New Built-in VCR Plus+®, automatic clock set*

**Optimus Model 108.** Want to tape an upcoming show? Just enter the VCR Plus+ number shown in most TV listings and this VCR does the rest. A signal from a local TV station (in most areas) even sets the clock and keeps it on time. Multi-brand remote, auto head cleaning, skip search, shuttle, front A/V jacks, 19-micron heads. Remote requires 2 "AA" batteries. (TSP) **16-545** ..... **299.99**






*The heart of a first-class home-theater system.*

## New VHS Hi-Fi Stereo and multi-brand remote

**Optimus Model 58.** Connect this 4-head VCR to your stereo system and enjoy full-range stereo sound on the programs you watch, the tapes you rent, and the shows you tape. You get shuttle control, handy skip search to zip past recorded commercials, fast rewind, automatic picture noise reduction, front A/V inputs. Remote requires 2 "AA" batteries. (TSP) **16-628** ..... **349.99**






*Auto Clock Set—No more "flashing 12:00" on the display.*

## New VHS Hi-Fi Stereo, VCR Plus+, auto clock set

**Optimus Model 59.** Step up to 4-head video, stereo sound, and extra convenience. Setting this VCR to tape an upcoming show is a snap with VCR Plus+. A local TV signal (in most areas) even sets the clock* and resets it for Spring/Fall time-change or AC power failures. All features of Model 58, above, plus fast 150x rewind. Remote requires 2 "AA" batteries. (TSP) **16-629** ..... **379.99**






*Sony Auto-Clock™ setting from TV broadcasts.*

## New Sony® VHS Hi-Fi Stereo with VCR Plus+, auto clock set and dual shuttle controls

**Sony SLV-740HF.** Use the shuttle control on this 4-head VCR or its remote for incredibly precise control of tape motion. With VCR Plus+, it's easy to tape upcoming shows—just enter the VCR Plus+ numbers shown in many TV listings. Provides convenient auto clock set, auto station ID, and auto titles where available. Unicommander® remote also controls many Sony TVs. 4 x 17 x 12 3/8". (TSP) **16-8430** ..... **399.99**

| Model Number | Cat. No. | Format | Video Heads | Special Features | Multi-Brand Remote | Front A/V Input Jacks | Skip Search | Enhanced Quick Rewind | Real-Time Tape Counter | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| Optimus 27 | 16-419 | VHS (Player Only) | 2 | Operates on Home AC Power or Vehicle DC Power | | | | | | 199.99 |
| Optimus 104 | 16-541 | VHS | 2 | On-Screen Programming, One-Touch Recording | | | ✔ | 120x | ✔ | 199.99 |
| Optimus 105 | 16-542 | VHS | 2 | Shuttle Control, On-Screen Programming | | | | 120x | | 219.99 |
| Optimus 106 | 16-543 | VHS | 4 | 19-Micron Heads for Superior EP Playback Quality, Shuttle Control | | | | 120x | | 249.99 |
| Optimus 107 | 16-544 | VHS | 4 | 19-Micron Heads, Automatic Head Cleaning, Shuttle Control | ✔ | ✔ | ✔ | 120x | | 269.99 |
| Optimus 108 | 16-545 | VHS | 4 | 19-Micron Heads, Auto Head Clean, Shuttle, VCR Plus+, Auto Clock Set | ✔ | ✔ | ✔ | 150x | | 299.99 |
| Optimus 58 | 16-628 | VHS Hi-Fi Stereo | 4 | 19-Micron Heads, Automatic Head Cleaning, Shuttle Control | ✔ | ✔ | ✔ | 120x | ✔ | 349.99 |
| Optimus 59 | 16-629 | VHS Hi-Fi Stereo | 4 | 19-Micron Heads, Auto Head Clean, Shuttle, VCR Plus+, Auto Clock Set | ✔ | ✔ | ✔ | 150x | ✔ | 379.99 |
| Sony SLV740HF | 16-8430 | VHS Hi-Fi Stereo | 4 | Auto Head Clean, Shuttle, VCR Plus+, Auto Clock Set | | | ✔ | ✔ | ✔ | 399.99 |
| Optimus 800 | 16-654 | 8mm Hi-Fi Stereo | 2 | Flying Erase Head, Stereo TV Sound Plus SAP | | Front & Rear | | | ✔ | 399.99 |
| Optimus 801 | 16-655 | 8mm Hi-Fi Stereo | 3 | Flying Erase Head, Super-Compact Size | | | | | ✔ | 499.99 |
| Optimus 36 | 16-706 | VHS Multistandard | 2 | Plays Foreign VHS Tapes, Switchable 120/240VAC Power Supply | | ✔ | | | | 599.99 |

Optimus VHS and VHS Hi-Fi Stereo VCRs have easy on-screen programming in selectable English, Spanish or French. Dimensions of Optimus VCRs on page 102: 3 3/8 x 14 15/16 x 11".
Sony and Unicommander are registered TMs of Sony Electronics, Inc. VCR Plus+ is a TM of Gemstar Development Corp. *Auto Clock Set may not be available in all areas. See store for details.

World Radio History

# Home Video Made Easy




*Extra-large color monitor swivels to make shooting easy from any position.*

## Compact 8mm camcorder with 3" color LCD monitor

Optimus Model 161 MovieCorder®. A large, easy-to-position *full-color* monitor helps you get exactly the shots you want, then enjoy instant replay. Digital autofocus and a 2-speed, 8x power zoom deliver clear, dramatic closeups. You'll enjoy superior playback—with sound—thanks to a built-in speaker, plus search and still-frame effects. You get a wireless remote for convenient control during playback and while dubbing, digital white-balance for true-to-life color, a flying erase head for seamless transitions between video segments, and indicators for low light, battery level and tape remaining. Ready to use right out of the box—includes $79.99-value deluxe carry/storage case, AC adapter/charger, and rechargeable battery. (TSP) **16-862** ..... 899.00

**Sports jacket.** (16-2020 CMC) **RSU 10456085** .. 179.99
**Sun hood.** (16-2021 CMC) **RSU 10456093** ..... 49.99
**Car adapter.** (16-2022 CMC) **RSU 10456101** ... 109.99
**A/V pack.** (16-2023 CMC) **RSU 10456119** ..... 29.99



**Spare battery packs.** Don't miss that special moment. With a spare battery you can keep on shooting—use one battery while you're charging up another.

**8mm camcorder battery. 23-215** ..... 29.99
**High-capacity 8mm battery. 23-216** ..... 49.99
**Battery for RCA/Hitachi. 23-217** ..... 39.99
**Battery for Canon/SunPak. 23-218** ..... 39.99
**12-volt VHS camcorder battery. 23-183**... 39.99
**9.6-volt VHS camcorder battery. 23-186**.. 39.99
**12V, 2.3 Ah camcorder battery. 23-187** .. 39.99
**12V, 2 Ah camcorder battery. 23-287** .... 29.99
See page 213 for a more detailed listing of camcorder batteries.

**New Camcorder battery checker.** Test your battery *before* you start shooting. **22-094** ... 12.99



**Soft mini-case.** Protect your camcorder and add extra storage with this tough but lightweight case. Shoulder strap. **16-2012**..... 39.99



**Fluid-head tripod.** Weighs only 3 lbs., yet it's extra-sturdy, gives your videos that "pro" look. Geared column. 58" extended, 24 3/8" collapsed. **16-2017** ..... 49.99



**15-watt light with bracket.** Powered by camcorder's battery. Fits most camcorders with rear-mounted 6-volt battery. **16-2030**..... 29.99

## New Full-size VHS camcorder with digital 24x zoom

Optimus Model 130. The 24x digital zoom allows you to shoot dramatic, truly professional looking close-ups of distant subjects. Plus, there's no adapter needed when you want to play back your videos—just pop them into any VHS VCR. Choose this camcorder if you want to play back videos immediately, or share them with family and friends. Features 1-lux sensitivity for shooting in low light, plus auto-focus, auto-iris and auto white-balance for easy operation. Flying erase head and 3-way A/V fade in/out give you pro-looking cuts between scenes. Has auto wind-filter for clear sound on videos you shoot outdoors; auto and manual high-speed shutter for clear recordings of high-speed action; edit-search and title superimposer. 8 1/16 × 4 3/8 × 12 1/4". Includes rechargeable battery, AC adapter/charger with battery conditioner, shoulder strap. (TSP) **16-830** ..... 699.00






*Capture more emotion, more excitement than ordinary zoom*

**Spare battery.** (T16-8P67 CMC) **RSU 11449154** ..... 74.99
**DC adapter.** (T16-CC70A CMC) **RSU 11449170** ..... 89.99
**RF adapter.** (T16-RF80A CMC) **RSU 11449220** ..... 49.99
**Tele/wide conversion lens.** (16-2339 CMC) **RSU 10508000** ..... 69.99
**Lens filter kit.** (T16-46MM CMC) **RSU 10101889** ..... 29.99

## New Palm-size 8mm camcorder with 24x digital zoom

Optimus Model 163. Just point and shoot—"fuzzy logic" technology brings you consistent clarity and lifelike color. Digital 24x zoom gives videos a "pro" look. Flying erase head, edit-search, 1-lux sensitivity, alkaline battery capability. 4 3/8 × 4 11/16 × 8 1/16". With Ni-Cd battery, AC charger, A/V cable. (TSP) **16-864** ..... 699.00



**Spare battery.** (T16-8P84 CMC) **RSU 11449162** ..... 74.99
**DC adapter.** (T16-CC80A CMC) **RSU 11449188** ..... 89.99
**A/V input cable.** (T16-CH90IN CMC) **RSU 11449196** ..... 24.99
**Synchro-edit ouput cable.** (T16-CH95 CMC) **RSU 11449204** ..... 54.99
**RF adapter.** (T16-RF86A CMC) **RSU 11449238** ..... 49.99
**DC light.** (T16-CP4 CMC) **RSU 11449212** ..... 59.99
**Wireless remote control.** (T16-RME55A CMC) **RSU 11449246** ..... 34.99
**Tele/wide conversion lens.** (16-2339 CMC) **RSU 10508000** ..... 69.99
**Lens filter kit.** (T16-46MM CMC) **RSU 10101889** ..... 29.99

## New Palm-size VHS-C camcorder with 4-speed 14x power zoom

Optimus Model 162. Only 4 5/8 × 4 1/4 × 6 7/8", it's easy to carry and use, yet loaded with features. Four-speed 14x zoom takes you smoothly from wide-angle to dramatic telephoto shots. You control zoom rate by the pressure you put on the buttons. Auto-focus ensures clear pictures from 1/2" away to infinity. Manual focus is available for unusual conditions and special effects. Edit standby lets you pause up to 24 hours while recording for seamless cuts between scenes. One-touch auto-fade, backlight button for shooting subjects against lighter backgrounds, high-speed shutter, 1-lux low-light sensitivity, LP and SLP speeds. Includes rechargeable battery, AC adapter/charger, A/V cable, VHS cassette adapter, shoulder strap. (TSP) **16-863**, 699.00



### Accessories for Model 162

**Mounting shoe adapter.** (16-2024 CMC) **RSU 11287018**, 9.99
**Spare battery. 2.4 Ah.** (16-2025 CMC) **RSU 11289675** .. 59.99
**Video light.** (16-2026 CMC) **RSU 11289683** ..... 19.99
**RF adapter.** (16-2027 CMC) **RSU 11289691** ..... 39.99
**Vehicle DC adapter.** (16-2028 CMC) **RSU 11371937** .... 42.99
**VHS-C adapter.** (T16-TA3 CMC) **RSU 10102051** ..... 29.99



## New Sony Handycam® 8mm hi-fi stereo with SteadyShot™

Sony CCD-TR83. SteadyShot eliminates shaky pictures caused by unsteady hands, while maintaining quality. Advanced 470,000-pixel imaging delivers incredible clarity. *Full-color* viewfinder, precise 24x digital zoom, digital A/V fader and flying erase head for smooth cuts between scenes. Seven video effects. 4 3/8 × 4 1/2 × 8 1/2" Includes remote, Ni-Cd battery, AC charger, A/V cable. **16-8408** ..... 899.00

For best results, use Radio Shack video recording tape—see page 104. Handycam and SteadyShot are trademarks of Sony Electronics, Inc.

World Radio History

# Video Tape & More



### VHS High-Standard

**T-120.** High-density formula. Records up to 6 hours.
Each. **44-460** ..... **2.99**
3-Pack. **44-461** ..... **7.99**
5-Pack. **44-462** ..... **12.99**



### VHS Pro High-Grade

**T-120.** Premium fine-particle formulation reduces dropouts while improving detail. Up to 6 hours recording time.
**44-465** ..... **6.99**



### Camcorder cassette

**T-30.** Premium fine-particle formulation ensures rich colors, crisp detail and crystal clear audio. Up to 1½ hours recording time.
**44-466** ..... **6.99**



### High-grade VHS

For exceptional resolution and color reproduction.
**T-120.** Records up to 6 hours.
**44-463** ..... **3.99**
**T-160.** Records up to 8 hours.
**44-414** ..... **8.99**



### Super VHS

Multilinear particle construction provides unsurpassed performance. Up to 6 hours recording time.
**44-413** ..... **12.99**



### Beta L-750 cassette

Delivers quality you'll continue to notice, even after many playbacks. Up to 4½ hours recording time.
**44-480** ..... **5.99**



### High-Grade 8mm SUPERTAPE®

**HG-120.** High-grade metal coating provides up to a 25% improvement in picture and sound quality over standard tape. Up to 4 hours recording time. **44-452** ..... **8.99**
**HG-30.** Up to 1 hour recording time. **44-456** ..... **4.99**
**HG-60.** Up to 2 hours recording time. **44-457** ..... **5.99**
**MP-120.** Metal-particle formula for excellent clarity. Up to 4 hours recording time. **44-451** ..... **7.99**
**HG-150.** Up to 5 hours recording time. **44-453** ..... **10.99**



### VHS-C TC-20

Delivers true colors play after play. Up to 1 hour recording time.
**44-430** ..... **4.99**



### TC-20 Pro

High-grade for VHS-C camcorders. Up to 1 hour recording time.
**44-433** ..... **5.99**



### TC-30 Pro

High-grade VHS-C for master recordings. Up to 1½ hours recording time
**44-432** ..... **7.99**



### Deluxe VHS winder

Rewinds and fast-forwards at counterbalance-controlled speed to prevent excess tension on tapes. Digital counter, auto-stop, auto soft-eject. **44-1201** ..... **29.99**



### 8mm winder

Use at home, or rewind/forward on the go with most 8mm camcorder batteries. Infrared sensor-controlled auto-stop. Soft-eject mechanism. **44-1139** ..... **39.99**



### VHS winder

Counterbalance-controlled rewinding mechanism. Automatic stop, soft-eject and power-off. UL listed AC.
**44-1200** ..... **19.99**

*QUESTION:*
*What can I do to extend the life of my VCR?*

Q&A

*ANSWER:*
*Take these steps: Cover it with a dust cover when not in use. Clean tape heads with a VCR cleaning kit every 10 hours of play. Reduce motor wear by using a rewinder at the end of play. And always keep your VCR connected to an AC spike protector.*



### Deluxe VCR cover

Quilted material protects against dust while allowing heat and moisture to escape. **44-1183** ..... **9.99**



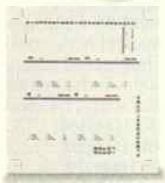
### VHS wet

Nonabrasive. Cleans tape head, capstans, rollers, guides. With fluid.
**44-1213** ..... **12.99**



### Bulk eraser

Fast and efficient. Perfect for video and audio tapes, including metal. UL listed AC.
**44-233** ..... **31.99**



### Relabeling kit

Ten adhesive label sets. For VHS or Beta tapes.
**44-1103** ..... **1.79**



### VHS wet/dry

A fast and effective way to dissolve and remove deposits on VHS tape heads.
**44-1143** ..... **9.99**



### Our best VHS cleaner

30,000 filaments gently clean where others can't reach.
**44-1203** ..... **16.99**



### Our best for 8mm

Same as above, for 8mm camcorders and VCRs.
**44-1204** ..... **14.99**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).

World Radio History

# We Put You In Control

*Escape the remote "jungle"! These preprogrammed remotes work with most popular brands of A/V components. They're just the thing to reduce living room clutter or to replace lost and broken remotes.*




## Eliminate Remote Clutter!




Available Nov. 1995

### New Pocket 3-in-1 remote

(1) Features only the controls you use the most—buttons are bigger and spaced wider apart so they're easier to see and use. Preprogrammed: just enter a 5-digit code from the included list for your TV, VCR and cable box, and it's ready to go. Requires 2 "AAA" batteries. **15-1915** . . . . . **14.99**

### New 3-in-1 with channel scan

(2) Scan feature lets you "channel surf" at the touch of a button. Replaces the remotes for your TV, VCR and cable box with a single one that controls all three. Just enter a code for each of your components from the included list and you're set. Requires 2 "AAA" batteries. **15-1916** . . . . . **19.99**

### 4-in-1 with lighted keypad

(3) No more fumbling around in the dark. Light-up keys are easy to read in dim light or dark—great for home theater enthusiasts. Simple one-step programming. Controls TV, cable box, VCR and one more component. Requires 4 "AAA" batteries. **15-1911** . . . **29.99**

### Full-featured 5-in-1 remote

(4) Provides full VCR function controls including display, tracking, tape speed control and quick-timer-record button. No complicated programming—enter a 3-digit code from the included list. Will control up to five audio and video components. Requires 4 "AAA" batteries. **15-1908** . . . . . **29.99**

### 6-in-1 remote does it all

(5) Controls up to six audio/video components and also works with optional Radio Shack Plug 'n Power® remote system to control lights and appliances in and around your home. To program, enter the 3-digit code for each component from the included list. Requires 4 "AAA" batteries. **15-1905** . . . . . **39.99**

### New 6-in-1 room-to-room system

(6) Control your A/V system from any room in your home, even from patio or poolside! Remote sends infrared and RF signals to the command console, which relays the signals to your components. Works right through walls! It's preprogrammed, so set-up is easy. And there's an 800-number for help and over-the-phone upgrades. You can even use it to control lights and appliances with an optional Plug 'n Power control system. 100-ft. range. Console UL listed AC. Remote requires 4 "AAA" batteries. **15-1919** . . . . . **79.99**

Use Radio Shack long-life alkaline batteries in remotes for best results—see page 211

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# Upgrade your video lifestyle.



## Get More Control

*We can help you get the most out of your video system.*

**New VideoGuide™ on-screen program guide with one-touch VCR programming, sports and news reports**

The easiest way to watch TV yet! With VideoGuide, you can view 7 days of program listings right on your TV screen. Get complete program descriptions, including episode and movie summaries, stars, ratings and show times. To change channels, simply select a program and click the remote. See something you want to record with your VCR? Just select a program from the screen and press a button—your VCR will record it at the proper time—automatically! VideoGuide also delivers the latest sports, news and weather stories right on your TV. You can even check your local weather forecasts. Works with any TV or VCR. No cable service required. For a low-cost subscription, VideoGuide brings you information over the pager network. Comes with a 30-day free subscription to all information services. **15-1980*** ..... **99.99**

*May not be available in all areas. Check with your Radio Shack for details.

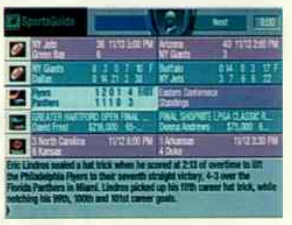


*The TV ProgramGuide shows 7 days of TV listings—choose what you want to watch or tape.*




**Home video editor makes editing your "home movies" easier than ever before!**

"All thumbs" when it comes to video editing? Here's powerful help! Just connect the Easy Home Video Editor to your camcorder and VCR and you're ready. You do the creative work—editor does the detailed, technical work, recording desired portions on the new tape in the same order they appeared on the original. Use the "thumbs-up" button when you see video you want to keep; press the "thumbs-down" when you see material you'd rather forget. The Easy Home Video Editor even adds "fade-to-black" between segments if you desire. Because your edited tape is made from the original, you get the best possible video quality. A built-in video enhancer increases the sharpness of the image. Works with virtually all camcorders and VCRs. Includes instructions designed to get you started quickly and simply. (TSP) **15-1963** ..... **199.99**



*The SportsGuide continually tracks the scores of major professional and college games.*



*The NewsGuide brings you regional, national and international news right off the wire.*



**Video enhancer/stereo audio mixer lets you add soundtracks to your home video productions**

Now you can maintain optimum picture quality when you make copies of your home video recordings. But that's not all—you can record from one tape to another, adding a variety of sounds. The stereo audio mixer lets you add stereo background music or narration to your recordings for that "professional-quality" flair. The video enhancer control maintains picture detail during dubbing, which is especially useful for producing third-generation tapes (copies made from copies) or copying tapes made at slower recording speeds. Simple to connect and easy to operate. Slide controls for audio mixing. Audio/video inputs, video out and headphone jack. **15-1961** ..... **59.99**



**70-channel remote-control cable TV converter**

Why rent when you can have your own converter box, complete with infrared remote? Features scan and direct-entry tuning, previous channel flashback and sleep timer. Use the remote for fine-tuning, on/off. Channel 3 or 4 output. Works with most cable systems. Will not descramble. Remote requires one 9-volt battery. **15-1287** ..... **99.99**



**Pro-feature video processor enhances sound and picture quality on home video dubs, even rented tapes**

Fight signal loss when dubbing between VCRs! Our advanced video processor gives you precise control over sound and picture quality—ideal for enhancing rented tapes and it's the perfect tool for home editors. Use sharpness control to enhance edge definition and picture detail. You can adjust color hues and color intensity, even boost or soften sound volume up to 20 dB. (TSP) **15-1962** ..... **99.99**

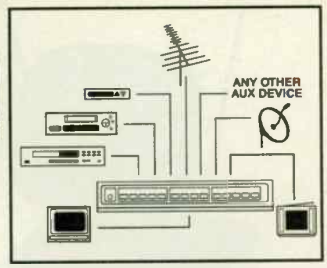
Equipment on these two pages includes manuals with easy-to-follow instructions.

World Radio History



### End cable swapping! Amplified video selector

Simplifies the connections between your video sources and your TVs or VCRs. You can connect up to five video signal sources and up to three TVs or VCRs. Then, with the press of a button, you can select any one of the video signal sources for viewing or recording on each TV or VCR. Five input jacks let you connect up to five standard video signal sources, such as a VCR, a video disc player, a satellite receiver, a TV antenna and cable TV. Three output jacks let you sent the signal sources to




up to three TVs or VCRs, so that you can view or receive from any device at the same time. Three built-in amplifiers eliminate almost all signal loss caused by switching and splitting of the TV signals, and still maintain the separation between output signals. Coaxial connectors provide secure, reliable connections. High isolation helps ensure that your video sources do not interfere with other devices. 12 dB amplification. 75-ohm cable inputs/outputs.
**15-2100** ..... **79.99**

# *Pull It All Together the Easy Way*

*As your video equipment and your taping and viewing needs expand, you need a simple way to connect and switch between different sources and outputs. Our selector boxes let you connect and switch instantly between cable, VCR, satellite dishes, laser disc players and more. Stop plugging and unplugging cables—get your complete system set up today!*




### Video A-B switch with infrared remote-controlled switching

Switch between two video sources—laser disc player, VCR, cable box, antenna or satellite system—with the included remote or your universal remote control, without leaving the comfort of your chair. All electronic, won't wear out like mechanical switchers. 75-ohm inputs/outputs. Remote requires 2 "AA" batteries.
**15-1957** ..... **39.99**



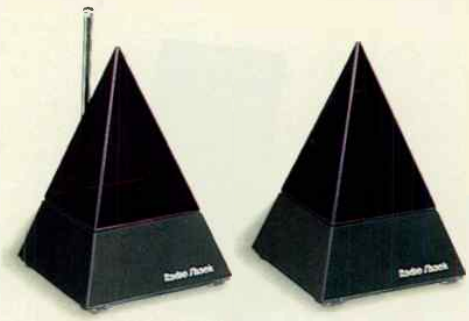

### Amplified stereo A/V selector

Stop swapping cables! This handy little selector box lets you just push a button to route audio and video signals from any of four sources—cable, satellite dish, VCR or laser disc player—to a TV and VCR. You can even view one source at the same time you're recording another. Amplifies the video signal for a superb picture. Comes with four sets of RCA line-level inputs for video, left and right audio. Two line-level outputs. (TSP) **15-1951** ..... **39.99**




### 5-input video selector ends cable swapping

A compact, time-saving control center for your home video system. Just push a button to select between several video sources and monitors to record and view—without swapping cables—to up to two video sources. Two banks of pushbuttons let you select and record from any of five sources (antenna, cable, VCR, two aux) independently. Directs video signal to TV for viewing and VCR for recording. With 75-ohm connectors. **15-1266** ..... **39.99**




### Wireless infrared remote extender for stereo/TV/VCR

Boost the range of any video or audio component's existing remote, and you control your video or audio equipment from any room in the house—up to 100 feet away! Transmitter sends your commands wirelessly. Send commands from a remote viewing or listening room. **15-1959** ..... **49.99**




### Stereo A/V selector lets you switch between four sources

Expand the versatility of your stereo audio/video system with additional input jacks, and eliminate cable swapping. Just push a single button to choose between antenna, cable, satellite dish, VCR, laser disc, camcorder and any other video component to output to any TV or VCR. You can also connect stereo audio components like compact disc players. Comes with four sets of RCA line-level inputs for video, left/right audio. Line-level output.
**15-1956** ..... **24.99**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability)

World Radio History

# Big selection of indoor antennas for TV and FM.



### High-gain TV/FM

**Color Supreme 200.** Up to 20 dB boost. Normal/boost switch prevents overloading. 12-position fine-tuning control. Rotary control steers elements. 3-foot, 75-ohm cable for hookup to VCR plus 300-ohm terminals for flat-wire cable. Includes UL listed AC adapter. **15-1831** ..... **59.99**



### Amplified TV/FM

**Color Supreme 210.** Boosts signals 12 dB. Normal/boost switch prevents overloading. Has 12-position fine-tuning. Rotary control positions rod and dish. Color-coded 300-ohm flat-wire leads plus 75-ohm coax-cable terminal. With AC adapter. **15-1834** ..... **49.99**

## *Improve Your Reception— Hassle Free*

*Enjoy better TV and FM reception in apartments, dorm rooms, and homes where an outdoor antenna is impractical or unnecessary. Our big selection of easy-to-connect indoor antennas offers features to meet almost every need.*

*QUESTION:*
*What should I consider when selecting an indoor antenna?*

Q&A

*ANSWER:*

*There are several considerations in choosing an indoor antenna—some of which may be more important to you than others.*

*One is your location. Consider an amplified antenna to improve reception in "fringe" areas or crowded urban areas where signals can reflect off surrounding buildings. We have amplified antennas for both set-top and wall-mounting.*

*Also consider the type of hookup you need. Some of our indoor antennas feature 75-ohm (round coaxial) cable for connection to cable-ready TVs and VCRs. Others have 300-ohm (flat-wire) leads for hookup to VHF and UHF antenna screw-terminals. (See chart on page 109.) Any questions? Your Radio Shack store associate is ready with the answers and advice you need.*



### Amplified TV/FM

**Color Supreme 170.** Up to 10 dB signal gain. Normal/boost switch prevents signal overload. Mounts on wall with included hardware. 12-position fine-tuning control. 3-foot, 75-ohm cable. UL listed AC adapter. **15-1828** ..... **39.99**



### Rotatable TV/FM

**Color Supreme 150.** Rotary control allows you to position VHF and UHF elements without turning base. 12-position fine-tuning control. Has color-coded 300-ohm flat-wire leads for hookup to VHF/UHF antenna terminals on TV/VCR. **15-1826, 29.99**



### Rotatable TV/FM

**Color Supreme 100.** Rotary control positions VHF and UHF elements without turning base. 12-position fine-tuning control. Has 3-foot, 75-ohm coax for hookup to cable-ready TVs/VCRs, plus 300-ohm flat-wire terminals. **15-1825** ..... **24.99**



### Portable amplified TV/FM

For home or road—the pocket-size solution for poor reception. Boost/normal switch helps prevent signal overloading. Built-in amp boosts television and FM signals. Three-position stand for stability. With UL listed AC adapter. Amplifier requires 2 "AA" batteries for portable operation. **15-1607** ..... **24.99**




### Amplified FM antenna with AM

Compact, attractive and effective. Low-noise FM amplifier has gain control for best reception of FM signals. May be easily positioned for best AM. Includes UL listed AC adapter, matching transformer. Connects in seconds to any receiver with antenna terminals. 4 7/8" high. **15-1832** ..... **39.99**



### FM amplified antenna

Low-noise, high-gain FM amplifier boosts FM signals. Fine-tuning control lets you "zero in" on difficult-to-receive stations. High/low gain switch prevents overloading on strong signals. 75-ohm output. Easily connects to FM receiver. Includes UL listed AC adapter. **15-1833** ..... **29.99**

NOTE: VHF (very high frequency) is TV channels 2 through 13. UHF (ultra high frequency) is TV channels 14 through 83.

World Radio History

# More antennas to improve your reception.



## Adjustable TV/FM

**Color Eagle® 100.** Features adjustable UHF elements and a fine-tuning control to help optimize VHF/FM signals and cut "ghosts." Can be wall-mounted with included bracket. Has color-coded 300-ohm leads.
**15-1808** ..... **19.99**



## TV/FM antenna with UHF reflector

**Color Eagle.** Adjustable UHF-TV reflector dish plus a 12-position fine-tuning control to improve signal quality on VHF-TV and FM stereo. 300-ohm leads for hookup to TV's UHF and VHF terminals. **15-1807** ..... **15.99**



## FM antenna with phasing control

Improves the performance of any stereo FM receiver or FM radio that has antenna terminals. Phasing control helps reduce multipath distortion. Delivers stronger signal than built-in antennas. 300-ohm output. **15-1823** ..... **12.99**



## Plug-in TV/FM

Converts the AC wiring in your home into a giant antenna for TV and FM. Great for strong-signal areas. Covers TV channels 2-69 and FM. Just plug into AC outlet and connect to your TV, VCR and/or FM receiver. 75-ohm output. **15-1835** ..... **12.99**



## TV/FM antenna

A great value! Combines 36"-long telescoping VHF/FM rod elements and a specially designed loop for UHF-TV. 12-position fine-tuning control. Color-coded 300-ohm leads for hookup to TV's VHF and UHF terminals.
**15-1819** ..... **10.99**



## Budget VHF/UHF

Improve your TV reception at low cost. Features polished chrome telescoping VHF elements. The 12-position rotary fine-tuning control helps minimize "ghosts." 300-ohm leads for hookup to TV's VHF and UHF elements.
**15-1806** ..... **8.99**

## TV reception problem solvers!

(1)



**(1) Amplifier for indoor TV/FM antenna.** Converts set-top antenna into an amplified antenna for UHF/VHF-TV/FM. 10 dB boost. 300-ohm input.
**15-1104**..... **19.99**

(2)



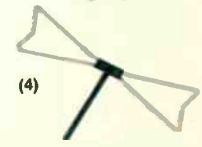
**(2) UHF double bow-tie antenna.** Dual-element UHF set-top antenna outperforms loops. 300-ohm hookup.
**15-623** ..... **15.99**

(3)



**(3) UHF loop.** Replacement for missing back-of-set UHF loop antenna.
**15-233** ..... **1.79**

(4)



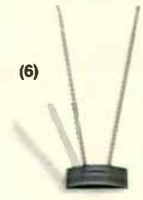
**(4) UHF outline bow-tie.** Super-easy to install—snaps on VHF antenna rod.
**15-234** ..... **2.79**

(5)



**(5) VHF dipole.** Exact replacement for many back-of-set snap-in VHF-TV antennas. Rotatable telescoping elements. 300-ohm hookup.
**15-235** ..... **4.99**

(6)



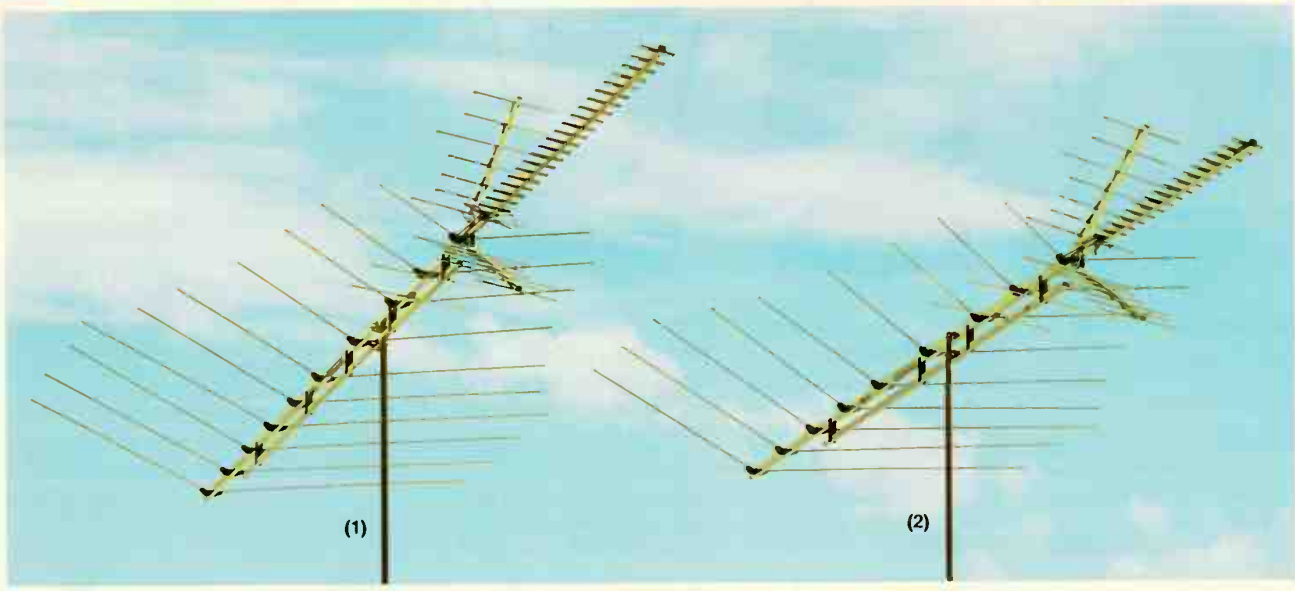
**(6) Classic VHF-TV/FM top-of-set antenna.** Adjustable telescoping rod elements. Base features a protective non-skid material.
**15-1827** ..... **5.99**

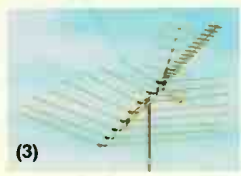
| Cat. No. | Page | Usage | | | Rotary Control | Hookup | | Signal Boost | Price |
|---|---|---|---|---|---|---|---|---|---|
| | | UHF | VHF | FM | | 75-ohm | 300-ohm | | |
| 15-1806 | 109 | ✔ | ✔ | | ✔ | | ✔ | | 8.99 |
| 15-1819 | 109 | ✔ | ✔ | ✔ | ✔ | | ✔ | | 10.99 |
| 15-1823 | 109 | | | ✔ | ✔ | | ✔ | | 12.99 |
| 15-1835 | 109 | ✔ | ✔ | ✔ | | ✔ | | | 12.99 |
| 15-1807 | 109 | ✔ | ✔ | ✔ | ✔ | | ✔ | | 15.99 |
| 15-1104 | 109 | ✔ | ✔ | ✔ | | | ✔ | 10 dB | 19.99 |
| 15-1808 | 109 | ✔ | ✔ | ✔ | ✔ | | ✔ | | 19.99 |
| 15-1607 | 108 | ✔ | ✔ | ✔ | | mini plug | | 15 dB | 24.99 |
| 15-1825 | 108 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | 24.99 |
| 15-1833 | 108 | | | ✔ | ✔ | ✔ | | 8 dB | 29.99 |
| 15-1826 | 108 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | 29.99 |
| 15-1832 | 108 | | | ✔ | | ✔ | | | 39.99 |
| 15-1828 | 108 | ✔ | ✔ | ✔ | ✔ | ✔ | | 10 dB | 39.99 |
| 15-1834 | 108 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | 12 dB | 49.99 |
| 15-1831 | 108 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | 20 dB | 59.99 |

Note: VHF (Very High Frequency) covers TV channels 2-13. UHF (Ultra High Frequency) covers TV channels 14-83.

World Radio History

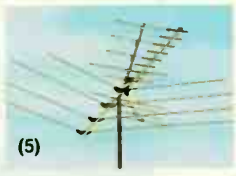
# Color Supreme Plus™—three antennas in one.
















## Our antennas are built better to last longer



*High tensile-strength aluminum for long life*



*Snap-open elements for "instant" assembly*



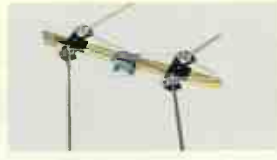
*Air-insulated multiple-drive system*



*Heavy-duty, high-impact molded insulators*



*UHF yagi and corner reflector combination*



*Strong square boom with "no-tilt" clamp*

## We're Your Antenna Headquarters

*Radio Shack has America's largest selection of attic, roof-top, and mobile antennas. Our High-Definition/ Stereo-Certified Color Supreme Plus models are three antennas in one—VHF, UHF and FM-stereo. All are factory assembled for easy installation.*

### *Built better to last longer*

*Color Supreme Plus antennas are built to withstand strong winds, icing, and extreme temperatures.*

*Each features a heavy-duty, high-impact molded insulator, air-insulated multiple drive system, and a UHF yagi and corner reflector combination.*

*The elements snap open for instant assembly, strong square boom has a no-tilt clamp, and high tensile-strength aluminum gives each antenna long life for years of use.*

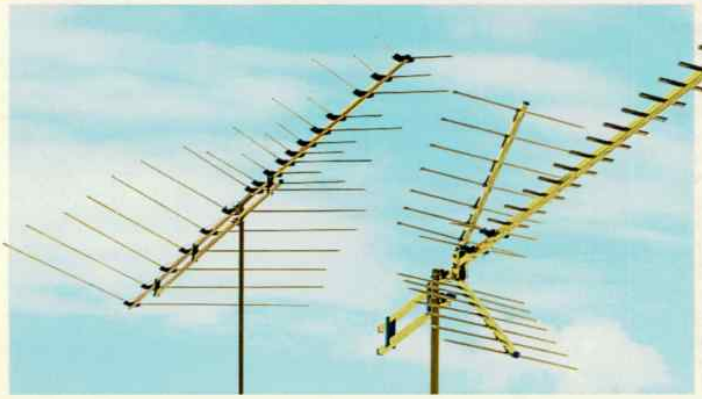
*Whether you live in the city, suburbs, or a rural area, we've got a rugged, built-to-last antenna that's right for you.*

## Select the Radio Shack antenna that's right for you

| Fig. | Model No. | Range in Miles* | | | Suggested Use | | | Boom Length | No. of Elements | Catalog No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | VHF | UHF | FM | City | Suburb | Rural | | | | |
| 1 | VU-210 XR | 210 | 135 | 135 | ✓ | ✓ | ✓ | 190" | 58 | 15-2157 | 129.99 |
| 2 | VU-190 XR | 190 | 100 | 100 | ✓ | ✓ | ✓ | 160" | 57 | 15-2156 | 99.99 |
| 3 | VU-160 XR | 160 | 100 | 100 | ✓ | ✓ | ✓ | 140" | 42 | 15-2155 | 79.99 |
| 4 | VU-120 XR | 120 | 90 | 90 | ✓ | ✓ | | 120" | 37 | 15-2154 | 59.99 |
| 5 | VU-110 XR | 110 | 90 | 90 | ✓ | ✓ | | 100" | 32 | 15-2153 | 49.99 |
| 6 | VU-90 XR | 90 | 70 | 70 | ✓ | ✓ | | 80" | 32 | 15-2152 | 39.99 |
| 7 | VU-75 XR | 75 | 50 | 50 | ✓ | ✓ | | 50" | 18 | 15-2151 | 29.99 |

*Estimated range, based on reception over flat and open terrain. Masts not included.

World Radio History



## VHF/FM-only and UHF-only outdoor antennas

Ideal for custom installations or when VHF-TV (channels 2-13) and UHF-TV (channels 14-69) signals come from different directions. Preassembled. (#15-2158 VHF/FM and #15-2162 UHF shown.)

| Cat. No. | Antenna Type | Range in Miles* | | | Boom Length | No. of Elements | Price |
|---|---|---|---|---|---|---|---|
| | | VHF | UHF | FM | | | |
| 15-2160 | UHF | | 75 | | 60" | 17 | 19.99 |
| 15-2161 | UHF | | 100 | | 80" | 26 | 29.99 |
| 15-2162 | UHF | | 120 | | 100" | 34 | 39.99 |
| 15-2158 | VHF/FM | 185 | | 110 | 160" | 34 | 69.99 |



## High-gain FM-stereo antenna

Increase your FM radio's reception range. Triple-drive directional antenna picks up signals from as far as 110 miles away*. Can be attic mounted without signal loss. Preassembled. **15-2163** ..... **19.99**



## FM stereo antenna

Improved FM/FM stereo reception at a budget price. Works in city or suburban areas. 360° pickup pattern—pulls in signals from up to 50 miles away*. Factory preassembled. **15-2164** ..... **14.99**



## Long-range VHF/UHF antennas

Specially designed for rural areas. Advanced, durable log-periodic design delivers high performance. Lower wind loading makes them your best choice for use in windy areas.

| Model No | Range in Miles* | | | Boom Length | No of Elements | Cat. No. | Price |
|---|---|---|---|---|---|---|---|
| | VHF | UHF | FM | | | | |
| LP-190 | 190 | 100 | 100 | 150" | 51 | 15-2165 | 99.99 |
| LP-210 | 210 | 120 | 120 | 180" | 57 | 15-2166 | 129.99 |



## Compact amplified antenna

Amplified antenna boosts UHF signal by 25 dB and boosts VHF/FM signals by 20 dB. Includes mounting hardware, UL listed AC adapter and DC adapter jack. **15-1611, 54.99**
**Vehicle DC adapter. 270-1534** ..... **5.99**



## Mobile VHF/UHF dipole antenna

Let your passengers enjoy broadcast television programs while traveling. It quickly installs on rain gutter or window and removes in seconds. Loaded fiber glass dipole elements. Includes coax lead-in cable. **15-1609** ..... **29.99**



## Compact attic/outdoor antenna

Highly efficient, 22-element design. Outstanding reception of VHF-TV channels 2-13, UHF-TV channels 14-69, and FM stereo. 70" boom. **15-2159** ..... **39.99**



## Amplified omnidirectional

Receives TV signals from different directions without a rotator. For home, RVs, trailers and boats. An FM trap filters out interference. UV-protected against weathering. Receives local FM only. Includes antenna, power supply and mounting hardware. **15-1618** ..... **99.99**
**RV-mount and DC power supply.** For mobile use. (15-2302 CMC) **RSU 10280055** ..... **24.99**



## Magnetic-mount mobile

This is our best mobile VHF/UHF-TV antenna. It's sleek and aerodynamic, and can be mounted magnetically or permanently on the roof or rear deck of your vehicle with the included hardware. It's safe for automatic car washes and can be painted to match vehicle. Comes with 14-foot coax cable and 300-ohm matching transformer. **15-1614** ... **49.99**



## Antenna rotator system

Aims antenna for the clearest TV and FM signals. Direction indicator. Fits 1¼" to 1¾" masts. UL listed AC. Requires 3-conductor cable. (TSP) **15-1225** ..... **64.99**

| We have the rotator cable you need | | | |
|---|---|---|---|
| No. Cond. | Feet | Cat. No. | Per Roll |
| 3 | 50 | 15-1149 | 5.99 |
| 3 | 100 | 15-1150 | 8.99 |
| 5 | 100 | 15-1201 | 13.99 |

Note: 5-conductor cable is for older, discontinued models.

*Estimated range, based on reception over flat and open terrain. Masts not included.

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**25-foot strap kit.** Two $^5/_8$" × 25-foot stainless steel straps for replacement or add-on. Ideal for large chimneys. Includes four eye bolts and complete mounting hardware.
**15-801** ..... 12.99

## Mast mounts for roof, vent pipe, chimney, eaves, walls

**(1) Base and roof mount.** Mast locks into exclusive-design U-bolt. The swivel base fits the slope of virtually any roof. Made of heavy-gauge steel.
**15-889** ..... 8.49

**(2) Vent pipe mount.** An alternative to chimney mounting for small antennas. Attach brackets to vent pipe, then clamp mast into place. For 2" to 5" vents. Heavy-duty steel.
**15-893** ..... 6.99

**(3) Universal mast anchor mount.** Heavy-duty U-bolt for easy swivel. For masts up to 1$^1/_2$" in diameter. (Mast must be guyed for roof and window installations.)
**15-888** ..... 4.49

**(4) 12" wall mounts.** Secures a mast of up to 1$^3/_4$" diameter at 12" from the side of building. Allows mast to clear eaves or other obstruction. Made of galvanized steel.
**15-885** ..... Pair 12.99

**(5) 8" wall mounts.** Holds mast of up to 1$^3/_4$" diameter at 8" from side of building.
**15-886** ..... Pair 9.99

**(6) 4" wall mounts.** Holds mast of up to 1$^3/_4$" diameter at 4" from side of building.
**15-883** ..... Pair 5.49

**(7) Eaves mount for hanging rafters or trim boards.** An alternative to roof and chimney mounting. Fits most medium-pitch roofs. Accepts mast to 1$^1/_2$" diameter. Includes four lag bolts.
**15-891** ..... 9.99

**(8) Chimney ratchet mount.** Provides secure mounting to chimney. Tightens with screwdriver. Includes two stainless steel straps, each $^5/_8$" × 18 feet. Accepts antenna mast 1" to 1$^3/_4$" diameter.
**15-839** ..... 17.99

**(9) Corner mounts.** Just the thing for chimney mounting. Two Y-mounts with $^5/_8$" × 10-foot, rust-resistant galvanized straps.
**15-527** ..... 12.99

**(10) 3-foot tripod mount.** Perfect for larger antennas in areas subject to strong winds. Fits slope of most roofs. Accepts antenna mast up to 1$^3/_4$" diameter. Preassembled.
**15-516** ..... 15.99




| Standoff insulators | | | |
|---|---|---|---|
| Fig. | Description | Cat | Each |
| 11 | 4 wood screw, 3½" | 15-853 | 1.49 |
| 12 | 4 wood screw, 6½" | 15-854 | 1.49 |
| 13 | 2 masonry type | 15-820 | 1.49 |
| 14 | 2 snap-grip type | 15-822 | 1.49 |
| 15 | 2 strap-on type | 15-823 | 1.49 |

# Everything You Need to Do it Yourself

*Radio Shack stocks the quality masts, mounts and hardware required for a long-lasting outdoor antenna installation. Come in today and we'll help you select what you need.*













## Telescoping antenna masts, roof base and ground mount

**(16)** Raises your antenna for stronger TV and FM reception. Sturdy interlocking sections will not pull out, twist or shake. Corrosion resistant galvanized steel construction. Clamp and guy wire ring provide firm support.
**19-foot mast.** Includes one 16-gauge, one 18-gauge section. **15-5065** ..... 39.99
**36-foot mast.** Includes one 16-gauge, three 18-gauge section. **15-5067** ..... 64.99
**(17) Roof base.** With bolt. **15-5068** ..... 6.99
**(18) Antenna ground mount.** Heavy-duty tap-in ground mount for antenna masts up to 36 feet tall.
**15-5069** ..... 9.99
**(19) Guy wire.** galvanized 6-strand, 18-gauge. 100 feet. **15-5070** ..... 7.99

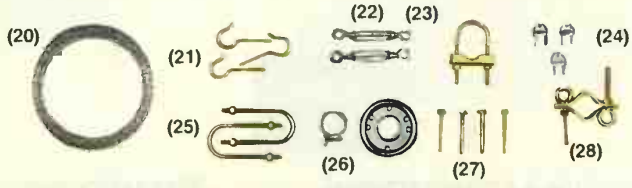


## Heavy-duty masts

**5-foot.** 16-gauge steel, enamel finish. 1$^1/_4$" dia. **15-842** ..... 5.99
**10-foot mast. 15-843** ..... 11.49

## Light-duty masts

**5-foot.** 20-gauge steel. Enamel finish. For use in attic or with smaller antennas. **15-844** ..... 5.29



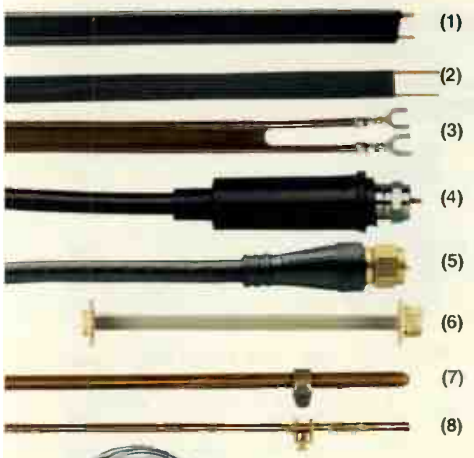

**Galvanized guy wire, wire anchors, turnbuckles, U bolts, clamps, guy ring, lag bolts and additional hardware**

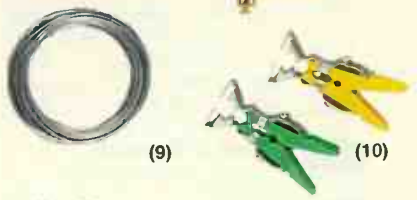
| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 20 | 50-ft galvanized wire | 15-030 | 1.99 |
| 20 | 100-ft galvanized wire | 15-031 | 2.99 |
| 21 | 3 guy wire anchors | 15-825 | 1.49 |
| | 2 guy wire turnbuckles 6" open, 4" closed | 15-829 | 1.99 |
| 23 | U bolt and clamp | 15-826 | 1.49 |
| 24 | 3 guy wire clamps | 15-850 | 1.49 |

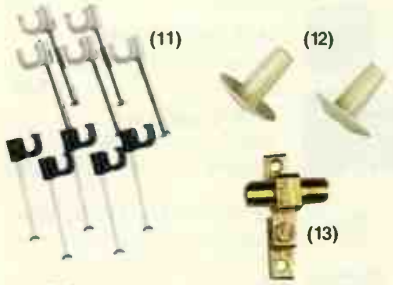
| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 25 | 2 U bolts with nuts | 15-830 | 1.49 |
| 26 | 1¼" guy ring and collar | 15-835 | 1.99 |
| 27 | Set of 4 hex lag bolts: ¼ × ½" for heavy-duty mounting | 15-833 | 1.49 |
| 28 | Guy wire mast clamp with bolts | 15-827 | 1.49 |

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores — ask about our ordering service (items subject to availability)

World Radio History




## Antenna installations are a snap with the correct hardware

(1) VHF/UHF 300-ohm foam cable. Low loss, with 20-ga. copper conductors and polyethylene jacket.
50 feet. 15-1174 ..... 5.99
100 feet. 15-1175 ..... 9.99

(2) Economy VHF/UHF 300-ohm cable. Lighter weight cable than (1). Indoor use.
40 feet. Brown. 15-004 ..... 2.49
40 feet. Clear. 15-1158 ..... 2.49
50 feet standard 300-ohm twin-lead. Indoor/attic use. 15-1153 ..... 3.59

(3) 8-foot twin-lead cable.
15-1532 ..... 2.49

(4) Shielded 75-ohm VHF/UHF foam coax assemblies. Prewired F connectors at ends.
50 feet. 15-1526 ..... 9.99
100 feet. 15-1527 ..... 15.99

(5) New High-quality RG/6 coax cable. For cable-TV and satellite hookups. Includes weatherproof connectors. 50 feet. 15-1548 ..... 14.99
100 feet. 15-1549 ..... 19.99

(6) "Wall-thru" lead-in tube. Seals walls up to 13" thick. 15-1200 ..... 2.79

(7) UL listed 8-foot ground rod and clamp. Copper plated. 15-529 ..... 16.99

(8) Economy ground rod. 4 feet long.
15-530 ..... 8.99

(9) Aluminum ground wire. Inhibits static buildup in rooftop antennas. 40-feet. 8 gauge. Use with ground rod (fig. 7). 15-035 ..... 3.99

(10) TV/FM antenna clips. Instant connect and disconnect of 300-ohm lead-ins at back of set. For temporary connections or service work.
15-832 ..... Set of 2/1.49

(11) New Coax nail-in clips. Weather-resistant. Secure 75-ohm coax cables on outside trim or interior baseboards. Black. 278-1660 ..... Set of 10/99¢
White. 278-1659 ..... Set of 10/99¢

(12) Coax feed-through bushing. For installation of coax cable through walls.
For RG59 cable. 278-1643 ..... Pkg. of 2/99¢
For RG6 cable. 278-1644 ..... Pkg. of 2/99¢

(13) Grounding block. Prevents static buildup in 75-ohm lead-in. 15-909 ..... 2.59

## TV/game switches




### 300-ohm TV switch

Switches from video games to TV without connecting and reconnecting antenna lead-in and game cable. Accepts 300-ohm TV antenna lead-in. Has 300-ohm TV output.
15-1255 ..... 4.49



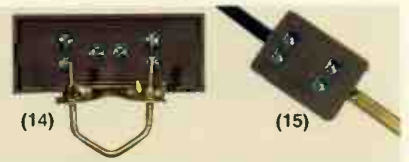

### 75/300-ohm antenna input switch

Makes it easy to switch between TV antenna and video game. Has 300-ohm TV output. Accepts 75-ohm or 300-ohm antenna lead-in.
15-1269 ..... 4.49




### 300/75-ohm signal/splitter switch

TV/video game switch with built-in signal splitter. Provides 300-ohm output for UHF, 75-ohm output for VHF.
15-1268 ..... 6.49




### Get more from your antenna

(14) Two-set indoor/outdoor splitter/coupler. Splits 300-ohm lead-in to two TVs. Reversible. 15-1135 ..... 3.99

(15) Indoor splitter. Splits UHF/VHF/FM outputs from one 300-ohm downlead. 15-1138 ..... 3.99



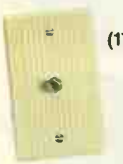
### Automatic TV and video game selector switch

No manual switch to reach and no cables to connect and reconnect. Automatically shunts antenna when you turn on video game. 75-ohm in/out. 15-1267 ... 8.99

# Video Hookups

*If you're adding an outside antenna, a cable outlet or a phone jack—ask us! Our salespeople will help you make the right connections.*



(17) **Private TV listener**

(16) Listen at any volume without disturbing others. Fits 1/8" headphone jack. Includes earphone, convenient remote volume control and extra-long 15-foot cord. 15-587 .... 4.29



(18) **Wall plates add a customized look to video installations**

Easy-to-install. Provide more secure connections, too.

(17) Wall plate for 75-ohm coax. A great finish to your installation. Includes hardware.
15-1180 ..... 4.29

(18) Wall plate for 75-ohm coax and antenna rotator. 5-wire rotator outlet. Includes plugs. 15-1181 ..... 4.99



(19) Wall plate for 75-ohm coax and phone. Standard modular phone jack and gold-plated coax connector combined in one plate.
15-1185 ..... 5.99



(20) Woodgrain 75-ohm wall plate. Adds style and covers mistakes. Includes mounting hardware. Low profile design.
15-1183 ..... 4.49



(21) 75-ohm dual-outlet wall plate. For custom video installations—put it where you need it. 15-1184 ..... 4.69



(22) Flush-mount TV antenna wall plate. For one 300-ohm lead-in. Includes mounting bracket and plugs. Quick and easy to install.
15-1186 ..... 2.99

(23) TV/wall-socket plugs. For 300-ohm lead-in plate. Fit fig. 22. 15-1178 .... Pkg. of 2/1.49



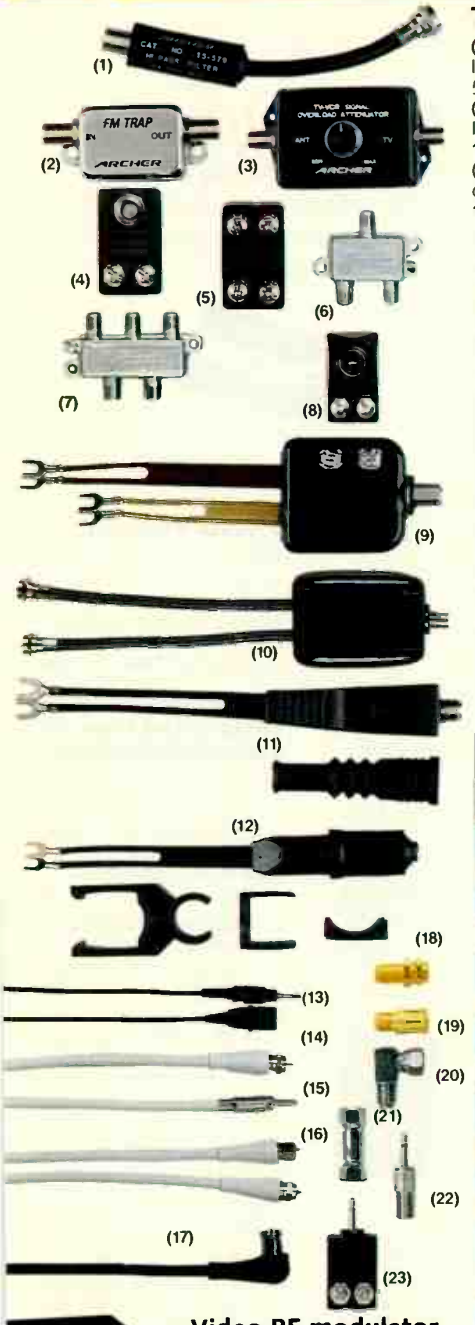

(24) Plug and socket. For 300-ohm lead-in connections. Ideal for splicing and extending a 300-ohm cable indoors.
15-1198 ..... Set 1.99



World Radio History

Apple Inc. Exhibit 1014 Page 99

# Split it. Match it. Combine it. Switch it.




## TV, VCR, & FM problem solvers

**(1) VCR/TV/FM filter.** Cuts CB/Ham interference. Installs at 75-ohm coaxial input of VCR, TV or FM. 54-900 MHz. **15-579** ..... 4.29

**(2) Coaxial inline FM trap.** Cuts FM interference. Reduces "herringbone" pattern. For 75-ohm line. **15-577** ..... 3.99

**(3) 75-ohm inline attenuator.** Reduces signal overload on TV or VCR. Adjustable for best picture. **15-578** ..... 6.49

## Splitters/combiners and matching transformers

**(4) Mini VCR/TV splitter/combiner.** 300/75-ohm inputs and 75-ohm output. **15-1296** ..... 3.49

**(5) Mini 300-ohm splitter.** 300-ohm inputs and 75-ohm output. **15-1297** ..... 3.49

**(6) Hybrid splitter/combiner.** Splits 75-ohm coax cable to two VHF/UHF outputs. F-connectors. Reversible. **15-1141** ..... 3.99

**(7) Four-set hybrid splitter.** Same as above, with four VHF/UHF outputs. **15-1142** ..... 6.99

**(8) Matching transformer.** 75-ohm to 300-ohm transformer. **15-1253** ..... 2.99

**(9) Transformer/splitter.** 75-ohm input, three 300 ohm outputs. For indoor use only. **15-1139** ..... 4.99

**(10) Signal splitter.** 75-ohm to 75-ohm VHF/UHF outputs. **15-1293** ..... 4.99

**(11) Indoor/outdoor matching transformer.** Matches 300-ohm antenna to 75-ohm coax downlead. Weather-resistant boot, reversible. **15-1140** ..... 2.79

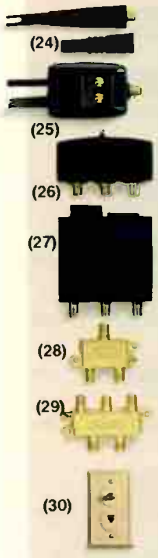
**(12) Antenna-mounted matching transformer.** As above, clips to antenna boom. **15-1143** ..... 3.99

### Coax cable and adapters

If you don't find what you need here, Radio Shack can custom-cut cable to meet almost any need.

| Fig | Description | Connectors | Cat. No | Each |
|---|---|---|---|---|
| 13 | Mini-TV Antenna Cable, 6 Ft. | ¼" Plug/Male F | 15-1511 | 4.99 |
| 14 | 75-ohm Coax, 16 Ft. White | Male F Screw Type | 15-1531 | 4.99 |
| — | 75-ohm Coax, 25 Ft. White | Male F Screw Type | 15-1534 | 6.49 |
| 15 | 75-ohm Coax, 8 Ft. | Male F/Motorola | 15-1528 | 3.99 |
| 16 | 75-ohm Coax, 8 Ft. | Male F Push-On | 15-1530 | 3.59 |
| — | 75-ohm Coax, 4 Ft. | Male F Push-On | 15-1529 | 2.79 |
| 17 | 75-ohm Coax, 6 Ft. | Male F Push-On | 15-1536 | 2.99 |
| 18 | Gold F-81 Coupler | Female F/Female F | 278-304 | 1.79 |
| — | F-81 Coupler | Female F/Female F | 278-213 | .99 |
| 19 | Gold Push-On Adapter | Female F/Male F | 278-291 | 1.99 |
| — | Push-On Adapter | Female F/Male F | 278-218 | 1.49 |
| 20 | Right Angle Adapter | Female F/Male F | 278-221 | 1.79 |
| 21 | Coupler | Male F/Male F | 278-219 | 1.49 |
| 22 | Adapter | Female F/Miniplug | 278-257 | 2.19 |
| 23 | 75/300 Ohm Adapter | ⅛" Miniplug | 15-1148 | 1.49 |

## Gold for the best connections!




**(24) New Indoor/outdoor matching transformer.** 75-300-ohm transformer. **15-1230** .. 3.99

**(25) New Signal splitter.** 75-ohm input, 75-ohm output for VHF, 300-ohm outputs for UHF/FM to 300-ohm outputs. **15-1231** ..... 6.99

**(26) New Mini A/B high-isolation switch.** Reversible. **15-1232** ..... 6.99

**(27) New A/B/C high-isolation switch.** Prevents signal interference. **15-1233** ..... 7.99

**(28) New Hybrid Splitter.** Splits 75-ohm coax to two VHF/UHF outputs. F-connectors. Reversible. **15-1234** ..... 4.99

**(29) New 4-Way Splitter.** Same as above, with four VHF/UHF outputs. **15-1235** ..... 7.99

**(30) Wall Plate.** For 75-ohm coax and phone. **15-1185** ..... 5.99



**Mini A/B switch**
75-ohm inputs and output.
**15-1247** ..... 4.99

**A/B high isolation**
Prevents signal interference.
**15-1249** ..... 6.99

**A/B/C switch**
High isolation, reversible.
**15-1248** ..... 10.99



**Resistors & attenuators**

**Terminating resistor.** F-type, 1–2 watt, 75-ohms.
**15-1144** ..... Pkg. of 2/1.29

**75-ohm DC block.** Protects against stray DC voltages.
**15-1259** ..... 1.49

**Inline 6dB attenuators.** 75-ohm male F and 75-ohm female F.
**15-1258,57** ..... 2.29

## VCR/TV signal splitters

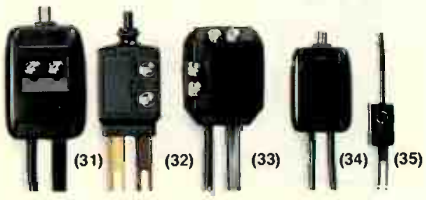
**(31) 75-ohm input.** One 75-ohm output for VHF. 300-ohm outputs for UHF and FM.
**15-1252** ..... 4.99

**(32) 75-ohm input.** Three 300-ohm outputs. F-connector. Six-foot cable.
**15-1524** ..... 5.99

**(33) 300-ohm input.** 75-ohm output for VHF. 300-ohm outputs for UHF/FM.
**15-1251** ..... 4.99

**(34) 75-ohm input.** 75-ohm VHF and UHF outputs.
**15-1293** ..... 4.99

**(35) 75-ohm input.** 300 and 75-ohm outputs, F-connector and six-foot cable.
**15-1522** ..... 4.99







## Video RF modulator

Converts line-level signals to VHF. 1000 and 75-ohm inputs, 75-ohm out. FCC registered. UL listed AC.
**15-1273** ..... 29.99




## AC interference filter cuts "snow"

Inline filter cuts interference caused by household appliances. Grounded 3-prong AC plug and outlet. UL listed AC. **15-1111** ..... 12.99




## New TV antenna and video source signal combiner

Eliminates the need for a separate video selector. Combines broadcast TV signal and signal from a video source (such as satellite receiver, cable box, VCR, laser disc) into one cable—lets you select the program source on channel 3 or 4 using your TV's tuner. 75-ohm in/out connectors.
**Channel-3 output. 15-1298** ..... 19.99
**Channel-4 output. 15-1299** ..... 19.99



World Radio History



### 2-way, 70-channel amp

Connects your antenna or cable to any two video receivers without loss of picture quality. Variable gain control boosts signals up to 20 dB for better picture and sound. Also reduces overload reception. UL listed AC.
**15-1960** ..... **26.99**



### VHF/UHF/FM signal amp

Helps stop weak signals and ghosts. Variable gain control boosts signals up to 20 dB and reduces overload signals to a safe level. Switchable FM trap cuts FM interference. Can be used with hybrid splitter to drive up to four TVs/VCRs. UL listed AC.
**15-1113** ..... **24.99**



### 4-set amplified coupler

Boosts VHF, FM, mid and superband cable TV signals to drive any combination of four TVs, VCRs or FM sets. Lets you use one antenna or cable box for the whole house. Has a 75-ohm input terminal and four 75-ohm output terminals.
**15-1119** ..... **15.99**



### New 30 dB TV/FM amp

Preamp and amplifier/power supply boosts VHF/UHF, FM and cable TV signals up to 30 dB. Switchable FM trap reduces FM interference. Also has a short circuit protection device with indicator light to protect the unit.
**15-1109** ..... **59.99**



### 70-channel TV amp

Variable gain control boosts signal up to 20 dB. Also prevents damaging signal overload. Can be used with hybrid splitters to drive up to 4 TVs/VCRs.
**15-1112** ..... **29.99**



### 20 dB coax amp

Clear up your UHF. Boosts signals in 430-1450 MHz range. Helps cut loss from long cable runs. VHF pass-through. Easy to install in-line. 75-ohms.
**15-1115** ..... **29.99**



### 2-set amp coupler

Boosts incoming signal from VHF, FM, mid and superband cable TV to drive any combination of two TVs, VCRs or FM sets. UL listed AC.
**15-1116** ..... **13.99**



### 10 dB booster-amp

Strengthens signal from VHF, FM, mid and superband cable TV for better reception. Also works with a VCR, video disc player or a video game. UL listed AC.
**15-1118** ..... **12.99**



### 10 dB coax amp

Boosts VHF/UHF and FM. Connects in-line near antenna for best reception. Reduces signal loss due to splitters, transformers, and long cable runs. UL listed AC. **15-1117** ..... **17.99**

## Gold—for the best TV, VCR, FM and stereo connections



### 3-piece TV/FM hi-gain amp

Delivers a typical gain of 25 dB VHF and 20 dB UHF. Outdoor amp mounts on mast near antenna. Gain adjustable over 10 to 20 dB range. Remote controlled FM trap. 75-ohm output and F-connectors. UL listed.
**15-1108** ..... **39.99**



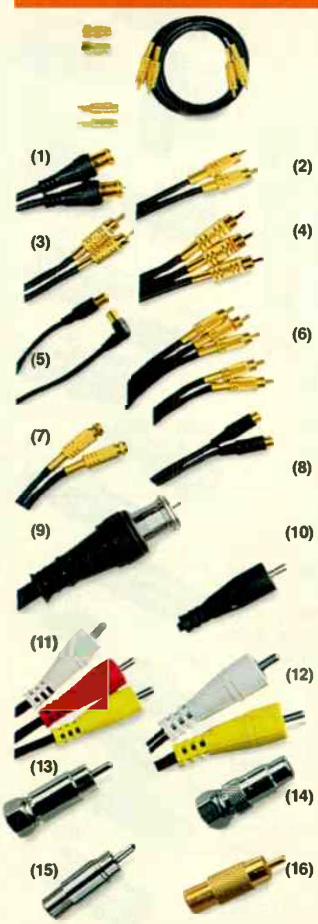
### 75-ohm cable distribution amp

Drives up to four sets while delivering a typical gain of 14 dB VHF and 13 dB UHF. Cuts VHF/UHF/FM signal loss due to long cable runs or sharing signal among several TV sets. Switchable FM trap. UL listed.
**15-1107** ..... **34.99**



### 3-set AV distribution amplifier

Lets you split the video and stereo audio output signals from a VCR or other video source to as many as three other VCRs or monitors without signal loss. Helps prevent signal loss from long cable runs. UL listed AC.
**15-1103** ..... **29.99**




### Premium-grade A/V dubbing kits

Get true, accurate dubs every time. Includes two F-type to phono jack and two 1/8" mini-plug to phono jack adapters and 6-foot cable with phono plug on ends.
**Gold-plated, 15-1523** ..... **12.99**
**Chromium-plated, 15-1525** ..... **6.99**

**Cables with gold-plated plugs**

| Fig. | Length | Connector Type | Cat. No. | Each |
|---|---|---|---|---|
| 1 | 3-Foot | Push-On F | 15-1515 | 3.99 |
| | 6-Foot | Push-On F | 15-1516 | 4.49 |
| | 12-Foot | Push-On F | 15-1517 | 4.99 |
| | 3-Foot | RCA Phono | 15-1518 | 4.99 |
| 2 | 6-Foot | RCA Phono | 15-1519 | 5.99 |
| | 12-Foot | RCA Phono | 15-1520 | 7.99 |
| | 3-Foot | A/V Cables | 15-1504 | 8.99 |
| 3 | 6-Foot | A/V Cables | 15-1505 | 10.99 |
| | 12-Foot | A/V Cables | 15-1506 | 13.99 |
| | 3-Foot | Stereo A/V Cables | 15-1507 | 10.99 |
| 4 | 6-Foot | Stereo A/V Cables | 15-1508 | 12.99 |
| | 12-Foot | Stereo A/V Cables | 15-1509 | 16.99 |
| 5 | 3-Foot | Right-Angle Push-On F | 15-1513 | 3.99 |
| | 6-Foot | Right-Angle Push-On F | 15-1514 | 4.49 |
| 6 | 6-Foot | RCA Phono (Video Dubbing Cable Set—Stereo to Mono) | 15-1521 | 9.99 |
| | 3-Foot | RG6 F-Screw Type | 15-1541 | 6.99 |
| 7 | 6-Foot | RG6 F-Screw Type | 15-1542 | 7.99 |
| | 12-Foot | RG6 F-Screw Type | 15-1543 | 9.99 |
| 8 | 6-Foot | S-Video | 15-1510 | 13.99 |
| | 12-Foot | S-Video | 15-1503 | 17.99 |

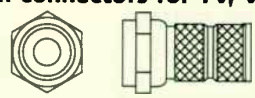
**Cables, connectors and adapters for A/V hookups**

| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 9 | 2-Foot Coax Cable, Male Push-On Connectors | 15-1533 | 2.69 |
| | 2-Foot VCR A/V Cable, Phono Connectors | 15-1538 | 2.99 |
| 10 | 2-Foot VCR A/V Cable, Phono Connectors | 15-1535 | 3.99 |
| | 12-Foot VCR A/V Cable, Phono Connectors | 15-1539 | 4.99 |
| 11 | 6-Foot Stereo A/V Cable, 3 Phono at each end | 15-1537 | 6.99 |
| | 12-Foot Stereo A/V Cable, 3 Phono at each end | 15-1512 | 8.99 |
| 12 | Dual 24-Foot A/V Cable, Phono Connectors | 15-1540 | 8.99 |
| 13 | Adapter, Male F-Connector to Phone Plug | 278-253 | 1.99 |
| 14 | Adapter, Male F-Connector to Female Phono Jack | 278-255 | 1.99 |
| 15 | Adapter, Female F-Connector to Phone Plug | 278-252 | 1.99 |
| 16 | Adapter, Gold-Plated Female F-Conn. to Phone Plug | 278-290 | 2.49 |

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World Radio History

## 75-ohm connectors for TV, VCR, FM

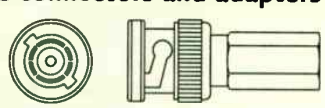



| Fig. | Type | Cable | Plating | Pkg. of | Cat. No. | Price |
|---|---|---|---|---|---|---|
| 1 | Crimp-on | RG6QS | Std. | 2 | 278-232 | .99 |
| 2 | Crimp-on | 59 | Gold | 2 | 278-224 | 1.99 |
| — | Crimp-on | 6 | Gold | 2 | 278-225 | 1.99 |
| 3 | Crimp-on | 59 | Std. | 2 | 278-222 | .99 |
| — | Crimp-on | 6 | Std. | 2 | 278-223 | .99 |
| — | Crimp-on | 59 | Std. | 10 | 278-230 | 3.99 |
| — | Crimp-on | 6 | Std. | 10 | 278-231 | 3.99 |
| 4 | Crimp Ring | 6 | Std. | 6 | 278-217 | .79 |
| — | Crimp Ring | 59 | Std. | 6 | 278-216 | .79 |
| 5 | Crimp-on | 59 | Std. | 2 | 278-211 | .99 |
| — | Crimp-on | 6 | Std. | 2 | 278-214 | .99 |
| 6 | Twist-on | 59 | Std. | 1 | 278-227 | .89 |
| — | Twist-on | 59 | Gold | 1 | 278-292 | 1.39 |
| 7 | Twist-on | 6 | Gold | 1 | 278-229 | 1.39 |
| — | Twist-on | 6 | Std. | 1 | 278-228 | .89 |
| 8 | Solderless | 59 | Std. | 1 | 278-215 | .99 |
| 9 | Solderless Speed Plug | 59 | Std. | 1 | 278-234 | 1.99 |
| 10 | Solderless Right Angle | 6/59 | Std. | 1 | 278-280 | 2.49 |

**(11) Gold-plated screw-on to push-on adapter.**
**278-291** ..... 1.99
Screw-on to push-on. **278-218** ..... 1.49
(12) **New** Right-angle screw-on to push-on adapter.
**278-235** ..... 1.99
**(13) F inline right-angle adapter. 278-221** ..... 1.79
(14) F-61. Chassis-mount F jack. **278-212, Pkg. of 2/99¢**
**(15) Gold-plated F 81 coupler. 278-304** ..... 1.79
**F-81 coupler.** Joins two F connectors. **278-213** ..... **99¢**
**(16) Indoor 75-ohm splicers. 278-226, Pkg. of 2/2.99**
**(17) F male-to-male adapter. 278-219** ..... 1.49

| Fig. | Accepts | Fits | Cat. No. | Each |
|---|---|---|---|---|
| 18 | BNC Plug | F Jack | 278-256 | 2.99 |
| 19 | Phono Jack | F Jack | 278-253 | 1.99 |
| 20 | Phono Plug | F Jack | 278-255 | 1.99 |
| 21 | F Jack | Phono Plug | 278-252 | 1.99 |
| 22 | Gold-Plated F Jack | Phono Plug | 278-290 | 2.49 |
| 23 | Male F | 1/8" Jack | 278-257 | 2.19 |
| 24 | Male F | Phono Plug | 278-263 | 1.99 |
| 25 | Male F (Right-Angle) | Phono Plug | 278-260 | 2.99 |

## BNC connectors and adapters



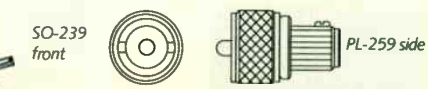

**(26) New Right-angle male BNC.** With strain relief. Installs to stripped coax easily. **278-126** ..... 3.99
**(27) Twist-on male BNC.** RG-58 cable. **278-103** .. 2.99
**(27) Above for RG-59, RG-62. 278-104** ..... 2.99
**(28) Solderless BNC male.** For RG-58. **278-185** ... 3.69
**(29) Type 1094 BNC chassis-mount jack. 278-105,** 1.59
**(30) Type UG-914 BNC female-to-female coupler. 278-115** ..... 1.99
(31) BNC T-adapter. Female-female-female. **278-111** ..... 3.99
(32) BNC T-adapter. Has female-male-female configuration. **278-112** ..... 3.99
**TNC to BNC adapter. 278-144** ..... 3.99
**(33) Right-angle adapter. 278-116** ..... 3.99
**New** BNC 50-ohm terminator. Terminates ethernet connections. (278-270 CMC) RSU 10502508 ..... 2/2.99
**(34) Gold-plated BNC female to phono male. 278-301** ..... 3.99
**Gold-plated BNC male to phono female. 278-303,** 3.99

| Fig. | Accepts Plug | Fits Plug/ Socket | Cat. No. | Each |
|---|---|---|---|---|
| 35 | Motorola | BNC | 278-117 | 3.49 |
| 36 | PL-259 | BNC | 278-120 | 3.49 |
| 37 | F Male | BNC | 278-251 | 2.99 |
| 38 | Phono | BNC | 278-254 | 2.99 |
| 39 | BNC Male | Motorola | 278-160 | 3.29 |
| 40 | Male F | Male BNC | 278-264 | 2.99 |
| 41 | BNC | Phono Jack | 278-250 | 3.29 |

## N connectors and adapters

**(42) Male N.** For RG-8 cable. **278-149** ..... 4.49
**(43) PL-259 adapter.** Accepts PL-259 plug. Fits N jack. **278-156** ..... 4.49

## UHF connectors and adapters




**(44) Premium PL-259 plug.** Silver-plated body and heat-withstanding, low-loss Teflon insulator. **278-188** ..... 3.99
**(45) Standard PL-259 plugs. 278-205, Pkg. of 2/3.49**
**(46) UG-176 reducers.** Use to install PL-259 plugs on RG-59 and RG-8M cables. **278-204** .... **Pkg. of 2/99¢**
**UG-175 reducers.** For RG-58. **278-206, Pkg. of 2/99¢**
**(47) No-crimp solderless PL-259 plug.** For RG-58 cable. Installs with a flat-blade screwdriver. **278-186,** 3.29
**(48) Solderless PL-259.** RG-58. **278-196, Pkg. of 2/2.69**
**Above for RG-59 and RG-8M. 278-191** ..... 2.49
**(49) SO-239 chassis-mount socket. 278-201** .... 1.79
**(50) Double PL-259.** Joins two SO-239s. For low-pass filter and other hookups. **278-192** ..... 3.99
**(51) PL-258 coupler.** Joins two PL-259s. **278-1369,** 1.69
(52) M-348 T-adapter. Two SO-239 sockets to a PL-259 plug. Useful in beam antenna phasing lines. **278-198,** 4.49
**(53) M-359 inline right-angle adapter.** Use in tight spaces to prevent cable and jack damage. **278-199,** 3.49

| Fig. | Accepts | Fits | Cat. No. | Each |
|---|---|---|---|---|
| 54 | BNC Plug | SO-239 | 278-121 | 3.49 |
| 55 | Male F | SO-239 | 278-258 | 3.49 |

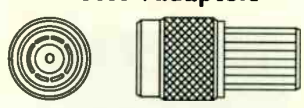
## Mini UHF adapters/connectors

**(56) Double-female adapter.** Joins two male mini-UHF connectors. **278-172** ..... 2.49
**Twist-on connector.** No crimp or soldering. For RG-58 coax cable. **278-168** ..... 1.99

| Fig. | Accepts | Fits Mini-UHF | Cat. No. | Each |
|---|---|---|---|---|
| 57 | PL-259 | Female | 278-174 | 3.99 |
| 58 | TNC Male | Female | 278-146 | 3.49 |

**(59) European-TV adapter.** Accepts male F. Fits PAL-type antenna jack. **278-261** ..... 1.99
**(60) European-TV adapter.** Couples female F connector and female PAL. **278-265** ..... 1.99
**(61) "Scanner" adapter.** Accepts a PL-259 plug. Fits Motorola-type jack. **278-208** ..... 1.99

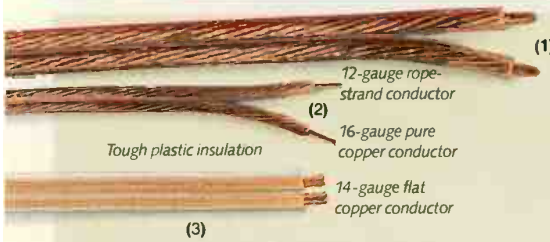
## TNC connector/adapters




**(62) No-crimp solderless male TNC.** For RG-58 cable. **278-184** ..... 3.69
**(63) Twist-on male TNC connector.** For RG-58 cable. **278-140** ..... 1.99
**(64) Push-on adapter.** Converts a screw-on TNC male to push-on type. **278-133** ..... 3.99
**Double-female TNC. 278-142** ..... 1.99
**(65) Adapter.** Accepts PL-259 plug. Fits female TNC. **278-118** ..... 3.49

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.

World Radio History




## Megacable® makes a difference

(1) **12-gauge Megacable.** Our best! Rope-strand, pure copper conductors are enclosed in a tough plastic insulation with an embedded strip for easy polarity identification. High copper content reduces resistance and power loss. Rope strand is more flexible than standard wire. **278-1268** ..... **Per Foot 99¢**

(2) **16-gauge Megacable.** Perfect for home, public address and vehicle use. A great value! **278-1270** ..... **50-foot roll 16.99**

New (3) **14-gauge flat Megacable.** Great for outer walls and areas not suited for round cable. Resists rolling and sliding. **278-1273** ..... **50-foot roll 19.99**




### Megacable terminals and conductors

(4) **Speaker terminal plate.** Recessed. Requires 2 1/8 x 2 7/8 cutout. **274-630** ... **2.99**

New **Speaker terminal plate with phono jacks.** Gold terminals. Push-release. **274-631** ..... **3.99**

New **Speaker terminal plate.** Gold terminals. Push release. **274-632** ... **2.99**

(5) **Gold flat-pin connectors.** 24-karat gold-plated. Crimp-on. Sets include two red, two black.

| Accepts Wire | Cat. No. | Set of 4 |
|---|---|---|
| 10-12 ga. | 278-310 | 2.99 |
| 14-16 ga. | 278-317 | 2.99 |

(6) **Deluxe gold pin connectors.** 24k gold-plated. Two-piece twist-on design. Sets include two red, two black.

| Accepts Wire | Cat. No. | Set of 4 |
|---|---|---|
| 10-12 ga. | 278-309 | 9.99 |
| 14-16 ga. | 278-320 | 9.99 |

(7) **Snap-spade gold connectors.** Crimp. Sets include four red, four black.

| Accepts Wire | Cat. No. | Set of 8 |
|---|---|---|
| 10-12 ga. | 278-311 | 4.99 |
| 14-16 ga. | 278-316 | 4.99 |



## 2-conductor speaker wire

| Gauge | Type | Feet | Color | In Wall* | Cat. No. | Each |
|---|---|---|---|---|---|---|
| 24 | Stranded | 50 | Clear | — | 278-1301 | 3.19 |
| 24 | Solid | 75 | Clear | — | 278-1509 | 3.49 |
| 22 | Stranded | 100 | Clear | — | 278-1385 | 6.49 |
| 20 | Stranded | 75 | Clear | — | 278-1388 | 7.99 |
| 18 | Stranded | 30 | Clear | — | 278-1602 | 4.99 |
| 18 | Stranded | 60 | Clear | — | 278-008 | 7.99 |
| 16 | Stranded | 50 | Clear | — | 278-1267 | 8.99 |
| 20 | Stranded | 30 | Brown | Yes | 278-1101 | 3.99 |
| 20 | Stranded | 100 | Brown | Yes | 278-1102 | 9.99 |
| 18 | Stranded | 30 | Brown | Yes | 278-1103 | 4.99 |
| 18 | Stranded | 100 | Brown | Yes | 278-1104 | 13.99 |
| 16 | Stranded | 30 | Brown | Yes | 278-1105 | 5.99 |
| 16 | Stranded | 100 | Brown | Yes | 278-1106 | 17.99 |
| 16 | Stranded | 100 | White | Yes | 278-1116 | 17.99 |

*Yes = UL listed for in-wall use

## UL recognized hookup wire

| Gauge | Type | Feet* | Spools | Cat. No. | Price |
|---|---|---|---|---|---|
| 18 | Solid | 60 | 1 | 278-1217 | 3.99 |
| 18 | Stranded | 55 | 1 | 278-1220 | 3.99 |
| 20 | Stranded | 75 | 1 | 278-1219 | 3.99 |
| 20 | Solid | 80 | 1 | 278-1216 | 3.99 |
| 22 | Solid | 100 | 1 | 278-1215 | 3.99 |
| 22 | Stranded | 90 | 1 | 278-1218 | 3.99 |
| 18 | Solid | 45 | 3 | 278-1223 | 4.49 |
| 18 | Stranded | 45 | 3 | 278-1226 | 4.49 |
| 20 | Stranded | 60 | 3 | 278-1225 | 4.49 |
| 20 | Solid | 75 | 3 | 278-1222 | 4.49 |
| 22 | Solid | 90 | 3 | 278-1221 | 4.49 |
| 22 | Stranded | 75 | 3 | 278-1224 | 4.49 |

*Total feet. Colors vary. 3-spool sets include three different colors.

## Coax cable for TV, FM, CB, Ham and scanner hookups




**RG-6.** 100% shielding, low loss. Designed for internal wiring of premises for cable and antenna TV.

**RG-6QS.** (Quad shield). Same uses as RG-6. Four levels of shielding—ideal for areas with large amounts of electrical interference.

**RG-59.** For video signal, CB/Ham and TV antenna applications. Not recommended for cable-TV use.

**RG-58.** Popular small-diameter cable for most RF signal transmission uses including CB, Ham, shortwave and mobile antenna hookups.

**RG-8/M.** 95% shielding. Same uses as RG-8 but recommended for shorter runs.

**RG-8.** Low-loss. With copper braid 95% shielding. For CB, Ham and scanner antenna lead-ins.

| RG Type | Ohms | OD (in.) | Velocity Factor | Loss in dB Per 100 Feet At 100 MHz | Loss in dB Per 100 Feet At 400 MHz | Capacitance Per Foot | Center Conductor | Cat. No. | Per Ft. |
|---|---|---|---|---|---|---|---|---|---|
| 6 (white) | 75 | .266 | 78% | 2.2 | 4.4 | 17.5 pF | 18 Gauge Solid | 278-1318 | .23 |
| 6 (black) | 75 | .266 | 78% | 2.2 | 4.4 | 17.5 pF | 18 Gauge Solid | 278-1316 | .23 |
| 6QS | 75 | .286 | 78% | 2.1 | 4.4 | 17.3 pF | 18 Gauge Solid | 278-1317 | .32 |
| 59 New | 75 | .242 | 78% | 2.9 | 5.9 | 14.8 pF | 20 Gauge Solid | 278-1319 | .22 |
| 58 | 50 | .196 | 66% | 4.5 | 10.0 | 28.5 pF | 20 Gauge Solid | 278-1314 | .22 |
| 8/M | 50 | .242 | 78% | 3.7 | 8.0 | 25.2 pF | 16 Gauge (19 x 29) | 278-1313 | .31 |
| 8 | 50 | .405 | 66% | 1.9 | 4.1 | 26.4 pF | 13 Gauge (7 x 21) | 278-1312 | .69 |

# We're Your Source for Wire & Cable

*QUESTION: How do I choose the best kind of wire for a particular use?*

Q&A

*ANSWER: Here are some basic facts that will help you make a selection:*

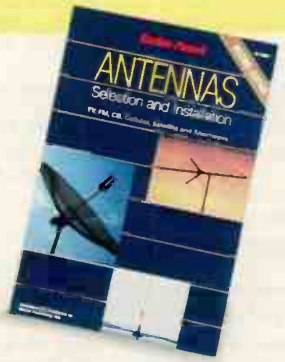
***The conductor** is the part of the wire or cable that carries electricity. The larger the conductor, the more electrical current it can carry safely.*

***The gauge number** indicates the size of the conductor. A lower gauge number means larger wire. A 12-gauge conductor is larger and can carry more current than an 18-gauge conductor.*

***Stranded-conductor** wire is useful in speaker and audio hookups as well as connections where wire flexibility is desired.*

***Solid-conductor** wire is used in hookups or circuits where flexibility is not needed.*

***Shielded audio and coax** cables have an insulated inner conductor surrounded by a conductive shield. This shield screens out electrical hum and noise that the inner conductor would otherwise pick up.*




### Selecting and Installing Antennas

Learn how antennas work and learn how to select and install the antenna that's right for your needs. Covers TV, FM, CB, cellular, satellite and shortwave antennas. Clear, meaningful illustrations and easy-to-read text.

**62-1083** ..... **5.99**

Large-quantity discounts are available at participating Radio Shack stores and dealers.

World Radio History

# Wire, cable assemblies and tools.




## Intercom and alarm wire

(1) 3-conductor intercom wire. 24-ga. stranded. UL CM. Rated for in-wall use. 50 ft. 278-871, 4.99
(2) 4-conductor intercom wire. 24-gauge solid conductors. 20 feet. 278-858 ..... 3.49
2-conductor intercom wire. 24-gauge solid conductors. 35 feet. 278-857 ..... 3.49
(3) Alarm wire. Twisted pair. 22-ga. stranded. PVC insulation. UL Type CL2. Rated for in-wall use.
300 ft. 278-863, 27.99 100 ft. 278-862, 9.99



## Telephone cable and modular phone cord

Indoor/outdoor 4-conductor phone cable. Rugged. 24-ga. solid. UL. CMX-CM. Rated for in-wall use.
250 ft. 278-386, 34.99 100 ft. 278-385, 14.99
4-conductor phone cable. 24-gauge solid. UL. CM. Rated for in-wall use. 278-1310, Price per foot/15¢
100 ft. 278-873, 12.99 50 ft. 278-872, 6.49
6-conductor phone cable. 24-gauge solid. UL. CM. Rated for in-wall use. 100 feet. 278-874 ..... 14.99
Modular phone cord. 4-conductor stranded. 26-ga.
100 ft. 278-366, 13.99 50 ft. 278-365, 6.99



## Double-shielded 4-conductor data/audio cable

Four 26-gauge stranded conductors enclosed by a 100% foil shield and a 75% overlap of wire braid. Double shielding fights interference—ideal for applications where hum and electrical noise pickup may be a problem. UL Type CM. Rated for in-wall use. 30 feet. 278-777 ..... 8.99



## Shielded cable for audio and mic hookups

Audio cable. Single 24-gauge stranded conductor plus shield. Great for building custom patch cords and audio interconnects. UL. Type CL2. Rated for in-wall use. 20 feet. 278-512 ..... 3.49
2-conductor audio cable. Two 24-gauge stranded conductors plus shield. UL Type CL2X.
50 ft. 278-513, 7.89 20 ft. 278-514, 3.89
OFC cable. High-performance oxygen-free copper. Single conductor plus shield. 6 feet long, each.
6mm diameter. 278-1271 ..... 5.99
8mm diameter. 278-1272 ..... 7.59



## Automotive and heavy-duty wire

Automotive hookup wire. 10-gauge stranded. Ideal for high-current uses. Heavy-duty insulation meets demands of the mobile environment. 35 feet.
Red. 278-568, 11.99 Black. 278-569, 11.99
12-gauge hookup wire. Stranded. UL. Type AWM. Rated 600 volts, 80° C. 20 feet.
Red. 278-565, 3.99 Black. 278-566, 3.99
2-conductor. 18-gauge stranded. UL. Type CL2. Rated for in-wall use. 25 feet. 278-567 ..... 4.19



## Economy coax cable crimp tool

Securely installs F connectors on 75-ohm coax cable. Use with our F-56 and F-59 (#278-211 and #278-214) connectors only. All-steel construction. 278-220 ... 2.99



## Medium-duty crimp tool

Quality all-steel tool crimps all F-56 and F-59 coax connectors. Cushioned handles. 278-242 ..... 6.99



## Pro-quality crimp tool

For installing all crimp-on F-56 and F-59 coax connectors. Easy to use and built for years of service. All-steel construction, cushioned handles. 278-243 ..... 15.99



## Precision coax cable cutter

Special curved blades do not flatten or damage cable while cutting to preserve proper impedance and simplify installation. Blades are held open by a spring. 278-244 ... 5.99



## Coax cable stripper

Adjustable blades deliver perfect strips every time. For coax cable types RG-6, RG-8MINI, RG-58, RG-59, RG-62 and others from 3/16" to 5/16" diameter.
278-240 ..... 12.99



## New Economy coax cable stripping tool

For RG6 and RG59 cable. Provides clean, accurate nick-free cuts. Long-life cutting blade.
278-247 ..... 6.99



## UL listed wire for test probes

This stranded 20-gauge-conductor wire is rated to 1000 volts and 105° C. Highly flexible, it's the wire to choose when repairing or upgrading test probes and also useful in experimental and hobby projects where extra flexibility without breakage is desired. Oil-resistant insulation. 20 feet.
Red. 278-563 ..... 2.99
Black. 278-564 ..... 2.99



## Magnet wire

Three-spool assortment totaling 315 feet at a value price. This enamel-covered solid copper wire is perfect for winding your own coils and electromagnets. Includes 40 feet of 22-gauge, 75 feet of 26-gauge and 200 feet of 30 gauge. 278-1345 ..... 3.99



## Ground braid cable

Tinned low-resistance, heavy-duty braided cable provides a superior connection between equipment and ground rod or grounding point. Conductor 99.9% pure copper. 10 feet. 278-1555 ..... 2.49



## Pretinned solid bus wire

This 24-gauge uninsulated copper wire is ideally suited for hobby projects, the repair of broken traces on printed circuit boards, and other applications where a small-gauge bare wire is needed. 50 feet. 278-1341 ..... 1.79



## Coiled cable for communications mics

Premium quality for years of service! Ideal for replacing Ham, CB and marine radio microphone cords. Four conductors (one is shielded). 5 ft.
278-356 ..... 2.99

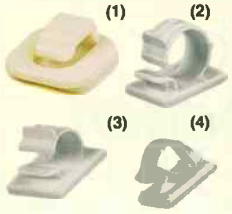



## Prewired, ready-to-use RF cable assemblies

(4) 6-ft. BNC to BNC. For test equipment and RF hookups. 52-ohm. 278-964 ..... 5.99
12-foot BNC to BNC. 52-ohm. 278-965 ..... 9.99
6-foot BNC to BNC. 75-ohm. 278-990 ..... 5.99
(5) 3-ft. cellular phone extension. Has male TNC connector at one end and female TNC at the other. 52-ohm. 278-976 ..... 4.99
(6) 2-ft. PL-259 to PL-259. This short RG-58 52-ohm patch cable is perfect for connecting CB or Ham SWR meters, watt meters, etc. 278-968 ..... 4.99
20-ft. PL-259 to PL-259. For CB/Ham antenna hookups. RG-58 52-ohm cable. 278-967 .... 7.99
50-ft. PL-259 to PL-259. RG-58 52-ohm cable. 278-971.... 14.99
(7) 10-ft. PL-259 to PL-259. RG-8/M, 52-ohm. 278-979 .... 9.99
(8) 5-ft. PL-259 to PL-259. RG-8 52-ohm. 278-969 ..... 7.99
(9) 50-ft. PL-259 to PL-259. RG-8 52-ohm. 278-980 ..... 34.99
(10) 6-ft. PL-259 to SO-239. RG-58 52-ohm coax extension cable. 278-975 ..... 6.99
(11) 20-ft. mobile antenna cable. PL-259 at one end, spade lugs at other. 52-ohm. 278-966 .... 7.99

Large-quantity discounts are available at participating Radio Shack stores and dealers.

World Radio History

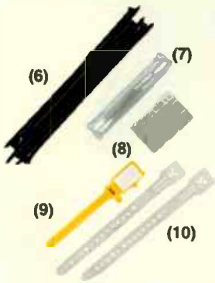



**Cable clips.** Keep cable secure. Adhesive backing.

| Fig. | Type | Accepts Cable | Cat. No. | Pkg. of | Price |
|---|---|---|---|---|---|
| 1 NEW! | Telephone | Modular | 278-1667 | 9 | 1.49 |
| 2 | Jumbo | 5/8" | 278-1641 | 3 | 1.79 |
| 3 | Standard | 3/4" | 278-1640 | 10 | 2.69 |
| 4 | Adjustable | 1/2" | 278-1639 | 10 | 2.69 |
| 5 | Universal | 3/4" | 278-1647 | 10 | 2.79 |



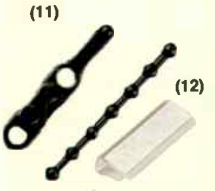

## Keep wire, cable where you want it




**(6) In/outdoor wire ties.** 8" long. Ultraviolet (UV) stabilized for long outdoor life. Perfect for communications, TV and other outdoor wiring.
**278-1652...Pkg. of 30/2.99**
**14 1/2" version of fig. 6.**
**278-1655...Pkg. of 30/4.99**
**(7) 4" wire ties.** Unbreakable nylon. Self-locking.
**278-1632...Pkg. of 30/1.59**
**5 1/2" version of fig. 7.**
**278-1631...Pkg. of 30/1.99**
**8" version of fig. 7.**
**278-1642...Pkg. of 30/2.99**
**(8) Wire-tie mounts.** Adhesive backed. 3/4" × 3/4".
**278-441....Pkg. of 10/1.59**




**(9) Cable tie/marker.** For cables up to 5/8" diameter.
**278-1648...Pkg. of 10/2.79**
**(10) AC cord ties.**
**278-1646....Pkg. of 6/99¢**



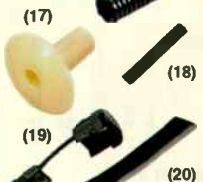

**(11) Beaded wire ties.** Reusable. UV stabilized. 6 7/16" long.
**278-1619...Pkg. of 10/1.99**
**(12) Self-stick wire clips.** For indoor speaker, phone wires.
**278-1618...Pkg. of 12/2.49**
**(13) New Nail-in coax clips.** For RG-58/RG-6 cable. **Black, 278-1660. White, 278-1659....Pkg. of 10/99¢**
**(14) Nail-in coax clips for RG-8 cable.** Slip over cable.
**278-1661.....Pkg. of 6/99¢**







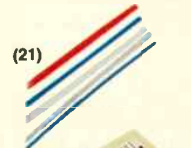
**(15) New Metal bendable wire holders.** Any shape!
**278-1657...Pkg. of 10/1.79**
(16) **Wire wrap tubing.** Gathers wires into a bundle. 5-ft. length, 1/2" diameter.
**278-1624.....3.99**
**3/4"-diameter wire wrap tubing.** Gathers wires and cable into a neat bundle. 5 feet.
**278-1654.....4.99**




(17) **Wall feedthrough bushing for RG-6, 8M coax.**
**278-1644....Pkg. of 2/99¢**
**For RG-59, RG-58, RG-62.**
**278-1643....Pkg. of 2/99¢**
(18) **Spiral wrap.** 10 feet.
**278-1638.....1.99**




**(19) Strain reliefs.** For cable-entry point on chassis or enclosure. **278-1636....6/99¢**
**(20) Heat shrink tubing.** 1/16" to 1/2" sizes. UL listed.
**278-1627....Pkg. of 7/1.99**
**(21) New Heat shrink tubing.** Multi-colored.
**278-1610.....Pkg. of 7/2.19**




**(22) Wire markers.** 630 "peel 'n stick" letters, numbers.
**278-1650.....Set 1.99**
**(23) Self-laminating cable markers.**
**278-1616...Pkg. of 24/1.99**






## Parts storage box

With divided compartments. 8 1/2x4 3/4x1 1/2". 64-552.....3.39




# Wiring Fasteners and Connectors

*For neater, more secure hookups, and for all your project supplies, come to Radio Shack—we've got what you need.*

**Hardware and connectors Handy-Packs $1.49 each!**

| Fig. | Description | Qty. | Cat. No. |
|---|---|---|---|
| 24 | Round-Head Machine Screws. 2-56. 14 each of 1/4", 1/2", 3/4". | 42 | 64-3010 |
| | Machine Screws. 4-40. 14 each of 1/4", 1/2", 3/4". | 42 | 64-3011 |
| | Machine Screws. 6-32. 14 each of 1/4", 1/2", 3/4". | 42 | 64-3012 |
| 25 | Pan Head Sheet-Metal Screw Assortment. | 35 | 64-3016 |
| 26 | Steel Machine Hex Nuts. 40 each: 2-56 | 40 | 64-3017 |
| | Steel Machine Hex Nuts. 30 each: 4-40 | 30 | 64-3018 |
| | Steel Machine Hex Nuts. 30 each: 6-32 | 30 | 64-3019 |
| 27 | Flat Washers. 20 each of #2, #4, #6, #8, #10 | 100 | 64-3022 |
| 28 | Control Nuts. 8 each of 3/8-32, 15/32-32, 7 of .475-32. | 23 | 64-3020 |
| | Metric Control Nuts Assortment. | 20 | 64-3063 |
| 29 | Grommets. 7 each: 1/4", 9/16", 3/4". 5 each: 7/8", 1 1/2" | 31 | 64-3025 |
| 30 | Solderless Ring Tongues. 12 each: #6 (6 for 22-18 ga.), (6 for 16-14 ga.), 12 each: #8 (6 for 22-18 ga.), (6 for 16-14 ga.) | 24 | 64-3030 |
| 31 | Solderless Insulated Ring Tongue Assortment. 6 each: #6 (4 for 22-18 ga.), (2 for 16-14 ga.), 4 each: #8 (2 for 22-18 ga.), (2 for 16-14 ga.) | 10 | 64-3032 |
| 32 | Insulated Large Ring Tongues. 2 each: 1/4 for 16-14 ga., 2 each: 3/8 for 16-14 ga., 2 each: 1/2 for 12-10 ga. | 6 | 64-3040 |
| 33 | Solderless Spade Tongues. 12 each: #6 (6 for 22-18 ga.), (6 for 16-14 ga.), 12 each: #8 (6 for 22-18 ga.), (6 for 16-14 ga.) | 24 | 64-3031 |
| 34 | Solderless Flanged Spades. 12 each: #6 (6 for 22-18 ga.), (6 for 16-14 ga.), 12 each: #8 (6 for 22-18 ga.), (6 for 16-14 ga.) | 24 | 64-3043 |
| 35 | Solderless Spade Tongues. #10 (12 for 22-18 ga.), (12 for 16-14 ga.) | 24 | 64-3034 |
| | (As above, but insulated.) 5 each | 10 | 64-3035 |
| 36 | Solderless Flanged Insulated Spades. 6 each: #6 (4 for 22-18 ga.), (2 for 16-14 ga.), 4 each: #8 (2 for 22-18 ga.), (2 for 16-14 ga.) | 10 | 64-3044 |
| 37 | Solderless Insulated Spade Tongues. 6 each: #6 (4 for 22-18 ga.), (2 for 16-14 ga.), 4 each: #8 (2 for 22-18 ga.), (2 for 16-14 ga.) | 10 | 64-3033 |
| 38 | Female Flag Quick-Disconnects. 5 each: 187 Fem NIQD Flag (16-14 ga.), 5 each: .250 Fem NIQD Flag (16-14 ga.) | 10 | 64-3046 |
| 39 | Solderless Insulated M/F Q-Ds. 4 each: Fem FIQD Coupler (2 for 22-18 ga.), (2 for 16-14 ga.), 4 each: Male FIQD Coupler (2 for 22-18 ga.), (2 for 16-14 ga.) | 8 | 64-3049 |
| 40 | Insulated Female Quick-Disconnects. (for 22-18 ga.) | 6 | 64-3058 |
| 41 | Single Female to Dual Male Quick-Disconnects. (for 26-24 ga.) | 6 | 64-3061 |
| 42 | Male Quick-Disconnects. 2 each: .187 Male PIQD (for 16-14 ga.), 2 each: .250 Male PIQD (for 16-14 ga.), 2 each: .187 Male NIQD (for 16-14 ga.), 2 each: .250 Male NIQD (for 16-14 ga.) | 10 | 64-3038 |
| 43 | Female Quick-Disconnects. 2 each: .187 Fem. PIQD (for 16-14 ga.), 2 each: .250 Fem. PIQD (for 16-14 ga.), 2 each: .187 Fem. NIQD (for 16- 14 ga.) 2 each: .250 Fem. NIQD (for 16-14 ga.) | 10 | 64-3039 |
| 44 | Butt Connectors. (10 for 22-18 ga.), (10 for 16-14 ga.) | 20 | 64-3036 |
| 45 | Insulated Butt Connectors. (5 for 22-18 ga.), (5 for 16-14 ga.) | 10 | 64-3037 |
| 46 | Aluminum Spacer Assortment. | 24 | 64-3024 |
| 47 | Bullet Connectors, Insulated. 6 each: Male (for 16-14 ga.), 3 each: Dual Female | 6 | 64-3047 |
| 48 | Ins. Closed-End Connectors. (5 for 24-16 ga.), (5 for 18-12 ga.) | 10 | 64-3041 |
| 49 | Polypropylene Cable Clamps. 6 each: 1/8", 3/16", 1/4" dia. | 18 | 64-3028 |

**Wire terminals, connectors and staples**

| Fig. | Description | Qty. | Cat. No. | Price |
|---|---|---|---|---|
| 50 | Insulation-Piercing Phone Spade Lugs | 24 | 64-3070 | 1.49 |
| 51 | Phone Wiring Butt Connectors.22-26 AWG | 24 | 64-3073 | 1.49 |
| 52 | Standard Wire Staples | 40 | 64-2875 | 1.19 |
| 53 | Phone/Alarm Wire Splices | 4 | 64-3080 | 1.99 |
| 54 | Phone Wire UG Tap Connectors | 4 | 64-3081 | 1.99 |
| 55 | Wire Connectors (6 for 22-18 ga.), (6 for 16-14 ga.), (4 for 12-10 ga.) | 16 | 64-3057 | 1.49 |
| — | Insulated Crimp Terminals | 75 | 64-407 | 2.59 |
| — | Noninsulated Crimp Terminals | 100 | 64-406 | 2.59 |
| — | Antenna Lead Terminals | 12 | 64-408 | 1.29 |
| 56 | Wire Tap-Ins (18-14 ga.) | 10 | 64-3052 | 1.99 |
| 57 | Low-Voltage Tap-Ins (18-22 gauge) | 7 | 64-3053 | 1.99 |



World Radio History



# Radio Shack is Your Soldering Connection

*Soldering is the best way to make permanent connections in your projects, repairs, audio/video and security hookups. Radio Shack has a wide selection of quality tools and solder to get the job done right.*

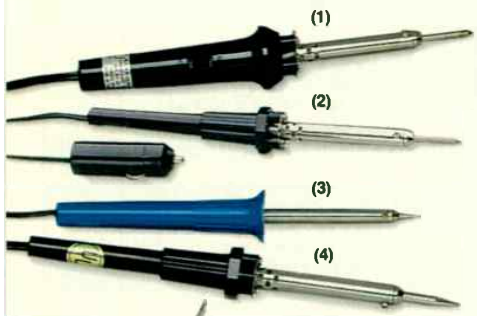
## New Heavy-duty, dual-heat soldering gun with light

Powerful and versatile! Select 230 watts (up to 1100°F) for soldering metals such as copper, tin and brass. Choose 150 watts (up to 950°F) for electric work, general soldering and hobby work. Features a one-finger, dual-heat trigger switch—squeeze to first position for low temperature, second position for high temperature. Handy prefocused light illuminates your work. Contoured handle and balanced design assure maximum control and comfort. High-impact housing stands on end for cooling. Sturdy heating element connectors. Includes tip. **64-2187** ..... **29.99**
**Replacement tip.** (T64-2187TIP CMC) **RSU 11437506** ..... **2.99**



## 100-watt soldering gun with light

Plenty of power to make soldering jobs easier. High-speed—pull trigger and the tip reaches full temperature in just seconds. Built-in light illuminates work. Rugged gun is ideal for demanding jobs such as soldering plugs on cables. Comfort molded pistol-grip.
**64-2193** ..... **12.99**




## Pencil soldering irons

**(1) Extra-versatile dual-wattage iron.** Just flip the switch on the handle to go from 15 watts to 30 watts. Handles most electronic and electrical projects. **64-2055** ..... **9.99**
Replacement tip. 64-2065 ..... 1.19

**(2) 30-watt mobile.** Plugs into car cigarette lighter socket. Ideal for automotive accessory and car stereo wiring jobs. Extra-long 12-foot cord. 12VDC. **64-2105** ..... **8.99**
Replacement tip. 64-2072 ..... 1.29

**(3) 15-watt with grounded tip.** Good choice for integrated circuit work. **64-2051** ..... **7.99**
Replacement tip. 64-2052 ..... 99¢

**(4) 40-watt, ideal for larger jobs.** Produces 600-640°F. Screw-in 1/4" tip. Includes safety stand. **64-2071** ..... **7.99**
Replacement tip. 64-2072 ..... 1.29

**30-watt pencil. 64-2067** ..... **5.99**
Replacement tip. 64-2065 ..... 1.19

**25-watt pencil.** 5/32" tip. **64-2070** ..... **6.99**
Replacement tip. 64-2073 ..... 1.29



## "Cool-grip" 30-watt soldering gun

The comfortable molded handle is easy to hold, even on those big jobs. "Cool-grip" design keeps your hand from getting overheated while soldering. Just the thing for benchtop or hobby work. **64-2066** ..... **6.49**
Replacement tip. 64-2065 ..... 1.19

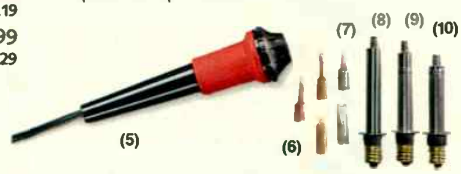


## Gas-powered soldering iron

Use anywhere! Provides up to 60 minutes of heating, and refills in seconds with standard butane lighter fuel. Adjustable output, equivalent to 10-60 watts. Includes 2.4mm tip. Add optional tips for use as a blow torch, hot knife, heat blower! **64-2182** .... **34.99**

Replacement, special-purpose tips
1mm. **64-2183** ..... **9.99**
2.4mm. (64-2162 CMC)
**RSU 10038024** ..... **9.99**
Heat blower. (64-2169 CMC)
**RSU 10038040** ..... **9.99**
Hot knife tip. (64-2170 CMC)
**RSU 10038057** ..... **9.99**
Blow torch. (64-2168 CMC)
**RSU 10038032** ..... **9.99**
Set of 4 tips. (64-2171 CMC)
**RSU 10038065** ..... **29.99**






## Custom-assemble an iron to fit your exact needs

Just mix and match the heating elements, handle and tips.

| Fig. | Description | RSU No. | Cat. No. | Price |
|---|---|---|---|---|
| 5 | Cool-Grip Handle | | 64-2080 | 6.99 |
| | Grounded Handle | 10038008 | CMC 64-2077 | 10.99 |
| 6 | Light, Medium, Heavy-Duty Tips (3) | | 64-2084 | 5.99 |
| 7 | Iron-Clad Light-Duty Tips (2) | | 64-2089 | 5.49 |
| | Surface-Mount Tips (2) | 10037992 | CMC 64-2074 | 5.49 |
| 8 | 900°F, 45W | 10038016 | CMC 64-2083 | 10.99 |
| 9 | 700°F Heating Unit, 23 Watts | | 64-2081 | 7.99 |
| 10 | 800°F Heating Unit, 33 Watts | | 64-2082 | 8.99 |



Soldering iron sold seperately

## New Auto solder feeder allows one-hand soldering

Easy to use! Feeds solder with the squeeze of a finger for no-hassle one-hand soldering. Uses 0.5mm to 1.8mm diameter solder. Attaches to Radio Shack* and other pencil soldering irons. **64-2064** ..... **7.49**

*Use with Radio Shack catalog numbers: 64-2051, 64-2055, 64-2067, 64-2070, 64-2071, 64-2802, 64-2803

### Extra tips for soldering guns

| For Use With | Cat. No. | Pkg. of 2 |
|---|---|---|
| Archer 64-2193/2192 | 64-239 | 1.99 |
| Weller D440, 8200 and Archer 64-2190 | 64-237 | 1.99 |
| Weller D550 | 64-234 | 1.99 |

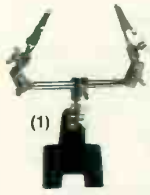
ALL Radio Shack AC operated equipment is UL Listed. Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.

World Radio History



## 5-piece basic soldering set

Includes everything you need for basic soldering jobs in one package. Comes with a 30-watt soldering iron, iron safety stand, rosin core solder, soldering helper, heat sink, plus easy-to-follow beginner's soldering instructions. **64-2802** ..... **7.99**



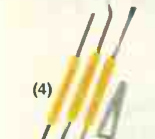
(1) **Extra "hands" to hold work.** Double-hand holder. Ball joints permit movement to best working angle. Alligator clips hold small parts securely. Solid cast-iron base prevents tipping. **64-2093** ..... **9.99**



(2) **Mini-vise with vacuum base.** Holds parts securely for on-the-spot soldering, gluing and drilling. **64-2094** ..... **4.49**



(3) **Soldering iron holder and cleaner.** All-in-one solder station helps keep your workbench free from solder splatters and burn marks. Coil holder protects you and your work while the convenient sponge pad cleans soldering tip. **64-2078** ..... **6.49**



(4) **4-piece solder/desoldering tool set.** Heat sink prevents damage to sensitive components when soldering. Also includes a versatile brush/scraper and two probes. **64-2227** ..... **4.19**



(5) **4-piece probe set.** Professional picks designed for precision work—scribing, marking, separating, positioning and counting. Hardened, tempered stainless steel. **64-1941** ..... **9.99**



(6) **Locking forceps.** Stainless steel. Curved tip. 6" long. **64-1866** ..... **4.99**

**Straight locking forceps.** 5¼" long. **64-1910** ..... **1.99**

**Locking forceps.** Stainless steel. Hard polished joint construction. Serrated tips, snap locks. 5½" long. **64-1940** ..... **4.79**



(7) **One-handed desoldering iron.** Desoldering made easy! Leaves one hand free. Vacuum bulb and replaceable tip. 45 watts. 8" long. 5-foot cord. **64-2060** ..... **8.99**

**Replacement tip. 64-2061** ..... **1.29**

**Heavy-duty desoldering tip. 64-2062** ..... **1.99**



(8) **Vacuum desoldering tool.** Heavy-duty vacuum device pulls up hot solder—no mess, no fuss. **64-2098** ..... **6.99**



(9) **Desoldering tool.** Spring action, lifts solder with little effort. Easy, one-handed operation. **64-2120** ..... **5.99**



## New 11-piece soldering tool set

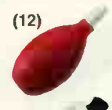
Tops for kit builders and light to medium-duty work. 30-watt pencil iron, iron safety stand, rosin core solder, solder helper, 5½" longnose pliers, 5¼" diagonal cutter, 5¾" and 4¼" regular screwdrivers, 4½" Phillips screwdriver, heat sink and carry case. **64-2803** ..... **19.99**



(10) **Tip tinner/cleaner compound.** Keeps your soldering iron ready for making quick and efficient connections, and prevents oxidation of tips. Chemically neutral and non-toxic. **64-020** ..... **5.99**



(11) **Desoldering braid.** Just press onto solder connection with hot iron, solder wicks-up to braid. **64-2090** ..... **2.19**



(12) **Desoldering bulb.** Easy! Heat up solder to molten state and vacuum up with bulb. **64-2086** .... **2.79**



(13) **Rosin soldering flux.** Nonflammable, cannot spill. Wipes clean with cloth or solvent. 1 oz. **64-021** ... **1.99**



(14) **Solder-weld.** Silver-bearing paste. Use with lighter or iron. Ideal for RF hookups. 7.1 grams. **64-029** ..... **2.99**



(15) **New Aluminum/pot-metal solder paste.** Heat with a lighter or small torch. Great for jewelry/auto repairs. 7.1 grams. **64-051** ..... **4.99**



(16) **Lead-free solder.** High-strength. For repairing joints on PCBs in computers, TVs, VCRs, CBs, Ham radios. 96% tin/4% silver. 0.032" diameter size. 0.25 oz. **64-025** ..... **2.79**

**Above in 0.062" size.** 0.5 oz. **64-026** ..... **2.79**



(17) **New Lead-free rosin-core solder** For fine electronic soldering. 0.050" size , 97% tin/3% copper. 2 oz. **64-027** ..... **5.49**



(18) **Solder tape strips.** Solder with a match! For outdoor hookups, antenna jobs. Pkg. of 100. **64-010, 1.49**

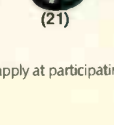


(19) **Rosin core solder.** Standard 60/40 formula.

.062", 0.5 oz. **64-001** ..... **99¢**
.062", 1.5 oz. **64-002** ..... **1.99**
.062", 4.0 oz. **64-004** ..... **3.99**
.062", 8.0 oz. **64-007** ..... **6.49**
.062", 1 lb. **64-008** ..... **9.99**
.050", 1.5 oz. **64-006** ..... **2.49**
.032", 2.5 oz. **64-005** ..... **3.49**
.032", 8.0 oz. **64-009** ..... **7.99**



(20) **Silver solder.** High-grade solder, ideal for surface-mount devices. 62/36/2% formula. 0.022" size. 1.5 oz. **64-013** ..... **3.29**



(21) **Hi-tech solder.** 63/37% formula. 0.050" size. 1.5 oz. **64-015** ..... **2.79**

*QUESTION:*
*What is the correct way to solder?*

Q&A

*ANSWER: Follow these three steps:*

*ONE: The connection to be soldered must be clean. A small file, sandpaper or steel brush can be used if needed. With electronic equipment, you should always use a rosin core solder. Use Radio Shack's for best results.*

*TWO: When first using a new gun or iron, coat the tip with solder to prevent oxides from forming, then immediately brush off the excess with a soft cloth to form a smooth, silvery soldering surface. This process is called "tinning" and should be performed periodically for efficient soldering.*

*THREE: Apply tapered surface of the tip to the connection. Allow connection to become hot, then apply solder (see picture below). Don't use the point to melt solder—let the connection melt it to avoid "cold" solder joints (poor joints that go bad later). When solder begins to flow, carefully lift tip away from work while keeping the connection stable. When soldering delicate components, work quickly and use a heat sink to draw off damaging heat.*

*Caution: Do not touch hot iron tip or molten solder*






## Pocket-size torch kit for soldering/brazing

Produces up to 5000° F in an adjustable pinpoint flame. Great for those on-the-run repair jobs requiring high, pinpoint heat. Will heat, braze or cut most metals, including noble and rare metals, so it's ideal for jewelry repair. With one butane and two micronox cylinders, two tips, storage tray. **64-2165** .... **29.99**



## Mini butane torch fits in pocket or toolbox

Heats to 2500° F. Designed for creative metal work and minor repairs in the home, shop or field. For soldering, heating, removing paint. One refill cylinder. **64-2164** ..... **14.99**

**Extra cylinders.**
**Butane. 64-2166** ..... **Pkg. of 2/3.99**
**Micronox. 64-2167** ..... **Pkg. of 2/2.99**

Radio Shack solder meets QQ-571-E Federal standards. Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability)

World Radio History

# Jobs go easier and faster with the right tools.



## Wire-crimping tool set

Here's everything you need to install the popular crimp-on terminals used in automotive and electrical wiring. Includes heavy-duty crimp tool with a built-in wire stripper, 100 assorted crimp terminals and a see-through organizer case. **64-409** ..... **12.99**



## Crimping tools

**8½" crimping tool.** Crimps terminals on wires. Built-in cutter/stripper for 10 to 22-gauge wire. **64-404** ..... **5.99**

**Phone installation tool.** Installs spade lugs, butt connectors and terminals on phone wiring. Great for computer crimp connectors, too. **64-410**... **7.99**



## Alignment tool sets

For adjusting coil and transformer slug cores, trimmer capacitors and pots.

**3-piece anti-static set. 64-2230**.. **3.99**
**5-pc. TV alignment set. 64-2220** ..... **2.99**
**2-piece TV alignment set. 64-2223** ..... **99¢**



## Precision knives

**10-blade set.** Metal handle and 10 interchangeable steel blades for exact cutting and scribing. Includes fitted storage case. An excellent knife set for art, graphics, crafts and hobby projects. **64-1801**..... **4.99**
**Multipurpose metal hobby knife. 64-1805** ... **1.49**



## Hex key sets

**8-piece ball-end hex key set.** Ball-end design allows insertion at angles up to 25°. Heavy-duty steel alloy. **64-1817** ..... **8.99**

**18-piece standard hex key set. 64-1816** ..... **6.79**



## 5-piece needle file set

Designed for precise filing on models, hobby kits, printed circuit boards and more. Ideal for deburring drilled holes and preparing the surfaces of plugs and connectors for soldering. **64-1985** ... **6.49**

# High Quality at Low Cost



## Locking forceps

Ideal for selecting and positioning small parts.

**5" mini forceps. Molded handles. 64-1910**.... **1.99**
**5½" stainless steel forceps. 64-1940** ..... **4.79**
**6" stainless steel forceps. 64-1866** ..... **4.99**



## Nibbling tool

Cuts light-gauge sheet metal, copper, aluminum or plastic—a "nibble" with each squeeze of the handles. Great for car stereo installation, crafts and projects. **64-823** ..... **10.99**



**New** **14-piece computer tool set**

Includes anti-static IC inserter and extractor, non-conductive parts retriever, tweezers, four demagnetized screwdrivers—⅛" and 1/16" slot, #0 and #1 Phillips—plus 3/16" and ¼" nutdrivers, T10 and T15 Torx, parts tube, zippered case. **64-1990**..... **14.99**



## Enervac® cordless mini vacuum

Just right for quick cleanups in workshop, vehicle, around the house. Includes brush and nozzle attachments. Easy-to-clean filter. 9¼" long. Requires 4 "AA" batteries. **61-2504**..... **9.99**

## Screwdrivers and specialty tools



### Multi-tip driver

Four reversible steel tips provide slot, Phillips and Torx ends in eight popular sizes. Tips store in the sure-grip handle and the shank doubles as a ¼" nutdriver. **64-1967** ..... **9.99**



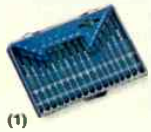
### 7-pc. screwdriver set

Deluxe set of drivers includes ¼" × 1½" stubby, ⅛" × 2" midget-size, 3/16" × 6" cabinet, 3/16" × 4" and ¼" × 4" mechanic's slot-type screwdrivers, plus #1 and #2 Phillips screwdrivers. **64-1823** ..... **7.99**



### Screw starter

For slot or Phillips screws. This 8¼" ribbed shaft helps you align and start screws faster and easier. **64-1966** .... **4.99**



(1)



(2)

### Jeweler's driver sets

**(1) 16-piece screwdriver and nutdriver set.** Small precision drivers in a fitted case. For repair work, hobbies, watches. **64-1961** ..... **10.99**

**6-piece slot mini drivers.** 1/32", 3/64", 5/64", 3/32", ⅛", 9/64". **64-1948, 4.59**

**6-piece combo set.** #1 and #0 slot, 1.4, 2.0, 2.4, 2.9 mm Phillips. **64-1959** ..... **4.69**

**6-pc. mini Phillips.** 1.4, 1.6, 2.0, 2.4, 2.9, 3.8 mm. **64-1962**.... **4.59**

**(2) 3-piece mini slot set.** In plastic pouch. **64-1982** ..... **1.59**



### Reversible driver

Driver has 3/16" slot-type on one end and a #1 Phillips on the other. Durable, easy-grip handle. **64-1950** ..... **2.99**



### STUDFINDER™

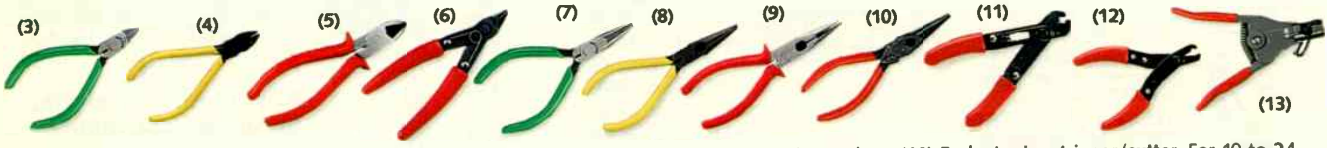
Ends guessing! Shows exact center of wooden studs or metal framing. Also spots pipes and conduits. Makes it easy to hang pictures, shelves or cabinets. Automatically recalibrates. Requires 9V battery. **64-2825** ..... **24.99**



### Ultrasonic digital "tape" measure

No tape—just aim and read—uses ultrasound to measure distances. Also calculates square or cubic feet and stores measurements. A great timesaver for do-it-yourselfers, installers and realtors. Requires 4 "AAA" batteries. **63-645** ..... **24.99**

## Wire cutters, strippers and pliers




**(3) Diagonal wire cutters.** Spring action. Cutting edges electronically hardened. **64-1930**..... **6.99**

**(4) 4½" diagonal cutters.** Spring action. **64-1813** ..... **6.99**

**(5) 6" diagonal electrical cutters.** Heavy-duty forged steel. Flared insulated grips. **64-1845**... **3.99**

**(6) 5" nippy cutters.** Flush cutting—trims leads close to PC boards. Spring action. **64-1833** ... **3.99**

**(7) Thin long-nose pliers.** Spring action. Serrated jaws for non-slip grip. Alloy steel. **64-1931**..... **6.99**

**(8) 5¼" long-nose pliers.** Pro quality with spring-action return. **64-1812** ..... **6.99**

**(9) 6¼" long-nose pliers.** Hardened steel. With wire cutter and flared grips. **64-1844**..... **3.99**

**(10) 4-in-1 long-nose pliers.** Built-in wire stripper, wire cutter and cord divider. **64-1847**..... **4.99**

**(11) Budget wire-stripper/cutter.** For 10 to 24-gauge wire. **64-2129**..... **2.99**

**(12) "Dial" wire stripper/cutter.** Set the dial to perfectly strip 12 to 24-gauge wire. **64-1952** ..... **4.59**

**(13) Automatic wire stripper.** Holds wire while its blade strips insulation. For 8 to 22-gauge wire. This pro-quality spring-action tool is fast and gives you nick-free strips every time. 7" long. **64-1919**.. **12.99**

Large-quantity discounts are available at participating at Radio Shack stores and dealers.

World Radio History



### 5-pack of colorful electrical tape

Five 3/4" x 12-foot rolls of premium quality, UL listed electrical tape, each roll a different color—perfect for color-coding electrical hookups, storage boxes and many other uses around your home, workshop and vehicle. **64-2340** ..... **Set 2.49**



### High dielectric strength PVC tape

Rated 10,000 volts. Excellent for electronic, automotive and household use.
1/2" x 12 1/2 feet. **64-2348** .. **69¢**
3/4" x 20 feet. **64-2349** .... **99¢**
3/4" x 66 feet. **64-2350** .... **1.99**



### Super-strength electrical tape

Our very finest. This tough 7-mil tape is moisture resistant, fire retardant and can withstand 0° to 220° F temperatures without cracking or peeling. UL listed. 600-volt rating. 3/4" x 66-foot roll. **64-2352** ..... **3.49**



### All-purpose sealing tape

Provides an airtight seal against the weather. This strong-adhesive tape is unaffected by normal heat, cold or humidity. 2" x 30-foot roll. **64-2347** ..... **2.49**



### Self-fusing silicone tape

Convenient alternative to heat-shrink tubing and tape—faster and easier to use. Self-fuses to create a tight, permanent bond. High dielectric strength. 1" x 3-ft. roll. **64-2336** .. **2.49**



### Epoxy in a twin tube dispenser

No measuring, less waste and mess. Just press the plunger to meter out the proper ratio of resin and hardener. Bonds wood, metal fiberglass, ceramics, china and glass. 1 oz.
**64-2313** ..... **2.79**



### Pushbutton super-glue

Super easy, super fast. Pushbutton dispenser means no waste or mess. Bonds in seconds, develops strength up to 5000 psi. For aluminum, steel, bronze, copper, ceramics, some plastics. Dries clear. 0.7 oz. **64-2327** .... **2.59**



### Silicone rubber sealant

Ideal for sealing windshields, glass in aluminum frames, aquariums and antenna installations. Also great for caulking bathroom tiles and fixtures. Cures to a tough, flexible moistureproof seal. Big 3 oz. tube. **64-2314** ... **2.99**



### Double-sided foam tape

1,005 handy uses around home, shop and office. Attach accessories to vehicle dash, telephone, TV, desk, inside kitchen cabinets and—well, you'll quickly find the other 1,000 uses. 3/4" x 40" roll. **64-2343** ..... **1.99**



### SUPERMOUNT™ tape

Double-sided foam tape with extra sticking power. Shear strength: 4 lbs per square inch. Includes four 1" x 3" strips. **64-2361** ..... **1.99**

Standard double-sided tape. Eight 1" x 3" strips. **64-2344** ..... **1.99**



### Hook-and-loop strips

For temporarily or permanently attaching items—accessories to car dash, grill cloth to speakers, small pictures to wall. Holds firmly but can be peeled apart easily. Four 3" self-adhesive strips. **64-2345, 2.59**



### SUPERLOCK™ strips

Super hook-and-loop fasteners have five times the holding power of ordinary mounting strips. Includes four 1" x 3" strips. Tensile strength: 4 pounds per square inch. Shear strength: 4 pounds per square inch. **64-2360** ..... **2.99**



### SUPERLOCK clear

These hook-and-loop fasteners are ideal for mounting objects on glass or a nonporous surface. Set of four 3" strips. Tensile strength: 4 lbs./in. Shear strength: 4 lbs./in.
**64-2363** ..... **3.19**



### Quick-bond glue

Bonds most nonporous materials in seconds—metal, glass, plastic, rubber, vinyl and ceramics. Great for repairing china cups, figurines, circuit boards, toys. Seals plastic or aluminum housings and many other uses. 0.11 oz. **64-2308** .. **1.79**



### One-minute epoxy glue

Get the strength of an epoxy bond without the long wait. Automatically meters out the correct amounts of resin and hardener. Easy to use, and helps reduce waste. 1 oz. **64-2328** ..... **3.99**



### Jumbo-size self-stick feet

The ones to choose for heavier equipment. They mount on the bottom of equipment to help prevent damage and scratches on desk, table, shelf or cabinet. Size: 3/4" square.
**64-2342** ..... **Pkg. of 8/1.49**

# Big Selection at Our Store Near You

*Radio Shack has what you need to keep things together: high-strength electrical & sealing tapes, dependable fasteners, powerful magnets & quick-setting glues.*

***Important specifications for tape & fasteners:*** *Tensile strength is the ability of a tape to resist breaking. Shear strength is effectiveness of a tape's adhesive. Both are measured in pounds per square inch; higher numbers mean higher strength.*



### New Shock-absorbing self-stick bumpers

Hexagonal 3/8" pads are ideal for use on cabinets, picture frames, mirrors, drawers and small project housings. Help protect walls and furniture. 27-piece set. **64-2338** .... **1.19**



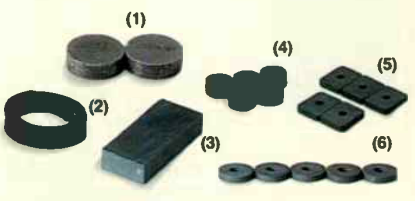
### Self-stick rubber feet

Protect desk, table or work area from damage. Just peel the paper off these adhesive-backed feet and stick one on each corner of the bottom of equipment. **64-2346** ..... **Pkg. of 12/99¢**



### Clear cushion feet

Self-adhesive 1/2" round plastic protectors. Put them on the bottom of equipment to help prevent scratches on your table, desk or shelf or work area. **64-2365** ..... **Pkg. of 12/1.19**




### Bargain-priced magnets

Great for science projects and experiments as well as everyday uses such as holding notes on a file cabinet or the fridge.

**(1) Rare-earth super magnets.** Powerful pull yet only 1/8" diameter. **64-1895** ..... **Pair 1.49**

**(2) Magnetic tape.** Use to hold signs or small tools on iron or steel surfaces. Adhesive backed. 1/2" x 30". **64-1890** ..... **99¢**

**(3) High-energy ceramic magnet.** 1 7/8 x 7/8 x 3/8". **64-1877** ..... **99¢**

**Ceramic magnets.** High-power pull at low cost.

| Fig. | Description | Cat. No. | Pkg. of 5 |
|---|---|---|---|
| 4 | 1/2" button | 64-1883 | 1.49 |
| 5 | 1" rectangle | 64-1879 | 1.69 |
| 6 | 1 1/2" round | 64-1888 | 1.69 |

We also have a big selection of wire and fasteners—see pages 118-119.

World Radio History

# LCD-digital multimeters.

## We Have the Multimeter Ideal for You

*A Radio Shack multimeter is the fast and easy way to spot everyday problems like damaged cords, bad connections and "blown" fuses. Our meters with a built-in continuity buzzer find many common faults almost instantly, and can help you avoid unnecessary repair bills.*

*Our selection includes everything from basic models for general household and vehicle use to advanced multimeters with capabilities undreamed of only a short time ago.* ***All are UL listed.***




### PC interface, 20-MHz frequency counter

This multimeter works alone, or you can connect it to a PC-compatible computer for advanced uses such as unattended measurement recording with time logging. The memory can also store 10 measurements for later display or downloading. Includes interface cable and Windows®/MS-DOS®-compatible software on a $3^1/_2$" floppy. Features 20-MHz frequency counter, capacitance and transistor-gain measurement, and logic-probe function. Dual display allows simultaneous readings, for example: AC voltage and frequency, or DC voltage/logic-level and ripple. Handy continuity buzzer, diode-check, data-hold and min./max functions. Bargraph. Auto power-off helps save batteries. With case. $7^3/_8 \times 3^7/_{16} \times 1^5/_{16}$". Requires 9V battery. **22-168** ..... **129.99**




### Bench or portable, True RMS

Super features! Auto-ranging, 2 MHz frequency counter, transistor gain, capacitance, continuity buzzer, diode-check. True RMS for accurate AC readings. Data hold, min./max., relative measurements, dB. 48 functions! $2^{11}/_{16} \times 8^1/_2 \times 4^3/_4$". Requires 6 "AA" batts. **22-175** .. **89.99**




### Auto-ranging, holster

Take it along! A rubber holster protects it from damage. Auto-range operation: you select function, meter sets range. Continuity buzzer, data hold, DC microampere (low-current) range, diode-check, bargraph. Auto power off. Stand, hang-up slot. $7^1/_2 \times 3^5/_8 \times 1^5/_8$". Requires 2 "AA" batts. **22-167**.... **69.99**




### True RMS, temperature

Measures temperature in C° or F° (includes probe). Auto-ranging. Measures True RMS AC volts/current, frequency to 2 MHz, dBm, capacitance, transistor gain—even shows NPN/PNP polarity and E-C-B pinout on display! Diode-check, continuity, stand. $7 \times 3^3/_8 \times 1^5/_8$". Requires 6 "AA" batteries. **22-174**..... **89.99**




### Single-hand operation

Edge-placed controls for one-hand operation. Continuity buzzer checks wiring, connections. Diode-check tests semiconductor junctions. Auto-polarity for valid readings if you connect leads in reverse. Low-battery indicator, stand. $6^5/_8 \times 3^1/_{16} \times 1^5/_{16}$". Requires 4 "AA" batteries.
**22-183**..... **59.99**




### True RMS, capacitance

True RMS for more accurate AC volts/current readings. Measures capacitors, transistor gain. Checks diode and transistor junctions. Data hold freezes display to provide a "snapshot" of fast-changing readings. Bargraph, continuity buzzer, stand. $6^5/_{16} \times 3^1/_8 \times 1^3/_8$." Requires 3 "AA" batts. **22-181** .... **79.99**




### With auto-ranging

Simplified controls, perfect for household or automotive use. Select function—volts, current or resistance—and range is set for you. Manual override, continuity buzzer, data hold to freeze display, overload alert, stand. $6^1/_{16} \times 2^1/_{16} \times 1^9/_{16}$". Requires 2 "AA" batteries.
**22-163**..... **49.99**

### Features comparison chart for Radio Shack digital multimeters and analog multitesters

| Meter Cat. No. | Display Type | Continuity Buzzer | Auto-Ranging | Manual Range Select | Total Ranges/ Modes | Display Digits | Bar Graph Display | True RMS | Frequency Counter | Measures Capacitors | Measures Transistor Gain | Diode/ Transistor Check | Auto-Polarity | Data Hold | Uses Fuse(s) | Maximum Measurements: DC Volts | AC Volts | DC Amps | AC Amps | Ohms | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22-212 | Analog | | | ✔ | 8 | | | | | | | | | | 0.315A | 1000 | 1000 | 150mA | | 100K | **14.99** |
| 22-221 | Analog | | | ✔ | 18 | | | | | | | | | | 0.5A | 1000 | 1000 | 250mA | | 2M | **24.99** |
| 22-211 | Analog | | | ✔ | 25 | | | | | | | | | | 0.5A | 1200 | 1200 | 300mA | | 2M | **34.99** |
| 22-215 | Analog | ✔ | | ✔ | 43 | | | | | | | | | | 0.75A | 1000 | 1000 | 10 | | 20M | **49.99** |
| 22-216 | Analog | ✔ | ✔ | ✔ | 28 | | | | | | | | ✔ | | 0.5A | 1000 | 1000 | 3 | 3 | 200M | **59.99** |
| 22-179 | Digital | ✔ | ✔ | | 15 | $3^3/_4$ | | | | | | ✔ | ✔ | | | 400 | 400 | | | 4M | **24.99** |
| 22-166 | Digital | | ✔ | | 16 | $3^1/_2$ | | | | | | ✔ | ✔ | | 0.315A | 1000 | 750 | 200mA | | 20M | **39.99** |
| 22-163 | Digital | ✔ | ✔ | ✔ | 22 | $3^3/_4$ | | | | | | | ✔ | ✔ | 0.5A | 1000 | 750 | 10 | 10 | 4M | **49.99** |
| 22-183 | Digital | ✔ | | ✔ | 25 | $3^2/_3$ | | | | | | ✔ | ✔ | | 0.5A | 1000 | 750 | 10 | 1 | 30M | **59.99** |
| 22-167 | Digital | ✔ | ✔ | ✔ | 28 | $3^3/_4$ | ✔ | | | | | ✔ | ✔ | ✔ | 0.5A | 1000 | 750 | 10 | 10 | 30M | **69.99** |
| 22-181 | Digital | ✔ | | ✔ | 36 | $3^2/_3$ | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | 0.5A, 0.063A | 1000 | 750 | 10 | 10 | 40M | **79.99** |
| 22-174 | Digital | ✔ | ✔ | ✔ | 48 | $3^2/_3$ | ✔ | ✔ | 2 MHz | ✔ | ✔ | ✔ | ✔ | ✔ | 0.5A, 0.063A | 1000 | 750 | 10 | 10 | 19.9M | **89.99** |
| 22-175 | Digital | ✔ | ✔ | ✔ | 48 | $3^2/_3$ | ✔ | ✔ | 2 MHz | ✔ | ✔ | ✔ | ✔ | ✔ | 0.5A, 0.063A | 1000 | 750 | 10 | 10 | 19.9M | **89.99** |
| 22-168 | Digital | ✔ | | ✔ | 38 | $3^1/_2$ | ✔ | | 20 MHz | ✔ | ✔ | ✔ | ✔ | ✔ | 2A, 20A | 1000 | 750 | 20 | 20 | 2000M | **129.99** |

Multimeters have 10-megohm input sensitivity for high accuracy. Multimeters, multitesters, and AC ammeter are listed under UL 1244. Windows and MS-DOS are trademarks of Microsoft Corp.

World Radio History

# Digital multimeters, analog multitesters, more.



## Pocket-size LCD frequency counter

Accurate! Shows frequency of a nearby transmitter or RF source from 1 to 1300 MHz. Great for service work, it instantly confirms RF output from cordless telephones, CBs, radio-control toy remotes, and radio/TV circuits. Hams can use it to set a VFO precisely on frequency. Features a switchable backlight, selectable slow (1.28 S) or fast (128 mS) update, selectable 50-ohm or high-impedance input via BNC connector. Rugged 5 3/8"-high case. Includes telescoping antenna. Requires 4 "AA" alkaline or Ni-Cd batteries or AC adapter/charger #273-1455. **22-305** .... **99.99**



## Pocket-size digital multimeter

Basic, rugged, compact and very affordable. Take it along or keep it handy in your toolbox, vehicle glovebox, desk or kitchen drawer. The continuity buzzer lets you quick-check fuses, cords, connections and more. The audible indication frees your eyes for faster troubleshooting. Features selectable auto-ranging or manual operation, recessed controls, low-battery and overrange indicators. Measures DC volts, AC volts, and resistance. 4 1/4 × 2 3/16 × 3/8". Includes vinyl case and batteries. **22-179** ..... **24.99**



## Auto-ranging digital multimeter

Super-easy to use! Select DC volts, AC volts, resistance, DC current—the meter sets the correct range for you. Diode-check for quick-testing diodes and transistors. Autopolarity gives you valid readings if you connect test leads in reverse. Low-battery indicator. 5 × 3 × 1 1/8". Requires 2 "AA" batteries. **22-166, 39.99**



## Pocket-size 8-range analog multitester

Great for beginners or for a second meter. Measures AC or DC volts, DC current, resistance. Range selector has "off" position to protect meter movement during travel. Provides 2000 ohms-per-volt DC sensitivity. 3 7/8 × 2 1/2 × 1 1/4". Requires one "AA" battery. **22-212** ..... **14.99**



## Fold-up 25-range analog multitester

Folds for travel, storage. When shut, the meter movement is shunt-protected. Detented hinge lets you adjust display viewing angle. DC/AC volts, DC current, resistance, dB. Up to 20,000Ω per volt. Open, 7 5/16 × 4 3/8 × 1 5/16". Requires "AA" battery. **22-211** ..... **34.99**



## Analog multitester with auto-ranging

Exclusive! Combines the trend-indicating ability of an analog display and the convenience of auto-ranging. Select function; tester sets range. LED range indicators. Autopolarity, continuity buzzer, mV and µamp ranges, 4 1/8" color-coded scale. 6 11/16 × 4 11/16 × 1 9/16". Req. 4 "AA" batteries. **22-216** ..... **59.99**



## 18-range analog multitester

Features an easy-to-read 3" meter with color-coded, mirrored scale. Precision fuse-protected movement resists mechanical shock. Measures DC and AC volts, DC current, resistance, dB. 20,000Ω-per-volt DC sensitivity. 5 1/8 × 3 1/2 × 1 9/16". Requires "AA" battery. **22-221** ..... **24.99**



## Analog multitester with range-doubler

Range-doubler instantly provides extra resolution for current and voltage measurements. Continuity buzzer, 43 ranges including 125 mV and 25 µamp DC, 4 1/2" color-coded scale. Up to 50,000Ω-per-volt DC sensitivity. 6 5/8 × 5 3/16 × 1 13/16". Requires one "AA", one 9V battery. **22-215** ..... **49.99**

## A 20-MHz oscilloscope in a probe!

*Available Nov. 30, 1995*




*Includes software and cables*

### New Probe-style oscilloscope works alone or with your PC

Think of it—an oscilloscope you can *easily* take along or connect to a laptop or desktop PC to provide an extra-large 'scope display. View waveforms and voltages on the PC screen, store or print them. Despite the small size, its usefulness can match larger, more costly portable oscilloscopes. Features digital voltmeter mode and 16 × 32-pixel backlit LCD display. With Windows/DOS software and serial cable. 6 1/2 × 1 5/16 × 1 3/16". **22-310** ..... **99.99**

**Sampling rates:** 50 nS, 100 nS, 0.5 µS, 1 µS, 5 µS, 10 µS, 50 µS, 0.1 mS, 0.5 mS, 1 mS. **Input divider:** 1V, 10V, 100V. **Impedance:** 1 MΩ. **Power:** external 6-9VDC via included cable. **Trigger:** ± Internal, ± External, auto. **For PC use:** Requires at least 128K main memory, RS232 serial port, VGA or EGA monitor.



## Make your tester more versatile

We stock extra test-lead sets, handy wire-piercing probe adapters and clip adapters. See page 138.



## Timesaving digital-logic probe

Color-coded LEDs indicate high, low or pulsed logic states (up to 10 MHz). Tone frees eyes for faster testing. CMOS/TTL-LS selector. **22-303** ..... **17.99**



## "Using Your Meter"

This easy-to-understand 168-page book explains test hookups for home appliances, car electrical systems and many electronic circuits. **62-2039, 5.99**



### New Automotive electrical tester

Pocket-size, easy-to-use, versatile! Tests vehicle battery, indicates if ignition is delivering "spark" to plugs, spots bad wires and fuses. Built-in light helps you position tester tip. With batteries. **22-105** ..... **19.99**



## 0-15VDC voltmeter

Ideal for monitoring a power supply or car electrical system. 2 1/4" high. Mounts in 1 7/8"-dia. panel hole. **270-1754** .... **12.99**



## Clamp-on AC ammeter

Now you can measure AC circuit loads and power consumption of AC appliances like the pros. This meter measures AC current without a direct connection to circuit and measures AC volts with the included test probes. Clamp jaws permit quick insertion into a tight space. The lock-switch freezes the scale pointer so you can remove the meter for easier reading. Measures up to 300 amps AC in five ranges, up to 600 volts DC in two ranges. Included pickup/multiplier lets you measure power consumption of any 120VAC appliance that has an AC power plug. Compares with other clamp-on AC ammeters costing much more. 7 3/8 × 2 13/16 × 1 3/8". With instructions. **22-161** ..... **49.99**

Protect your tester! Affordable Tandy Service Plans (TSP) are available for multitesters, multimeters, LCD frequency counter and probe-style oscilloscope—see page 217.

World Radio History

# You've got questions. We've got answers.SM




## General interest "how to" books

**Building Speaker Systems.** A detailed description of speakers. Includes plans and parts lists for building four systems. 128 pages. **62-1087 . . 6.99**

**New Advanced Speaker Systems.** Learn how to use a calculator or a computer to design speakers. Subjects include designing for deep bass, crossovers, enclosures. 128 pages. **62-2317 . . 7.99**

**Automotive Sound Systems.** Describes actual installations in specific vehicle types. Provides parts lists, diagrams and illustrations to make installation easier. 128 pages. **62-1092 . . . . . 6.99**

**Antennas—Selection and Installation.** Here's everything you need to know in order to choose and install the best possible antenna system. 112 pages. **62-1083 . . . . . 5.99**

**Installing Home and Auto Security.** How to select and install effective anti-theft devices for your home or vehicle. 119 pages. **62-1086 . . . 6.99**

**Using Your Meter.** Get the most from your VOM or digital multitester. Includes test hookups for many household appliances, car electrical systems and electronic circuits. 128 pages. **62-2039, 5.99**

**Radio Shack Battery Guidebook.** Explains how batteries work. Helps you to select the best batteries for different jobs. 232 pages. **62-1304, 5.99**

**New Basic Electronics.** For anyone who wants to understand electronics. Stresses basic concepts, explains electronic devices and circuits. End-of-chapter quizzes. 224 pages. **62-1394 . . . . . 9.99**

**Getting Started in Electronics, by Forrest Mims, III.** A super "hands on" introduction to building electronic circuits. Features large diagrams and hand-lettered text by one of America's most popular science writers. 128 pages. **276-5003 . . . 2.99**

**Building Power Supplies.** Covers switching and linear-type power supplies. Includes plans for building five useful power supplies from Radio Shack parts. **276-5025 . . . . . 4.99**

**Household and Automotive Electrical Testing Made Easy.** Explains in easy-to-understand language how to test batteries, circuits, appliances, phone wiring, more. 106 pages. **62-1090 . . . . 4.99**

**Installing Telephones.** Complete instructions on phones, wiring and accessories for homes and small businesses. 80 pages. **62-1060 . . . . . 4.99**

## Engineer's mini-notebooks

**By Forrest Mims, III.** Building and testing your own circuits is the fun way to learn about electronics. The notebooks in this series feature the friendly style made famous by Mims—big diagrams and text plus valuable safety tips and suggestions for further experiments. Get 'em all!

**New Environmental Projects.** Learn the basics of environmental science by performing simple experiments and building interesting projects. Topics include sound levels, water vapor, relative humidity, measuring sound, raindrops and cloudiness, building a remote temperature sensor, rain detector and electronic turbidimeter, testing water and pH. 48 pages. **62-5019 . . . . . 1.99**

**Science Projects.** Build interesting projects using ordinary household materials and Radio Shack parts. Shows you how to construct simple batteries, a super capacitor, light and moisture sensors, a wind speed indicator, even a ground-motion "earthquake" detector. 48 pages. **276-5018, 1.99**

**Timer ICs.** Covers the popular 555 and 556 types. Build 28 different circuits, from timers to security alarm. 32 pages. **276-5010 . . . . . 1.99**

**Op Amps.** All about these versatile devices. Complete 40 projects, from audio amplifier to sine wave oscillator. 48 pages. **276-5011 . . . . 1.99**

**Optoelectronics.** Learn about these combination optic and electronic devices by constructing projects ranging from LED circuits to lightwave communication systems. 48 pages. **276-5012 . . . . 1.99**

**Basic Semiconductor Circuits.** Learn to use bipolar transistors, FETs, LEDs, resistors, capacitors, rectifiers, MOSFETs, buzzers and more. 48 pages. **276-5013 . . . . . 1.99**

**Digital Logic Circuits.** Discover the technology behind electronic watches, clocks, calcs and computers. Handy data on the use of gates, TTL and CMOS devices. 48 pages. **62-5014 . . . . . 1.99**

**Communications Projects.** Light beam links, radios, telegraphs, intercom, Morse Code, phone receiver, lots more. 48 pages. **276-5015 . . . . . 1.99**

**Formulas, Tables, Basic Circuits.** Understand Ohm's law, electronic formulas and many other "basics" like current, voltage, resistance, power. 48 pages. **276-5016 . . . . . 1.99**

**Schematic Symbols, Device Packages, Design and Testing.** Troubleshooting tips, component handling, soldering. 48 pages. **276-5017 . . . . 1.99**

## Amateur radio and shortwave

**Listening to Shortwave Radio.** By Ken Winters, N5AUX. Included audio cassette has actual shortwave broadcasts. Discover the fun and excitement of shortwave listening. Covers receivers, antennas, broadcasts and Amateur radio. 64 pages. **62-1021 . . . . . 7.99**

**Now You're Talking.** Study guide for Novice and Technician-class license exams plus an introduction to Ham radio. **62-2414 . . . . . 16.99**

**Amateur Radio Logbook.** The easy way to keep accurate records. Includes handy references on UTC time, "Q" signals, call signs and areas, more. 80 pages. **62-2416 . . . . . 3.99**

**Amateur Radio Code Cassette Tapes.** The easy way to learn! Prepares you for the 5 word-per-minute Novice code test and helps you build speed to pass the 13 wpm General Class test. Four cassettes. **62-2418 . . . . . 17.99**

**No-Code Plus.** Complete study guide for the Novice, Tech and Tech Plus exams. **62-2417, 9.99**

**General Class License Preparation.** Upgrade to General Class the quick and easy way. A fully illustrated text, it includes exact questions and answers from the element 3B exam question pool, helpful instructions for increasing code speed, and study hints. 112 pages. **62-2421, 9.99**

**New Advanced! Class License Preparation.** Upgrade easily! Excellent study guide with all questions in the question pool, with the correct answers and full explanations. 176 pages. **62-2422 . . . . . 10.99**

**Extra Class License Preparation.** Take the final step to the highest level license in the amateur service. Study guide with 433 questions, correct answers with explanations, plus helpful study hints. 160 pages. **62-2419 . . . . . 9.99**



## Video "books" on VHS tapes

**New Security.** Radio Shack Answer Team video explains what you can do to safeguard yourself from crime. **62-2432 . . . . . 6.99**

**Installing Your Own Telephone.** It's easy! Watch this video and learn how to install jacks, phones and phone accessories the right way. **62-2430 . . . . . 5.99**

**New Home Theater.** Learn all about exciting home-theater sound and video. **62-2431 . . . . . 6.99**

ATTENTION TEACHERS! Large-quantity discounts are available at participating Radio Shack stores and dealers.

World Radio History

# Spray Away Problems

*Clean, lubricate and maintain electronic equipment the quick and easy way.*

*Radio Shack offers a great selection of time-saving service chemicals, many with new improved formulas. Our cleaner/degreaser, for instance, dissolves a broader range of contaminants than most others. Our rosin flux remover, unlike some others, will not harm most plastics. Radio Shack's famous tuner cleaners help keep all types of switch contacts and rotary controls in top condition. Just a small amount of cleaner removes dirt and tarnish, usually without having to dismantle equipment. Many of our aerosol products include a brush attachment for better cleaning using less cleaner. All of the aerosol products meet or exceed current EPA requirements.*



**New Tuner and control cleaner/lubricant spray**

Restores performance by cleaning dirty contacts in TV tuners, volume and tone controls, and switches. Ideal for use on all types of home and car electronics. Often, just a quick cleaning eliminates "scratchiness" in volume controls, and drift caused by oxide build-up in rotary-type TV tuners. Easy to use—just spray into control and operate the control through its range. Efficient lubricant helps reduce wear and extends life of contacts. 4.5 oz. **64-4315 . . 7.99**



**New Color TV tuner cleaner/lubricant spray**

Our special concentrated formula works quickly and safely to end problems caused by dirty or tarnished contacts in rotary-type TV tuners, switches, volume and tone controls. In many cases, disassembly of equipment is not required. A flexible extension tube attachment allows application of solvent in hard-to-reach places. Long-lasting lubricant helps reduce wear on contacts and other parts. Non flammable, safe on plastics. 4.5 oz. **64-4320 . . . . . 8.99**



**New Electonics cleaner with brush attachment**

Cleans away dust, dirt and oxides. After spraying, use the included brush to remove heavy concentrations in hard-to-reach places. Safe on most plastics. Leaves no residue. 5.5 oz. **64-4327 . . . 10.99**



**New Cleaner and degreaser kit**

Sprays away grease, oxides, grime—ideal for use on circuit boards, components and more. Safe on plastics. Includes professional grade reusable brush attachment. **64-4322 . . 15.99**
**Refill.** 5 oz. **64-4323 . . . . . 6.99**



**New Dust remover spray in economical 8-oz. size**

Excellent for cleaning delicate surfaces—camera, camcorder and projector lenses, copiers, computer keyboards and screens, LCD displays and more. With extension tube. 8 oz. **64-4326 . . . . . 8.99**



**Dust remover spray**

Great way to clean cameras, circuit boards, copiers, keyboards, projectors and other equipment that has easily scratchable surfaces. Flexible 6" extension tube allows easy cleaning even in hard-to-reach places. 4.5 ounces. **64-4325 . . 6.99**



**New Personal horn for safety or sports events**

Deter trouble or be heard at the game! Its 120-decibel blast can be heard up to a mile away. 1.5 oz. Threaded horn is reusable—just add #64-4325 or #64-4326 dust remover sprays. **49-412 . . . . . 9.99**



**Flux remover**

Easy way to remove rosin flux deposits from printed circuit boards, connectors. Includes professional grade reusable brush attachment. **64-4330 . . 15.99**
**Rosin flux remover refill.** 5 ounces. **64-4324 . . . . . 5.99**



**Cooling spray**

Helps spot components with thermal defects. When intermittent appears, spray suspected part. If normal operation returns, you've found the trouble. Leaves no residue. 4½ oz. **64-4321 . . 6.99**



**No-static cleaner**

This special-formula cleaner helps eliminate dust build-up by neutralizing static electricity on exterior surfaces. It's long lasting and safe. Cleans without scratching surfaces. 6 ounces. **64-3310 . . 3.99**



**Cleaning cloths**

Polyester cellulose, lint free and extremely absorbent. Excellent for cleaning audio tape heads and VCR heads, glasses, camera lenses and other surfaces that are easily scratched.
**64-4344, Pkg. 12/3.49**



**Gold-contact cleaner pen**

Specially formulated for gold contacts—ideal for cleaning computer edge connectors and audio connectors. Leaves a long-lasting protective coating.
**64-4340 . . . . . 6.99**



**Pen-style contact cleaner**

An effective alternative to aerosol spray contact cleaners. Easy-to-use pen tip dispenses cleaning fluid as you gently wipe contacts.
**64-4341 . . . . . 4.99**



**Heat-sink pen**

Use on circuit boards to draw paths that conduct heat away from transistors and other devices that generate heat. Safe on plastics. Silicon-free, non-hardening.
**64-4342 . . . . . 5.99**



**Oiler with TEFLON®**

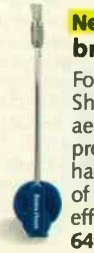
Super-lubricant TEFLON sticks to surface, will not wash off. Precision tip fits into hard-to-reach places. For electronics, electric motors, marine equipment. ¾ oz. **64-2301 . . . . . 2.29**

TEFLON® E.I. duPont De Nemours & Co., Inc.



**Duster upgrade**

Replaces the spray head on an aerosol dust-remover spray—gives you precise control as well as stronger spray stream. The tip swivels 360° for hard-to-reach areas.
**64-4343 . . . . . 9.99**



**New Aerosol brush attachment**

For use with most Radio Shack threaded-valve aerosol solvent cleaning products. Natural horse hair bristles reduce risk of static damage. Allows efficient use of solvent.
**64-4335 . . . . . 12.99**



**New 10-pack of extension straws**

Replacement straws fit Radio Shack aerosol cans and many others. They help you direct spray into hard-to-reach places. **64-4301 . . . . 99¢**



**Household lube gel**

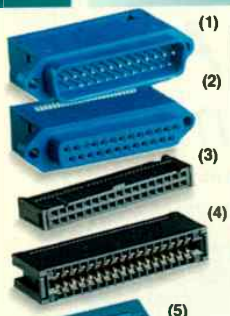
This general-purpose lubricant is perfect for hinges, sliding doors, tools and more. Does not run or cause a mess because the lube gel stays where you put it. Does not cause corrosion. 3-oz. tube. **64-2326 . . . . . 2.99**



World Radio History

# Your Best Source for Computer Cable Connections

*Need a cable or adapter to link up your computer to a printer, peripheral or telephone network system? We have all types of common cables in stock. And, if you need a special cable for a particular need, whether it's for temporary or permanent use, we have all the parts you need to build a professional-style cable yourself!*




## Solderless IDC-type connectors

Couldn't be easier—these Insulation Displacement Connectors (IDC) attach to multiconductor ribbon cable used in many computer peripheral hookups. Just insert the ribbon and push down to lock it into place. No soldering, no screws...no mess!

| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 1 | 25-position D-sub male | 276-1559 | 3.99 |
| 2 | 25-pos. D-sub female | 276-1565 | 3.99 |
| 3 | 34-position header | 276-1525 | 2.49 |
| 4 | 34-position card edge | 276-1564 | 1.99 |




## Computer-to-modular adapters for local-area networks

You can use these connectors to create your own "super information highway" over short distances. Link your computer to other systems and area networks with ordinary telephone wiring instead of the more costly shielded cable.

**(5) RS-232 male D-sub 25 to RJ-11.** Has 6-position modular jack. Connects up to six RS-232 peripheral lines of your choice. **276-1405** ..... **2.99**

**RS-232 female D-sub 25 to RJ-45.** Has 8-position modular jack. **276-1406** ..... **4.49**

**(6) BNC** male connector to modular phone jack. **276-1410** ..... **9.99**




## D-sub hoods for 9-pin and 25-pin D-sub connectors

Professional D-sub casing with built-in strain relief. Fits snugly over D-sub connectors to protect crimp and solder contacts from dirt, dust and damage for higher reliability and stable mounting. Can be used for plug or receptacle connectors. Includes hardware.

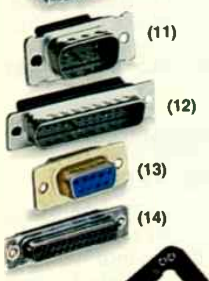
| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 7 | 9-position metal | 276-1508 | 2.19 |
| | 25-position metal | 276-1510 | 2.79 |
| 8 | 25-pos. gender changer | 276-1520 | 1.79 |
| 9 | 9-position nonshielded | 276-1539 | .99 |
| | 25-position nonshielded | 276-1549 | 1.19 |
| 10 | 9-position metalized | 276-1513 | 1.49 |
| | 25-position metalized | 276-1536 | 1.99 |




## Crimp D-sub connectors

Gold-plated contacts for high reliability.

| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 11 | 9-position male | 276-1427 | .99 |
| | 9-position female | 276-1428 | 1.49 |
| 12 | 25-position male | 276-1429 | 1.99 |
| | 25-position female | 276-1430 | 2.49 |




## Solder D-sub connectors

Gold-plated pins and terminals.

| Fig. | Description | Cat. No. | Each |
|---|---|---|---|
| 13 | 9-position male | 276-1537 | .99 |
| | 9-position female | 276-1538 | 1.29 |
| 14 | 25-position male | 276-1547 | 1.49 |
| | 25-pos. female | 276-1548 | 1.99 |
| — | 25-pos. female | (276-1504NP) RSU 11461456 | 2.69 |

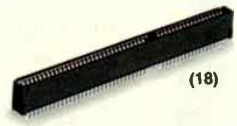



## D-sub and IDC tools

**(15) IDC connector tool.** Quality steel tool makes it easy to attach IDC connectors to flat ribbon cables. (276-1596 CMC) **RSU 10274538** ..... **12.99**

**(16) D-sub pin crimper.** Professional steel tool accepts #20, #24 and #28 connector pins. 6⅞" long. **276-1595** ..... **9.99**

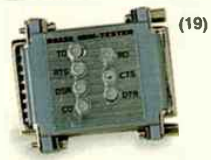
**(17) New D-sub pin insertion/extraction tool.** For crimp type contact pins. **276-1426** ..... **2.99**




## Edge card connector

**(18) For 98-pin AT-bus card. 276-1454** ..... **4.99**

**For 62-pin AT-bus card. 276-1453** ..... **2.99**



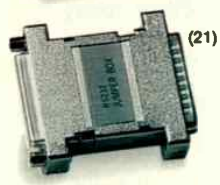

## Peripheral hookup helpers

**(19) RS-232 troubleshooter.** Spots problems fast! Handy checker connects inline to check out computers and peripheral devices. Displays status with LEDs that monitor seven RS-232 data/control lines. D-sub 25. **276-1401** ..... **14.99**

**(20) DIP programming shunts.** Mini shorting jumpers for instant plug-on programming for 0.025" (0.64mm) headers on 0.100" (2.54mm) centers. **276-1512** ..... **Pkg. of 10/1.29**

**(21) RS-232 serial jumper box.** Shielded shunt box allows you to custom design an inline adapter for serial communications to suit your need. Includes jumper, coupling hardware. **276-1403** ..... **9.99**




## DIN connectors

(22) For computer keyboard and peripheral hookups, extension cords and European audio.

| Type | Pins | Cat. No. | Each |
|---|---|---|---|
| Jack | 5 | 274-006 | 1.89 |
| Plug | 5 | 274-003 | 1.89 |
| Plug | 6 | 274-020 | 1.89 |
| Plug | 8 | 274-026 | 1.99 |




## New Mini DIN connectors

(23) Smaller version of Fig. 5 above.

| Type | Pins | Cat. No. | Each |
|---|---|---|---|
| Male | 6 | 276-1474 | 1.49 |
| Female | 6 | 276-1475 | 1.69 |

## Multiconductor cable

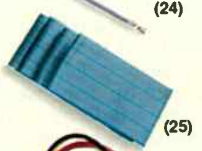
**(24) 4-conductor, dual-shield.** 30-ft. **278-777,8.99**

**(25) Nonshielded ribbon cable.** 25-conductor, 5 feet. **278-772** ..... **3.99**

**(26) 5¼"-to-3½" disk drive adapter.** **278-765** ..... **2.99**

**10" drive-extension cable. 278-767** ..... **2.99**

**Power "Y".** For powering two drives. **278-766, 3.99**







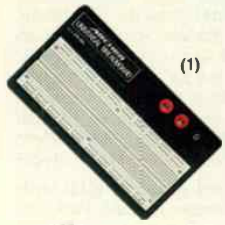



## New 14-piece computer tool kit

**(27)** Do it yourself! Includes all the tools you need for the routine maintenance of your PC's components and peripherals. Tools are demagnetized to protect components that are sensitive to magnetism. Includes anti-static 8-28 pin DIP extractor, anti-static 8-28 pin DIP chip inserter, non-conductive 3-pronged parts retriever, tweezers, ⅛" and 3/16" slotted screwdrivers, #0 and #1 Phillips screwdrivers, 3/16" and ¼" nutdrivers, Torx screwdriver with T10 and T15 bits, extra parts tube and zipper carry case.
**64-1990** ..... **14.99**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability)

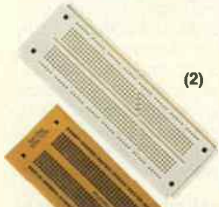
World Radio History



(1)

### Solderless breadboards for no-mess experimentation and design!

The easy way to make trial hookups when building or designing your projects! Each breadboard accepts a wide variety of devices so you can put it together and make circuit changes as easy as plugging and unplugging wires. And when your circuit is working properly, it's simple to transfer it to a matching PC board to build a soldered, permanent version.



(2)

**(1) Our finest breadboard.** This deluxe molded $2^1/_4 \times 6^1/_2$" board is mounted on a 7 × 4" "stay put" steel base with non-slip rubber feet. Plug-in points accept DIP ICs, discrete components and jumper wires—see Fig. 5. Provides a total of 640 plug-in tie points and has three binding posts for external connections. **276-169** ..... **21.99**



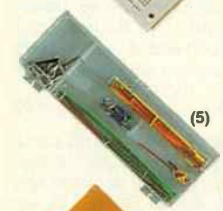
(3)

**(2) 6" modular IC breadboard socket.** All-purpose board with silver-nickel low-resistance contacts. Features two bus strips and 550 indexed plug-in points. And it's modular—you can attach more sockets for complex designs. $2^1/_8 \times 6$". **276-174** ..... **12.49**



(4)

**(3) Matching printed circuit board.** Layout matches modular breadboards for easy circuit transfer. Features a total of 550 predrilled indexed connect points. $2^1/_{16} \times 6 \times {}^1/_{16}$". **276-170** ..... **2.99**

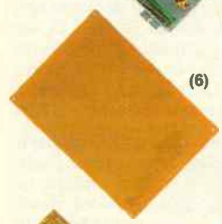


(5)

**(4) Modular IC breadboard socket.** This is a smaller version of Fig. 2 and has 270 plug-in points to construct and test small circuits and experimental projects. $2^1/_8 \times 3^5/_8 \times {}^1/_{16}$". **276-175** ..... **7.99**

**(5) Jumper wire kit.** Speeds building! Includes 140 insulated, prestripped wires. 10 each of 14 different lengths in a snap-shut box. **276-173** ..... **Set 5.49**

### Predrilled project boards



(6)

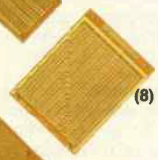
(6) Grid-style PC boards make assembly and experimentation quick and easy. Solder-ringed holes accept DIPS, sockets and header. Indexed for pin-out ID to keep circuits organized.

| Size | Holes | Cat. No. | Each |
|---|---|---|---|
| $4^1/_2 \times 6^5/_8$" | 2200 | 276-147 | **3.99** |
| $2^3/_4 \times 3^3/_4$" | 750 | 276-158 | **2.39** |
| $1^{27}/_{32} \times 2^{27}/_{32}$" | 356 | 276-149 | **1.19** |



(7)

**(7) Multipurpose PC board.** Has 419 predrilled indexed holes. **276-150** ..... **1.19**



(8)

**(8) Universal component PC board.** With 750 predrilled indexed holes. For ICs and DIPs up to 40 pins. $3^3/_8 \times 7^7/_8$". **276-168** ..... **2.49**



(9)

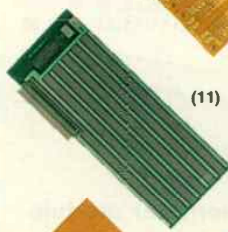
**(9) Dual mini board.** Ideal for simple circuits and projects. Has 213 individually predrilled holes. Can easily be snapped in half to make two boards. $1^3/_4 \times 3^5/_8$". **276-148** ..... **1.49**



(10)

**(10) Dual general-purpose IC PC board.** Accepts two 6 to 20-pin ICs and DIPs with four tie points for each pin. $1^3/_4 \times 3^3/_8$". **276-159** ..... **1.69**

### Plug-in card and perfboards



(11)

**(11) PC/XT plug-in card.** For breadboarding digital and analog circuits. Designed to fit PC expansion connector. $3^7/_8 \times 10^1/_{16}$". **276-1598** ..... **19.99**



(12)

**(12) IC-spacing perfboards.** This particular board has an array of prepunched .042"-diameter holes in a standard 0.100 × 0.100" grid pattern ideal for breadboarding home-brew circuits and projects.

| Size | Cat. No. | Each |
|---|---|---|
| $2^3/_4 \times 6$" | 276-1395 | **2.19** |
| $4^1/_2 \times 6$" | 276-1394 | **2.39** |
| 6 × 8" | 276-1396 | **3.49** |

# Design Your Own Circuits!

*Put it together and test it with an experimenter's breadboard. Then transfer it to a matching printed circuit or make your own PC board with our PC etching kit. Radio Shack makes it easy for you to do it yourself! We even have a selection of easy-to-understand books that show you examples of basic electronic circuits.*

***Beginners Welcome!*** *If you've never built an electronics project before, but have been itching to try your hand at it, we have a great starter book, "Getting Started in Electronics," written by Forrest M. Mims, III. This book is the perfect "hands-on" introduction to electronics to get you started building your own electronic projects with confidence. You'll find it on page 126.*



(13)

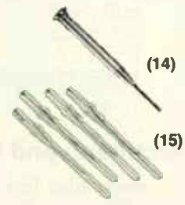
### Etch your own PC boards

**(13) PC board kit.** Everything you need to make your own custom PC project boards—no experience or special skills needed! Includes two 3 × $4^1/_2$" copper circuit boards, resist-ink pen to create circuit patterns, etching and stripping solutions, tank, $^1/_{16}$" drill bit, polishing pad and complete instructions. **276-1576** ..... **13.99**

**Extra resist-ink pen.** (276-1530 CMC) **RSU 10446243** ..... **2.99**

**Extra etching solution.** 16 ounces. **276-1535**.. **3.49**

**2-sided board.** $4^1/_2 \times 6^3/_8$". **276-1499**..... **4.49**



(14)

(15)

### Beat the heat—wrap it up!

**(14) Wire-wrapping tool.** Easy to use. Strips, wraps and unwraps 30-gauge wire. **276-1570**..... **7.49**

**(15) Posts for wire-wrapping.** Standard 0.025" metal posts insert and securely lock into holes on perfboards. **276-1987**..... **Pkg. of 20/1.29**



(16)

**(16) 30-gauge wire for wrapping.** 50-feet in colors shown below..... **Each 2.79**

| Color | Cat. No. | Color | Cat. No. | Color | Cat. No. |
|---|---|---|---|---|---|
| Red | 278-501 | White | 278-502 | Blue | 278-503 |



(17)

**(17) Wire-wrapping DIP IC sockets.** Standard post accepts three levels of wrapping.

| Pins | Cat. No. | Price | Pins | Cat. No. | Price |
|---|---|---|---|---|---|
| 8 | 276-1988 | **2/1.39** | 16 | 276-1994 | **2/1.69** |
| 14 | 276-1993 | **2/1.59** | 28 | 276-1983 | **Ea.1.39** |

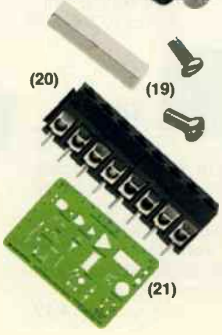


(18)

### Board accessories

**(18) Insulated standoffs.** Great for mounting circuit boards. Includes 10mm length board mounting posts, screws and washers. **276-1381, Set of 4/2.19**

**(19) Metal standoffs with screws.** $^{11}/_{16}$"-high board mounting posts. **276-195**..... **Set of 4/1.29**



(20)

(19)

(21)

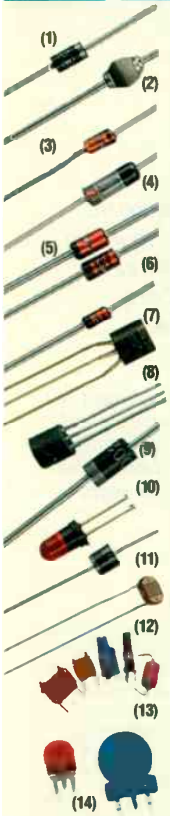
**(20) PC board wire terminals.** Two-position. For wire hookups. **276-1388** ..... **Pkg. of 4/2.29**

**(21) Circuit symbols drawing template.** This durable guide makes it easy to draw industry-standard schematic diagrams. **276-180** ..... **3.99**

Radio Shack stocks an unbeatable selection of soldering tools and supplies—see pages 120-121.

World Radio History

# Diodes, regulators, solar cells, display modules.




## Rectifier, switching, signal and zener diodes

**(1) Micro 1A diodes.** 30A surge.

| Type | Peak Inverse Voltage (PIV) | Cat. No. | Pkg. 2 |
|---|---|---|---|
| 1N4001 | 50 | 276-1101 | .49 |
| 1N4003 | 200 | 276-1102 | .59 |
| 1N4004 | 400 | 276-1103 | .69 |
| 1N4005 | 600 | 276-1104 | .79 |

**(2) 3A barrel diodes.** 200A surge.

| Type | PIV | Cat. No. | Pkg. 2 |
|---|---|---|---|
| 1N5400 | 50 | 276-1141 | .99 |
| 1N5402 | 200 | 276-1143 | 1.19 |
| 1N5404 | 400 | 276-1144 | 1.29 |

**PTC205 2.5A, 1000-PIV silicon diodes. 276-1114.....Pkg. of 3/1.49**

**(3) 1N914/4148-type.** Popular silicon switching diode. 75 PIV. **276-1122.....Pkg. of 10/1.19**

**(4) 1N34A-type.** Hard-to-find general-purpose germanium signal diode. 60 PIV. **276-1123.....Pkg. of 10/1.19**

**(5) Zener diodes.** For voltage reference and regulation. Rated 1 watt.

| Type | Voltage | Cat. No. | Pkg. of 2 |
|---|---|---|---|
| 1N4733 | 5.1 | 276-565 | .99 |
| 1N4735 | 6.2 | 276-561 | .99 |
| 1N4739 | 9.1 | 276-562 | .99 |
| 1N4742 | 12.0 | 276-563 | .99 |
| 1N4744 | 15.0 | 276-564 | .99 |

## Multi-pack parts bargains—only $2.29 each

**(6) 50 silicon switching diodes.** 1N914/4148-type. Popular for logic. Switching time low as 4 nS. PRV: 90. **276-1620.....2.29**

**(7) 15 NPN transistors.** General-purpose silicon, high-speed, medium power switching transistors. Rated 600 mW. **276-1617.....2.29**

**(8) 15 amplifying transistors.** PNP small-signal type, similar to 2N3906. 350 mW dissipation. TO-92 case. **276-1604.....2.29**

**(9) 25 rectifier diodes.** Super value! Includes ten 1N4001s, five 1N4002s, five 1N4004s and five other types. **276-1653.....2.29**

**(10) 20 assorted LEDs.** May include MV-series, green, red, amber, and infrared emitters. **276-1622...2.29**

**(11) 4 rectifier diodes.** Rated 6 amps. 50 PIV. For replacement and power supplies. **276-1661.....2.29**

**(12) 5 photocells.** CdS photoresistors respond to light. Various styles and ratings. **276-1657.....2.29**

**(13) Inductor assortment.** 30 pieces! May have RF/IF/video peaking coils, various chokes and small transformers. **273-1601.....2.29**

**(14) 12 trimmer resistors.** Assorted values and styles. **271-1605...2.29**

## MOV surge protector, fixed-voltage regulator ICs

**(15) Heavy-duty MOV.** *Metal-oxide varistor.* Helps prevent damage to equipment by absorbing high-voltage surges present on the AC power line. Build into equipment or use to replace "blown" MOVs in surge protectors. **276-568.....1.99**

**(16) Fixed Voltage Regulators.** Overload protected. Rated 1 amp (heat sink required). 35VDC. max. input.

| Type | Output | Cat. No. | Each |
|---|---|---|---|
| 7805 | 5VDC | 276-1770 | 1.49 |
| 7812 | 12VDC | 276-1771 | 1.49 |

## SCRs (silicon controlled rectifiers) and triac

**(17) SCR.** For motor speed control. **6 amps, 200 volts. 276-1067....99¢**
**6 amps, 400 volts. 276-1020...1.19**

**6-amp triac.** Perfect for light dimmers and heating element control. Rated up to 400 volts. **276-1000.....1.49**

## Full-wave bridge rectifiers for power supplies

**(18) 4-amps, 50 PIV. 276-1146, 1.39**
**4 amps, 100 PIV. 276-1171.....1.59**
**4 amps, 400 PIV. 276-1173.....1.99**

**(19) 1-amp, 200 PIV.** DIP-style. Two fit into a 14-pin socket. **276-1161, 99¢**

**(20) 25 amps, 50 PIV.** Metal case for maximum heat dissipation. Center mounting hole. **276-1185.....2.69**

**(21) 6A, 200 PIV. 276-1181.....2.49**

**(22) 1.4A, 100 PIV. 276-1152....1.19**

## Adjustable voltage regulators for power supplies

**(23) LM723.** Ideal for variable power supplies. Adjustable from 2 to 37VDC output. 150 mA maximum. 14-pin DIP. **276-1740.....99¢**

**(24) LM317T.** Adjustable from 1.2 to 27VDC output. Heat sink required for max. current rating of 1.5 amps. TO-220 case. **276-1778.....1.99**



**New Panel-mount electronic counting module.** Prewired. Counts to 99,999. Useful as an event/traffic counter. Ideal for school science projects. Count is advanced by external switch or circuit. Features 1/2"-high LCD display. Requires "AA" battery. (277-302 NP) **RSU 10524528...16.99**



**New Panel-mount digital voltmeter/ammeter module.** Prewired. Features 9/16"-high, 3 1/2-digit LCD display, selectable backlight. Easily configured to measure up to 2000 volts DC or 10 amps DC. With external circuit can be set to measure other variables including AC volts, temperatures or pressure. Requires 9VDC. With data. (277-303 NP) **RSU 11461498.....18.99**



**New Panel-mount LCD clock/thermometer module.** Prewired. Easy-to-read 9/16"-high, 3 1/2-digit LCD display with selectable backlight and °F or °C mode. Measures 0 to 160° F (-20 to 70° C). 1 or 10-second sampling rate. With additional circuitry can be used as a high or low-temperature alarm or thermostat. Has internal temp. sensor. Requires 3VDC. With data. (277-304 NP) **RSU 11461506.....24.99**
**External thermistor temperature sensor** for above. 78" lead. (277-305 NP) **RSU 11461514.....4.99**



**New Panel-mount alarm clock module.** Prewired. 4-digit, 3/8"-high LCD with selectable backlight and 12/24-hour format. Features snooze function, alarm output for external piezo buzzer (not incl.). Requires 3VDC. Ideal for battery operation. (277-306 NP) **RSU 11453453...17.99**



**New Panel-mount LCD alphanumeric display.** 1-line x 16-character LCD with 1/4" character height, selectable backlight, 5 x 8-dot character format. Interfaces with 8 or 4-bit microprocessor bus. Lookup tables make display drive easy to program. Up to 8 user-programmable characters. Requires 5VDC. With data. (277-307 NP) **RSU 11453461...24.99**



**New Panel-mount 2-line LCD alphanumeric display.** As above but with 2 x 16, 7/32"-high characters (277-308 NP) **RSU 11453479..34.99**



**New Panel-mount electromechanical counter.** Counts to 99,999, advanced by external 12VDC pulse. Accepts up to 25 counts per second. (277-401 NP) **RSU 11453487...19.99**



### Mini audio amplifier

**Built-in speaker.** Has dozens of uses! Great for projects, as a test amplifier or signal tracer. High-gain IC circuit. With 1/8" earphone and input jacks, volume control. 3 3/8" high. Requires 9V battery or 273-1455 AC adapter. **277-1008.....11.99**



### Silicon solar cell

**Put the sun to work.** This efficient 2 x 4 cm cell delivers about 0.3-amp at 0.55VDC in full sunlight. Wire several in series or series/parallel to obtain the voltage and current needed to charge batteries or power models and science projects. **276-124.....4.19**



### Solar project fun kit

A solar cell prewired to a DC motor—ready for your creative ideas. Build it into a solar-powered windmill, fan, or school science project. Includes mini-propeller, color wheels and an informative booklet. **277-1201.....10.99**



### Thermometer module

Prewired—use it "as is" for a thermometer or add circuits to activate a buzzer, LED, fan or heater at the temperatures you set. 1/2"-high LCD display. Requires "AA" battery. (277-123 NP) **RSU 10640316...19.99**

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.

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### Digital voice record/playback module and IC

**New** **ISD-VM110.** The heart of a fun, easy project. Module stores up to 10 seconds of sound—speech, music, sound effects, you name it—and plays it back when triggered. Build a box that "talks" when someone presses a button, a custom doorbell or voice-message system. Requires only a speaker, microphone, switches and power source for a completed project. With circuit examples and data. **276-1324** ..... **18.99**



**ISD1000A.** Stores and plays back up to 20 seconds of audio. Has built-in audio amplifier and can store several messages. A completed project requires only a handful of low-cost support parts and a power source. 28-pin DIP IC with circuit examples, data. **276-1325** ..... **17.99**

# Thousands of Types Are Available

*Radio Shack stocks the ICs and transistors needed most. Thousands more are available fast through Radio Shack Unlimited.℠*

### New 74HCT-series digital ICs

| Description | Type | Cat. No. | Each |
|---|---|---|---|
| Quad 2-Input NAND Gate | 74HCT00 | 276-2801 | .89 |
| Quad 2-input NDR Gate | 74HCT02 | 276-2802 | .89 |
| Hex Inverter | 74HCT04 | 276-2804 | .89 |
| Quad 2-Input AND Gate | 74HCT08 | 276-2805 | .89 |
| Hex Inverting Triggger | 74HCT14 | 276-2808 | .89 |
| 8-Input NAND Gate | 74HCT30 | 276-2812 | .89 |
| Quad 2-Input OR Gate | 74HCT32 | 276-2813 | .89 |
| Dual D-Type Flip-Flop | 74HCT74 | 276-2816 | .89 |
| Quad Exclusive OR Gate | 74HCT86 | 276-2819 | .99 |
| Dual Multivibrator | 74HCT123 | 276-2824 | 1.29 |
| Quac Buffer, 3-State | 74HCT125 | 276-2825 | .99 |
| Quad NAND Trigger | 74HCT132 | 276-2827 | .99 |

### New 74HCT-series digital ICs

| Description | Type | Cat. No. | Each |
|---|---|---|---|
| Line Decoder/Demux | 74HCT138 | 276-2829 | .99 |
| Dual 2-to-4 Line Decoder | 74HCT139 | 276-2830 | .99 |
| Quad 2-Input Multiplexer | 74HCT157 | 276-2835 | 1.19 |
| 4-Bit Counter (asynch.) | 74HCT161 | 276-2838 | 1.19 |
| 4-Bit Counter (synch.) | 74HCT163 | 276-2840 | 1.19 |
| 8-Bit Shift Register | 74HCT164 | 276-2841 | 1.19 |
| Hex D-Type Flip-Flop | 74HCT174 | 276-2845 | 1.19 |
| Quad "D" Flip-Flop | 74HCT175 | 276-2846 | 1.19 |
| Octal Buffer/Line Driver | 74HCT240 | 276-2858 | 1.29 |
| Octal Buffer/Line Driver | 74HCT244 | 276-2862 | 1.29 |
| Octal Bus Transceiver | 74HCT245 | 276-2863 | 1.29 |
| 8-Input Multiplexer | 74HCT251 | 276-2864 | 1.39 |

### New 74HCT-series digital ICs

| Description | Type | Cat. No. | Each |
|---|---|---|---|
| 8-Bit Addressable Latch | 74HCT259 | 276-2868 | 1.29 |
| Octal D-Type Flip-Flop | 74HCT273 | 276-2869 | 1.29 |
| Octal Transparent Latch | 74HCT373 | 276-2880 | 1.29 |
| Octal D-Type Flip-Flop | 74HCT374 | 276-2881 | 1.29 |
| Dual 4-Bit Ripple Counter | 74HCT393 | 276-2884 | 1.29 |
| Octal Buffer/Line Driver | 74HCT541 | 276-2889 | 1.39 |
| Octal Transparent Latch | 74HCT573 | 276-2892 | 1.39 |
| Oct. "D" Flip-Flop (pos.) | 74HCT574 | 276-2893 | 1.39 |
| 8-Bit Magnitude Comp. | 74HCT688 | 276-2905 | 1.39 |
| 12-Bit Ripple Counter | 74HCT4020 | 276-2910 | 1.39 |
| PLL With VCD | 74HCT4046 | 276-2913 | 2.99 |
| ... | ... | ... | ... |

### 7400-series TTL digital ICs

| Description | Type | Cat. No. | Each |
|---|---|---|---|
| Quad 2-Input NAND Gate | 7400 | 276-1801 | .99 |
| Hex Inverter | 7404 | 276-1802 | .99 |
| BCD to 7-Segment Driver | 7447 | 276-1805 | 1.69 |

### 4000-series CMOS digital ICs

| Description | Type | Cat. No. | Each |
|---|---|---|---|
| Quad 2-Input NOR Gate | 4001 | 276-2401 | .99 |
| Quad 2-Input NAND Gate | 4011 | 276-2411 | .99 |
| Dual D-Type Flip-Flop | 4013 | 276-2413 | 1.19 |
| Decade Counter/Divider | 4017 | 276-2417 | 1.49 |



### Getting Started in Electronics

By Forrest M. Mims, III. Now in its 12th printing. Ideal "hands-on" intro to electronics. It features easy-to-understand text and big diagrams hand-drawn by Mims, one of America's most popular science writers. 128 pages. **276-5003** ..... **4.99**





### Popular linear ICs

| Description | Cat. No. | Each |
|---|---|---|
| 555 Timer | 276-1723 | 1.19 |
| TLC555 CMOS Timer | 276-1718 | 1.39 |
| 556 Dual Timer | 276-1728 | 1.59 |
| LM386 Audio Amp | 276-1731 | 1.19 |
| 741 Op Amp | 276-007 | .79 |
| 1458 Dual Op Amp | 276-038 | .99 |

### Popular linear ICs

| Description | Cat. No. | Each |
|---|---|---|
| LM324 Quad Op Amp | 276-1711 | 1.29 |
| TL082 Dual Op Amp | 276-1715 | 1.89 |
| LM339 Quad Comparator | 276-1712 | .99 |
| LM3909 LED Flasher | 276-1705 | 1.89 |
| MC1488 Line Driver | 276-2520 | 1.29 |
| MC1489 Line Receiver | 276-2521 | 1.29 |



TO-92



TO-220



TO-39

### Transistors: We can replace more than 60,000 types

Each transistor includes data and pin-out diagram

| Direct Commercial Equivalent | Replaces* GE Type GE- | Sylvania Type ECG- | RCA Type SK- | Polarity | Use | Power Dissipation | Case Style | Cat. No. | Each |
|---|---|---|---|---|---|---|---|---|---|
| MPS2222A | 20 | 123A | 3122 | NPN | GP | 500mW | TO-92 | 276-2009 | .59 |
| MPS3904 | 20 | 123A | 3122 | NPN | SW | 350mW | TO-92 | 276-2016 | .59 |
| TIP31 | 66 | 152 | 3054 | NPN | P | 40W | TO-220 | 276-2017 | .99 |
| TIP3055 | 241 | 130 | 3027 | NPN | P | 90W | TO-220 | 276-2020 | 1.59 |
| MPS2907 | 82 | 159 | 3025 | PNP | SW | 400mW | TO-92 | 276-2023 | .59 |
| MJE34 | 34 | 197 | 3084 | PNP | P | 90W | TO-220 | 276-2027 | 1.49 |
| 2N3053 | 241 | 128 | 3024 | NPN | P | 5W | TO-39 | 276-2030 | .99 |
| TIP120 | ... | 261 | 3180 | NPN | D | 65W | TO-220 | 276-2068 | 1.29 |
| 2N3055 | 14 | 181 | 3027 | NPN | P | 115W | TO-3 | 276-2041 | 1.99 |
| MJ2955 | 74 | 219 | 3335 | PNP | P | 150W | TO-3 | 276-2043 | 1.99 |
| 2N4401 | 20 | 123AP | 3444 | NPN | SW | 350mW | TO-92 | 276-2058 | .49 |

*Replaces in most circuits. See product package for exact specifications. D=Darlington, GP=General Purpose. P=Audio Power Amplifier/Switch. SW=Switch. NOTE: Parameters are at 25° C.



TO-3





**IRF-510 Power MOSFET.** N-channel device for switching power supplies, voltage inverters, relay drivers, motor control, audio and RF power amps. High thermal immunity. Handles up to 60VDC, 3 amps. TO-220 case. **276-2072** ..... **1.99**

**2SC1308 TV horizontal output transistor.** NPN used in many TVs. Replaces GE-38, ECG-238, and SK-115. TO-3 case. (276-2055 NP) **RSU 11453511** ..... **6.99**

### Building Power Supplies

Explains switching and linear. Plans for building five useful supplies. 92 pages. **276-5025** .. **4.99**

### Engineer's Mini-Notebooks

By Forrest Mims III. Booklets with basic circuit data, project ideas. Full descriptions on p. 126.

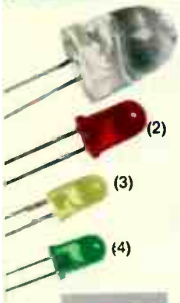
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| Formulas, Tables, Tips | 48 | 276-5016 | 1.99 |
| Schematic Symbols | 48 | 276-5017 | 1.99 |
| New Environmental Projects | 48 | 62-5019 | 1.99 |

### N-channel FETs (field-effect transistors)

| Direct Commercial Equivalent | Use | Diss. | gfs min./max mmhos | Case Style | Cat. No. | Each |
|---|---|---|---|---|---|---|
| 2N3819 | GP | 360mW | 2.0/6.5 | TO-92 | 276-2035 | .99 |
| MPF102 | VHF Amp/Mixer | 310mW | ... | TO-92 | 276-2062 | .99 |

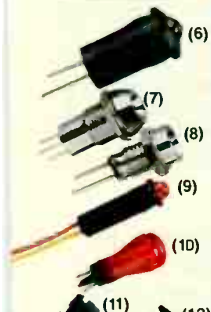
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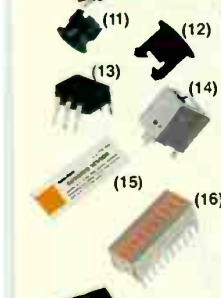
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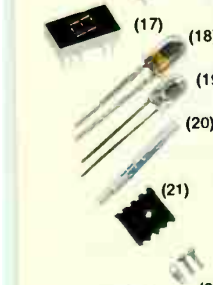












## LEDs and holders

| Fig. | Description | MCD Brightness | Size "T" # | Size mm | mA | Max. Voltage | Mtg Hole | Cat. No. | Pkg. of | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Jumbo red LED | 5000 | T-3¼ | 10mm | 20 | 1.85 | — | 276-086 | 1 | 2.49 |
| — | Standard red LED | 2000 | T-1¾ | 5mm | 20 | 1.85 | — | 276-087 | 1 | 1.79 |
| — | Standard red LED | 500 | T-1¾ | 5mm | 20 | 1.75 | — | 276-066 | 1 | 1.29 |
| 2 | Standard red LED | 1.0 | T-1¾ | 5mm | 2 | 3.0 | — | 276-044 | 1 | .99 |
| — | Standard orange/red LED | 6.3 | T-1¾ | 5mm | 20 | 2.8 | — | 276-012 | 1 | 1.19 |
| 3 | Standard yellow LED | 6.3 | T-1¾ | 5mm | 10 | 2.1 | — | 276-021 | 2 | .99 |
| 4 | Standard green LED | 6.3 | T-1¾ | 5mm | 10 | 2.1 | — | 276-022 | 2 | .99 |
| — | Standard red LED | 6.3 | T-1¾ | 5mm | 10 | 2 | — | 276-041 | 2 | .99 |
| — | Mini red LED | 6.3 | T-1 | 3mm | 10 | 2 | — | 276-026 | 2 | .99 |
| 5 | Oval-shaped red LED | 400 | — | 4.6×5.8mm | 30 | 2.5 | — | 276-203 | 1 | 1.99 |
| 5 | Oval red/yellow/green LED | 100 | — | 6.8×7.6mm | 30 | 2.8 | — | 276-207 | 1 | 2.39 |
| — | New Yellow/green LED | 120 | — | 7.5mm | 20 | 2.8 | — | 276-204 | 1 | 1.99 |
| — | New Jumbo yellow LED | 6000 | T-3¼ | 10mm | 50 | 2.6 | — | 276-205 | 1 | 2.99 |
| — | New Jumbo orange LED | 12,000 | T-3¼ | 10mm | 50 | 2.6 | — | 276-206 | 1 | 3.99 |
| — | New Standard red LED | 1.5 | T-1¾ | 5mm | 10 | 5 | — | 276-208 | 1 | .99 |
| — | New Standard red LED | 1.5 | T-1¾ | 5mm | 10 | 12 | — | 276-209 | 1 | .99 |
| — | New Standard orange/green LED | 1.5 | T-1¾ | 5mm | 20 | 3.0 | — | 276-210 | 1 | 1.19 |
| — | New Jumbo red LED | 300 | T-3¼ | 10mm | 40 | 2.8 | — | 276-214 | 1 | 2.39 |
| — | New Jumbo green LED | 350 | T-3¼ | 10mm | 40 | 2.8 | — | 276-215 | 1 | 2.39 |
| — | New Jumbo yellow LED | 250 | T-3¼ | 10mm | 40 | 2.8 | — | 276-216 | 1 | 2.39 |
| — | Standard blinking red LED | 1.0 | T-1¾ | 5mm | 40 | 3 | — | 276-036 | 1 | 1.19 |
| — | Standard blinking green LED | 4.0 | T-1¾ | 5mm | 40 | 3 | — | 276-030 | 1 | 1.29 |
| 6 | Red/Green LED with holder | — | — | — | 10 | 2 | 13/32" | 276-025 | 1 | 2.19 |
| 7 | Red LED snap-in holder | — | — | — | — | 2.1 | 5/16" | 276-018 | 2 | 2.19 |
| 8 | Red LED holder | — | — | — | — | 1.9 | 1/4" | 276-068 | 2 | 2.19 |
| — | Green LED holder | — | — | — | — | 2.1 | 1/4" | 276-069 | 2 | 2.19 |
| 9 | Dual-color LED holder | — | — | — | — | 2 | 3/8" | 276-011 | 1 | 2.29 |
| 10 | Super-bright red snap-in holder | — | — | — | — | 2.2 | 11/32" | 276-088 | 1 | 2.29 |
| 11 | Snap-in holders for mini LEDs | — | T-1 | 3mm | — | — | 11/64" | 276-078 | 5 | .59 |
| 12 | Snap-in holders for LEDs | — | T-1¾ | 5mm | — | — | 1/4" | 276-079 | 5 | .59 |
| — | Chromed LED holders | — | T-1¾ | 5mm | — | — | 1/4" | 276-080 | 2 | 1.19 |

**(13) MOC3010 optocoupler.** For low current, isolated AC switching. 6-pin DIP. **276-134** ..... **1.99**

**(14) Infrared detector module.** Ideal for mounting on PC boards. 5 VDC. **276-137** ..... **3.59**

**(15) New Infrared sensor card.** Locates near-infrared radiation from laser or LED sources. **276-1099, 5.99**

**(16) 10 segment red LED bargraph display.** 20-pin DIP. 20 mA, 2VDC per element. **276-081** ..... **2.99**

**(17) 7-segment LED digital display.** Common cathode numerical display. 14-pin DIP. **276-075** ..... **1.79**

**(18) High-output infrared LED.** T-1¾. 20 mA, 1.3VDC. **276-143, 1.69**

**(19) Matched infrared emitter and phototransistor detector.** **276-142** ..... **1.99**

**Infrared phototransistor.** IR switching applications, experimenting with lightwave communications. T-1¾, two lead, 50 mW. **276-145** .... **99¢**

## Heat sinks and semiconductor mounting hardware

**(20) Heat-sink pen.** Draws heat away from transistors on PC boards. Wide temperature range, safe on plastics, non-harding. **64-4342, 5.99**

**(21) TO-220 heat sink.** For PC board mounting. **276-1363** ..... **99¢**

**(22) Mounting hardware set.** For power transistors and regulators in TO-3 case. Insulators, bushings, screws, solder lug. **276-1371** ... **1.39**

**TO-220 mounting hardware.** Has mica insulators, screws, washers. **276-1373** ..... **Set 1.39**

**(23) Heat sink grease.** Assures proper heat transfer between semiconductor device and heat sink. 6.5 grams. **276-1372** ..... **1.69**

**Conductive foam mat.** 5 × 5" pad. Protects ICs from static damage. **276-2400** ..... **1.29**

## Wrist strap, IC handling tool and IC sockets

**(24) Static-draining wrist strap.** For handling ICs. Has 24" ground lead with clip. **276-2397** ..... **3.99**

**(25) IC inserter/extractor set.** Install and remove 6 to 40-pin DIPs without damage. Extractor works with LSI, MSI and DIPs. **276-1581** ... **7.49**

**(26) Soldering heat sink.** Clips to semiconductors and low-power passive devices so you solder them without damage. **276-1567** ..... **1.29**

**(27) 20-position SIP socket.** PC board socket for single-inline-pin devices. **276-1975** ..... **1.59**

**(28) Solder-type DIP IC sockets.**

| Pins | Cat. No. | Price |
|---|---|---|
| 8 | 276-1995 | Pkg. of 2/.59 |
| 14 | 276-1999 | Pkg. of 2/.99 |
| 16 | 276-1998 | Pkg. of 2/.99 |
| 18 | 276-1992 | Each .49 |
| 20 | 276-1991 | Each .59 |
| 28 | 276-1997 | Each .99 |
| 40 | 276-1996 | Each .99 |

# Lighten Up With Our LEDs

*Radio Shack is your nearby source for LEDs. We stock popular jumbo, high-brightness, infrared and even blinking LEDs. We also have holders that make it easy to mount LEDs in panels. Each LED package gives you handy information on pinout polarity, typical current drain and absolute maximum ratings.*

### Buzz Words

*LEDs, short for light-emitting diodes, are small solid-state components that convert electricity into light. LEDs are low-voltage, low-current devices, ideal for use as indicators in projects, model railroads, doll houses, even electronic jewelry.*

***Heat Sinks** safely radiate the heat produced by semiconductors such as voltage regulators and high-power transistors.*

***Mounting Hardware.** We stock mounting hardware for semiconductors in the popular TO-3 and TO-220 case styles. Other heat sinks and mounting accessories are available through our special-order service.*

***Handling ICs.** ICs, short for integrated circuits, can be damaged or rendered unusable by everyday static electricity. Radio Shack offers a wrist strap and IC insertion/extraction tools that help prevent damage from static electricity.*



### PLCC square IC extractor

A spring-assisted tool for quick and safe removal of PLCC devices from sockets. Requires no pulling. An easy squeeze of the handles lifts the chip. Featuring hardened steel tongs, it fits all 18 to 124-lead PLCCs and has ESD handles for safe use on static-sensitive chips. **276-2101** .. **9.99**

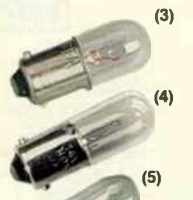


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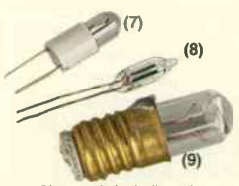
# Flashlight bulbs and panel lights.




*Prefocus types used in many penlights*



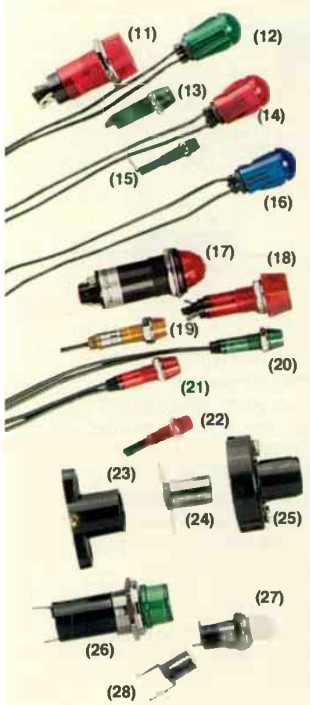

*High-intensity bulb*




*Thin penlight bulb with prefocus lens*




*Super-bright krypton*




## Premium-grade incandescent* bulbs

| Fig. | Volts | mA | Type | Base | Cat. No. | Pkg. of | Price |
|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 100 | T-1¾ | E-5 Threaded | 272-1142 | 2 | 1.19 |
| — | 12.0 | 75 | T-1¾ | E-5 Threaded | 272-1143 | 2 | 1.19 |
| — | 1.2 | 250 | 112 | E-10 Threaded | 272-1174 | 2 | 1.19 |
| — | 2.33 | 270 | 243 | E-10 Threaded | 272-1124 | 2 | 1.19 |
| — | 2.47 | 300 | 14 | E-10 Threaded | 272-1132 | 2 | 1.19 |
| 2 | 6.3 | 150 | 40 | E-10 Threaded | 272-1128 | 2 | 1.19 |
| — | 6.3 | 250 | 46 | E-10 Threaded | 272-1130 | 2 | 1.19 |
| — | 7.5 | 220 | 50 | E-10 Threaded | 272-1133 | 2 | 1.19 |
| — | 14.0 | 200 | 1487 | E-10 Threaded | 272-1134 | 2 | 1.19 |
| — | 14.4 | 100 | 52 | E-10 Threaded | 272-1127 | 2 | 1.19 |
| — | 2.33 | 270 | PR-4 | Flange | 272-1122 | 2 | 1.19 |
| — | 2.38 | 500 | PR-2 | Flange | 272-1120 | 2 | 1.19 |
| — | 3.57 | 500 | PR-3 | Flange | 272-1121 | 2 | 1.19 |
| 3 | 4.75 | 500 | PR-13 | Flange | 272-1151 | 2 | 1.19 |
| — | 4.8 | 500 | PR-15 | Flange | 272-1125 | 2 | 1.19 |
| — | 5.95 | 500 | PR-12 | Flange | 272-1123 | 2 | 1.19 |
| — | 7.2 | 550 | PR-18 | Flange | 272-1168 | 2 | 1.19 |
| — | 8.63 | 500 | PR-20 | Flange | 272-1166 | 2 | 1.19 |
| — | 6.3 | 250 | 44 | Bayonet | 272-1108 | 2 | 1.19 |
| — | 6.3 | 50 | 47 | Bayonet | 272-1110 | 2 | 1.19 |
| — | 6.3 | 150 | 1847 | Bayonet | 272-1115 | 2 | 1.19 |
| 4 | 14.0 | 230 | 1891 | Bayonet | 272-1112 | 2 | 1.19 |
| — | 14.0 | 200 | 1815 | Bayonet | 272-1118 | 2 | 1.19 |
| — | 14.4 | 120 | 53 | Bayonet | 272-1117 | 2 | 1.19 |
| — | 28.0 | 40 | 1819 | Bayonet | 272-1119 | 2 | 1.19 |
| 5 | 14.0 | 270 | 194 | Wedge | 272-1126 | 2 | 1.19 |
| 6 | 12.8 | 1.04A | 93 | Bayonet | 272-1116 | 1 | 1.19 |
| 7 | 12.0 | 40 | — | Bi-Pin | 272-1154 | 1 | 1.39 |
| 8 | 120 NE2H 1/4-W Neon (add resistor**) | | | | 272-1102 | 2 | .69 |
| | 120 NE2 1/25-W Neon (built-in resistor) | | | | 272-1100 | 2 | 1.19 |
| 9 | 2.4 | 360 | T-1¾ | E-5 Threaded | 272-1176 | 2 | 1.29 |

*Except Fig. 8, which are neon. **Requires a 22k ohm resistor for use on 120 volts.

## (10) Super-bright krypton lamps for flashlights

Flange bases. Can replace PR-type standard flashlight lamps.

| Type | Volts | mA | Cat. No. | Each | Type | Volts | mA | Cat. No. | Each |
|---|---|---|---|---|---|---|---|---|---|
| K4 | 2.33 | 480 | 272-1169 | 1.19 | K15 | 4.8 | 700 | 272-1162 | 1.19 |
| K1 | 2.4 | 600 | 272-1156 | 1.19 | K12 | 6.0 | 650 | 272-1163 | 1.19 |
| K2 | 2.4 | 830 | 272-1157 | 1.19 | K18 | 7.2 | 700 | 272-1164 | 1.19 |
| K3 | 3.6 | 800 | 272-1158 | 1.19 | K222 | 2.33 | 600 | 272-1175 | 1.19 |

## Lamp assemblies that include bulb

| Fig. | Description | Mtg. Hole | Cat. No. | Pkg. of | Price |
|---|---|---|---|---|---|
| 11 | 12-Volt, Jumbo Red | 19/32" | 272-336 | 2 | 2.59 |
| 12 | 12-Volt, Green Snap-In | 1/2" | 272-337 | 2 | 1.99 |
| 13 | 12-Volt, Hi-Brightness Red | 9/32" | 272-331 | 2 | 1.99 |
| 14 | 12-Volt, Red Snap-In | 1/2" | 272-332 | 2 | 1.99 |
| 15 | 12-Volt, Green Micro | 7/32" | 272-334 | 2 | 2.19 |
| 16 | 12-Volt, Blue Snap-In | 1/2" | 272-335 | 2 | 1.99 |
| 17 | 120-Volt Neon, Jumbo Red | 5/8" | 272-710 | 1 | 1.99 |
| 18 | 120-Volt Neon, Red (Square) | 7/16" | 272-704 | 2 | 2.19 |
| 19 | 120-Volt Neon, Amber | 9/32" | 272-707 | 2 | 2.59 |
| 20 | 120-Volt Neon, Green | 9/32" | 272-708 | 2 | 2.59 |
| 21 | 120-Volt Neon, Red | 9/32" | 272-712 | 2 | 2.59 |
| 22 | 12-Volt, Red, 1 Lens | 7/32" | 272-345 | 1 | 1.49 |

## Choose your lamp holder here Bulbs extra

| Fig. | Description | Cat. No. | Pkg. of | Price |
|---|---|---|---|---|
| 23 | Compact E-10 Base | 272-356 | 1 | 1.19 |
| 24 | Bayonet Base. Solder Tabs | 272-355 | 6 | 1.19 |
| 25 | E-10 Base. Screw Terminals | 272-357 | 1 | 1.19 |
| 26 | Bayonet. 5/8" Mounting Hole With 1 Red, 1 Green Lens | 272-325 | 2 | 1.99 |
| 27 | E-5. 2 Red, 2 White Lenses | 272-340 | 2 | 1.99 |
| 28 | E-5 Threaded Bulbs | 272-358 | 6 | 1.19 |

# Lamps to Be Seen & to See By

*We make it easy and affordable to brighten up your electronic projects or replace lamps in flashlights, dials, pilot lights and control panels. Just bring in your old bulb to get a perfect match.*

### Mini lamps

**(29) Miniature lamps.** Draw about 25mA. 1¾" hookup wire leads..... **Each 1.29**

| Volts | Cat. No. |
|---|---|
| 1.5V | 272-1139 |
| 6V | 272-1140 |
| 12V | 272-1141 |

**(30) 12V flashing lamps.** Draw about 95mA. One each red, yellow, green. **272-1097 . . . Set of 3/1.39**

**(31) 6V colored lamps.** Draw about 60mA. One each red, yellow, green. **272-1098 . . . Set of 3/1.29**

**12-volt version of figure 3. 272-1099 . . . Set of 3/1.29**

**(32) 12V microlamps.** Draw about 60mA. **272-1092, Pkg. of 2/1.49**

**(33) For metal mini flashlights.** Plug-in "bi-pin" bulbs. 2.5V, 300mA. **272-1149, Pkg. of 2/2.99**

**(34) Krypton bulb for mini flashlights.** Extra bright. 2.5V. **272-1150 . . . . . 1.99**




### Halogen lamps



**12-volt, 20-watt.** G-4 base, rated 350 lumens. Average life: 2000 hours. **272-1177 . . . . . 1.99**

**HPR50.** For many 4-cell flashlights & 6V lanterns. **272-1189 . . . . . 3.99**

**HPR52.** For 2-cell flashlights and 3-volt lanterns. **272-1190 . . . . . 3.99**

### Long-life strobe tube



Suitable for photography use and special-effects lighting projects. Trigger: 4 kV. Anode: 200 volts min., 300 volts max. With data. **272-1145 . . . . . 3.29**

### Halogen quartz projector lamps



Stable color and constant output with no bulb blackening. Accurate snap-in alignment. Overhead (ENX). 360W, 82V. **272-1504 . . . . . 18.99**
Slide (ELH). 360W, 120V. **272-1505 . . . 19.99**

A complete line of projector lamps is available fast through Radio Shack Unlimited℠—see pages 4-5.

Large-quantity discounts available at participating Radio Shack stores and dealers—see page 217.

World Radio History

# Wide selection of resistors and controls.



## 1/4-watt, 5% tolerance carbon-film resistors in popular values—sold in packs of 5, each only 49¢

| Ohms | Cat. No. |
|---|---|
| 10 | 271-1301 |
| 100 | 271-1311 |
| 150 | 271-1312 |
| 220 | 271-1313 |
| 270 | 271-1314 |
| 330 | 271-1315 |
| 470 | 271-1317 |

| Ohms | Cat. No. |
|---|---|
| 1k | 271-1321 |
| 2.2k | 271-1325 |
| 3.3k | 271-1328 |
| 4.7k | 271-1330 |
| 10k | 271-1335 |
| 15k | 271-1337 |
| 22k | 271-1339 |

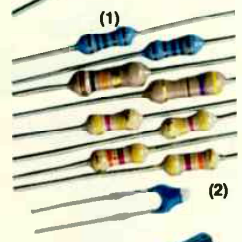
| Ohms | Cat. No. |
|---|---|
| 33k | 271-1341 |
| 47k | 271-1342 |
| 100k | 271-1347 |
| 220k | 271-1350 |
| 470k | 271-1354 |
| 1 meg | 271-1356 |
| 10 meg | 271-1365 |

## 1/2-watt, 5% tolerance carbon-film resistors in popular values—sold in packs of 5, each only 49¢

| Ohms | Cat. No. |
|---|---|
| 10 | 271-1101 |
| 15 | 271-1102 |
| 22 | 271-1103 |
| 33 | 271-1104 |
| 47 | 271-1105 |
| 68 | 271-1106 |
| 82 | 271-1107 |
| 100 | 271-1108 |
| 150 | 271-1109 |
| 180 | 271-1110 |
| 220 | 271-1111 |
| 270 | 271-1112 |

| Ohms | Cat. No. |
|---|---|
| 330 | 271-1113 |
| 390 | 271-1114 |
| 470 | 271-1115 |
| 560 | 271-1116 |
| 680 | 271-1117 |
| 1k | 271-1118 |
| 1.2k | 271-1119 |
| 1.5k | 271-1120 |
| 2.2k | 271-1121 |
| 3.3k | 271-1122 |
| 3.9k | 271-1123 |
| 4.7k | 271-1124 |

| Ohms | Cat. No. |
|---|---|
| 5.6k | 271-1125 |
| 10k | 271-1126 |
| 15k | 271-1127 |
| 22k | 271-1128 |
| 33k | 271-1129 |
| 47k | 271-1130 |
| 100k | 271-1131 |
| 220k | 271-1132 |
| 470k | 271-1133 |
| 1 meg | 271-1134 |
| 2.2 meg | 271-1135 |
| — | — |



(1)

(2)

## Resistor assortments and more

**(1) 1/4-watt metal-film assortment.** 1% tol. Set of 50. **271-309** ..... **Set 2.29**
5 each: 10, 1k, 10k, 100k. 4 each: 47, 100, 470, 2.2k, 4.7k, 1 meg. 2 each: 150, 220, 15k.

**1/4-watt carbon-film assortment.** 5% tol. 100 pieces. **271-308** ..... **Set 2.99**
10 each: 10, 1k, 10k, 100k. 8 each: 47, 100, 470, 2.2k, 4.7k, 1 meg. 4 each: 150, 15k, 220k.

**1/4-watt carbon-film assortment.** 5% tolerance. 500 pieces—your cost is about 1.6¢ each! **271-312** ..... **Set 7.99**
30 each: 1k, 10k, 100k. 10 each: 1, 10, 100, 120, 150, 180, 220, 330, 470, 560, 1.5k, 2.2k, 3.3k, 4.7k, 15k, 22k, 47k, 470k, 1 meg, 10 meg. **5 each:** 2.2, 15, 22, 33, 39, 47, 51, 68, 82, 180, 270, 390, 510, 680, 820, 1.2k, 1.8k, 2.7k, 3k, 3.9k, 5.1k, 5.6k, 6.8k, 8.2k, 12k, 18k, 27k, 33k, 39k, 51k, 56k, 68k, 82k, 120k, 150k, 180k, 270k, 330k, 1.5 meg, 2.2 meg, 3.3 meg, 4.7 meg.

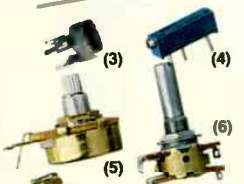
**1/2-watt carbon-film assortment.** 5% tolerance. 100 pcs. **271-306** ... **Set 3.49**
6 each: 100, 1k, 4.7k, 10k, 100k. 5 each: 150, 330, 470, 680, 15k, 220k, 470k, 1 meg. 4 each: 180, 390, 22k, 56k, 120k, 330k. **3 each:** 22k, 270k.

**(2) Precision thermistor.** Resistance changes in proportion to temperature. −50 to + 110° C range. **271-110** .... **1.99**

**(3) Horizontal-style trimmers.** Micro-size. Rated 0.1W, 50VDC ... **Each 49¢**

| Ohms | Cat. No. | Ohms | Cat. No. |
|---|---|---|---|
| 1k | 271-280 | 47k | 271-283 |
| 4.7k | 271-281 | 100k | 271-284 |
| 10k | 271-282 | — | — |

**(4) 15-turn trimmers.** PC-mount. With adjustment screw. Rated 3/4-watt.
**1k ohms. 271-342** ..... **1.49**
**10k ohms. 271-343** ..... **1.49**



(3) (4) (5) (6)

## Potentiometers and on/off switch

**(5) New 1.2-watt rheostat.** 20-ohm ± 20% tolerance wirewound variable resistor. **271-265B** ..... **3.49**

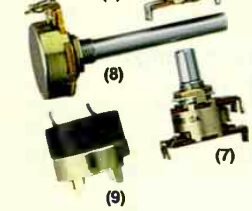
**(6) 100k-ohm stereo control.** With 40% loudness tap. 1/2"-long, 1/4"-diameter shaft. Mounts in 3/8" hole. **271-1732** ..... **1.99**

**(7) 10k-ohm audio control with SPST switch.** Mini size with 1/4" shaft. Fits 5/16" hole. Switch rated 3 amps at 120VAC. **271-215** ..... **1.99**

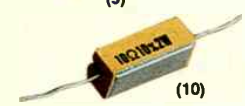
**(8) Potentiometers.** Mount in a 5/16"-diameter hole ..... **Each 1.29**

| Linear taper | | Audio taper | |
|---|---|---|---|
| Ohms | Cat. No. | Ohms | Cat. No. |
| 5k | 271-1714 | 5k | 271-1720 |
| 10k | 271-1715 | 10 | 271-1721 |
| 50k | 271-1716 | 100k | 271-1722 |
| 100k | 271-092 | — | — |
| 1 meg | 271-211 | — | — |

**(9) SPST pot switch.** On/off switch mounts on rear of pots in Fig. 4, many others. 3A at 120VAC. **271-1740** .. **99¢**



(8) (7) (9)

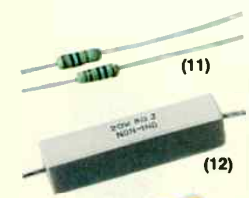


(10)

## (10) Wirewound resistors in popular values

| Ohms | Watts | Cat. No. | Price |
|---|---|---|---|
| 10 | 2 | 271-080 | 2/.99 |
| 0.47 | 5 | 271-130 | Each .59 |
| 1.0 | 10 | 271-131 | 2/.99 |

| Ohms | Watts | Cat. No. | Price |
|---|---|---|---|
| 10 | 10 | 271-132 | 2/.99 |
| 50 | 10 | 271-133 | 2/.99 |
| 100 | 10 | 271-135 | 2/.99 |



(11) (12)

## Metal-oxide resistors and non-inductive resistor

**(11) Metal-oxide.** One-watt. 5%.
**10 ohms. 271-151** .... **Pkg. of 2/49¢**
**100 ohms. 271-152**... **Pkg. of 2/49¢**
**1k ohms. 271-153** .... **Pkg. of 2/49¢**

**(12) 8-ohm non-inductive resistor.** Rated 20 watts. 5% tolerance. Useful in high-power audio hookups and projects. **271-120** ..... **1.49**



(13)

## Color-code guide speeds repairs and projects

**(13)** Pocket size. Simple to use. Just match colors to get a fast readout of values of resistors, capacitors and inductors. **271-1210** ..... **1.19**

# All About Resistors

**QUESTION:**
*What are resistors?*
**ANSWER:**
*Resistors are devices that restrict the flow of electricity. Resistors are rated in ohms—the higher the ohms value, the more a resistor restricts the flow of electrical current. Resistors are also rated in watts, the unit of measuring electrical power. As a resistor restricts electricity, heat is produced. The watt rating tells us the amount of electrical power a resistor can handle safely.*

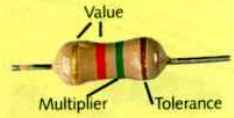
**QUESTION:**
*How do I choose a resistor?*
**ANSWER:**
*When choosing a resistor for a repair, it's important to select one with the same, or nearly the same ohms value as the original. The resistor should be the same type: carbon-film, wirewound, etc., and have the same or a higher wattage rating. It's OK to substitute a 1/2-watt resistor for a 1/4-watt resistor, but don't use a 1/4-watt resistor to replace a 1/2-watt or larger resistor.*



### Resistor color codes

| | Value | Multiplier |
|---|---|---|
| Black | 0 | 1 |
| Brown | 1 | 10 |
| Red | 2 | 100 |
| Orange | 3 | 1,000 |
| Yellow | 4 | 10,000 |
| Green | 5 | 100,000 |
| Blue | 6 | 1,000,000 |
| Violet | 7 | 10,000,000 |
| Gray | 8 | 100,000,000 |
| White | 9 | 1,000,000,00 |
| Tolerance | | |
| No color | 20% | |
| Silver | 10% | 0.01 |
| Gold | 5% | 0.1 |

**QUESTION:**
*How do I read the color codes?*




**ANSWER:**
*The first and second color bands indicate the value in ohms. In the example, the bands are brown and green, which equals 15. The third band is the multiplier, orange, which indicates 1,000. Thus, the resistor has a value of 15 times 1,000 or 15,000 ohms. The fourth band indicates tolerance, the amount the ohms value can vary. In the example, the tolerance band is gold, equaling ± 5%. The value of the resistor is 15,000 ohms with a possible variation of ± 5%. In diagrams and texts, 1,000 ohms is often shortened to 1k ohm and one million ohms to 1 megohm. Another abbreviation you'll see is the symbol for ohms: Ω.*

Discounts on large-quantity purchases available at participating Radio Shack stores and dealers.

World Radio History



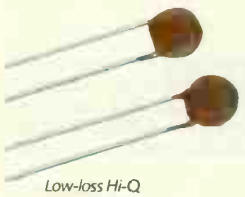
Axial-lead electrolytics

| Axial-lead electrolytic capacitors | | | |
|---|---|---|---|
| µF | WVDC | Cat. No. | Each |
| 4.7 | 35 | 272-1012 | .49 |
| 10 | 35 | 272-1013 | .59 |
| 22 | 35 | 272-1014 | .69 |
| 47 | 35 | 272-1015 | .69 |
| 100 | 35 | 272-1016 | .99 |
| 220 | 35 | 272-1017 | 99 |
| 470 | 35 | 272-1018 | .99 |
| 1000 | 35 | 272-1019 | 1.59 |
| 2200 | 35 | 272-1020 | 2.99 |
| 4700 | 35 | 272-1022 | 3.59 |
| 1000 | 50 | 272-1047 | 1.99 |
| 2200 | 50 | 272-1048 | 3.49 |



Radial-lead electrolytics

| Radial-lead electrolytic capacitors | | | |
|---|---|---|---|
| µF | WVDC | Cat. No. | Each |
| 220 | 16 | 272-956 | .99 |
| 470 | 16 | 272-957 | .99 |
| 1000 | 16 | 272-958 | .99 |
| 4.7 | 35 | 272-1024 | .49 |
| 10 | 35 | 272-1025 | .59 |
| 22 | 35 | 272-1026 | .69 |
| 47 | 35 | 272-1027 | .69 |
| 100 | 35 | 272-1028 | .99 |
| 220 | 35 | 272-1029 | .99 |
| 470 | 35 | 272-1030 | .99 |
| 1000 | 35 | 272-1032 | 1.59 |
| 100 | 50 | 272-1044 | 1.19 |



Low-loss Hi-Q ceramic discs

| Hi-Q ceramic discs<br>Moisture proof coating, extra-long leads | | | |
|---|---|---|---|
| Value | WVDC | Cat. No. | Pkg. of 2 |
| 4.7pF | 50 | 272-120 | .49 |
| 47pF | 50 | 272-121 | .49 |
| 100pF | 50 | 272-123 | .49 |
| 220pF | 50 | 272-124 | .49 |
| 470pF | 50 | 272-125 | .49 |
| 0.001µF | 500 | 272-126 | .59 |
| 0.0047µF | 500 | 272-130 | .59 |
| 0.01µF | 500 | 272-131 | .59 |
| 0.047µF | 50 | 272-134 | .59 |
| 0.1µF | 50 | 272-135 | .69 |

0.01 µF, 2 kV. For demanding bypass and coupling jobs. 272-160 . . . . . Pkg. of 2/1.19



High-capacity tantalums

| Tantalum High capacity. IC pin spacing. 20% tolerance. | | | |
|---|---|---|---|
| µF | WVDC | Cat. No. | Each |
| 0.1 | 35 | 272-1432 | .59 |
| 0.47 | 35 | 272-1433 | .59 |
| 1.0 | 35 | 272-1434 | .59 |
| 2.2 | 35 | 272-1435 | .69 |
| 10 | 16 | 272-1436 | .79 |



Mini PC-mounts rated 50 WVDC

| PC-mount Long leads permit point-to-point wiring, too. | | | |
|---|---|---|---|
| µF | WVDC | Cat. No. | Pkg. of 2 |
| 0.01 | 50 | 272-1065 | .59 |
| 0.022 | 50 | 272-1066 | .69 |
| 0.047 | 50 | 272-1068 | .69 |
| 0.1 | 50 | 272-1069 | .79 |
| 0.22 | 50 | 272-1070 | .89 |



Metal film caps rated 200 WVDC

| Metal-film Low leakage. Stable at high temperatures. | | | |
|---|---|---|---|
| µF | WVDC | Cat. No. | Each |
| 0.01 | 200 | 272-1051 | .59 |
| 0.1 | 200 | 272-1053 | .79 |
| 1.0 | 200 | 272-1055 | 1.19 |



Nonpolarized electrolytics

| Nonpolarized Electrolytics for speaker crossovers, audio filters. | | | | |
|---|---|---|---|---|
| µF | Approx. Crossover Frequency (8 Ohms) | WVDC | Cat. | Each |
| 1.0 | 10 kHz | 50 | 272-996 | .99 |
| 2.2 | 8 kHz | 50 | 272-997 | .99 |
| 4.7 | 4 kHz | 50 | 272-998 | .99 |
| 10.0 | 2 kHz | 50 | 272-999 | .99 |

# Capacitors
## Ceramic Discs to Electrolytics

*At Radio Shack, you'll find a wide variety of capacitors to fit your equipment. Our standard ceramic types include high-capacity tantalums and tiny monolithic capacitors. We carry nonpolarized electrolytics, like those used in speaker crossover networks, and polarized electrolytics including both axial-lead and radial-lead types. Plus, we have money-saving assortment packs available.*

***REMEMBER:*** *It is always best to replace a capacitor with one of the same type. Electrolytic and standard capacitors, for example, are not interchangeable. It's OK to replace a capacitor with one of the same value that has a higher working voltage (WV or WVDC). Never replace a capacitor with one that has a lower working voltage.*




### Monolithics and picofarad-pack

**(1) 0.1 µF monolithic capacitors.** 50 WVDC. High capacity in a tiny size with standard DIP IC-spaced leads—perfect for chip bypass use. **272-109** . . . . . **Pkg. of 5/1.89**

**(2) Picofarad 50-pack.** 50WVDC. For service techs and tweakers! Hard-to-find assorted values from 1 to 33 pF. **272-806** . . . **Set of 50/3.29**



### Electrolytic assortment

**Up to 50 WVDC.** Includes mini and submini sizes in a variety of values and styles to complete your parts inventory. **272-802** . . . . . **Set of 20/2.49**



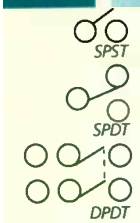
### Set of 100 disc capacitors

**Up to 1000 WVDC.** Bargain! May include NPO, Hi-Q, N750, mylar and ceramic types. Assorted values and voltage ratings. **272-801** . . . . . **2.49**

Can't find the one you need here? We can special-order it for you—see page 4.



World Radio History




### Switch/relay contact configurations

*SPST – single-pole, single-throw. These switches or relay contacts have two terminals (hookup points) and switch one circuit on/off.*

*SPDT – single-pole, double-throw. These switch one terminal, usually the middle one, between two other terminals*

*DPDT – double-pole, double-throw. This configuration switches two terminals between two other pairs of terminals.*



(1)

## Illuminated switches

**(1) Lighted 125VAC SPST push on-push off.** Panel-mount, heavy-duty 10-amp rating. For 125VAC only. Button is lighted when switch is "on." Requires a 7/16" mounting hole. **275-671.....3.99**



(2)

**(2) New SPST lighted rocker switch.** Lights when "on." Switch rated 10 amps at 125VAC. Mounts in 3/4"-diameter round panel hole. Quick-connect terminals. **275-692.....2.69**



(3)

## Push on-push off and momentary switches for panel mounting



(4)

**(3) SPST push on-push off.** Rated 3 amps at 250VAC. Requires a 1/2" mounting hole. **275-011.....1.39**

**Momentary version of fig. 3.** Normally open. **275-609 .....Pkg. of 2/2.79**



(5)

**(4) SPST push on-push off.** Rated 3 amps at 250VAC. Requires 1/2" mounting hole. **275-617 .....1.69**

**Momentary version of fig. 4.** Normally open. **275-618.....1.89**

**(5) SPST "soft-feel" push on-push off.** Rated 3 amps at 125VAC. Requires 3/8"-diameter mounting hole. **275-1565 .....2.19**



(6)

**Momentary version of fig. 5.** Normally open. **275-1566....2.39**

**(6) SPST momentary.** Normally open. Rated 0.5A at 125VAC. Requires 3/8"-diameter mounting hole. **275-1571....Pkg. of 2/2.39**



(7)

**(7) Mini SPDT push on-push off.** Rated 3 amps at 125VAC. Requires 3/16"-diameter mounting hole. **275-1555.....2.79**



(8)

**(8) Mini SPDT momentary push-button.** Rated 3 amps at 125VAC. Requires 1/4"-diameter mounting hole. **275-1549 .....2.99**



(9)

**(9) Mini SPST momentary.** This normally open light-duty switch is a popular choice for projects. 0.5 amp at 125VAC. 1/4" mounting hole. **275-1547 ....Pkg. of 4/2.99**

**Normally closed version of fig. 9. 275-1548 .....Pkg. of 4/2.99**



(10)

**(10) SPST mini momentary push-button.** Normally open. Rated 3 amps at 125VAC. 1/4" mounting hole. **275-1556 ....Pkg. of 2/1.99**



(11)

## Heavy-duty toggle switches

**(11) DPDT with center off position.** This popular switch is rated 10 amps at 125VAC and has screw terminals. On-off-on label plate. Requires 7/8" mounting hole. **275-1533 .....1.99**



(12)

**(12) Flat lever heavy-duty.** Rated 6 amps at 250VAC. Has 3/8 x 1" lever, requires 7/16" mounting hole.
**SPST. 275-651.....1.99**
**DPDT. 275-652.....2.79**
**SPDT with center off position. 275-654 .....2.59**
**DPDT with center off position. 275-653 .....3.19**



(13)

**(13) SPDT heavy-duty.** Rated 5 amps at 125VAC. Requires 7/16" mounting hole. **275-603 .....1.69**
**SPST.** Rated 3 amps at 125VAC. **275-602.....1.49**
**DPDT.** Rated 3 amps at 125VAC. **275-666.....1.99**

## Mini, submini and micro toggle switches



(14)

**(14) Flatted metal lever.** 6 amps at 125VAC. Requires 1/4" mtg. hole.
**SPST. 275-634.....2.79**
**SPDT. 275-635.....2.99**
**DPDT. 275-636 .....3.59**

**Toggle switch kit.** Rated 3 amps at 125VAC. Includes one DPDT, two SPST. **275-322.....Set of 3/3.59**



(15)

Mini. 6A/125VAC. 1/4" mtg. hole.
**DPDT. 275-663 .....3.59**
**DPDT center off. 275-664 ...3.99**

**(15) High-current mini.** 10 amps at 125VAC. 1/4" mounting hole.
**SPST. 275-324 .....2.99**
**SPDT center off. 275-325....3.59**
**DPDT center off. 275-1545 ..4.89**



(16)

Micromini. 3A/125VAC. 1/4" hole.
**SPST. 275-624 .....2.79**
**SPDT. 275-625.....2.99**
**DPDT. 275-626 .....3.39**

**(16) Submini.** Rated 3 amps at 125VAC. 1/4" mounting hole.
**SPST. 275-612 .....2.89**
**SPDT. 275-613 .....2.99**
**DPDT. 275-614.....3.49**
**DPDT center off. 275-620 ...4.79**



(17)

**(17) PC-mountable submini SPST.** 0.3 amp/125VAC. Also panel mounts in 1/4" hole. **275-645...2.99**

## Heavy-duty rocker switches

Rated 10 amps at 125VAC, or 6 amps at 250VAC. Mount in 3/4" diameter (approx.) round panel hole.



(18)

**(18) New SPST rocker switch.** Black. **275-693.....1.99**



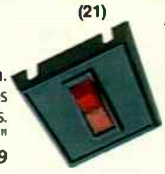
(19)

**(19) New SPST rocker switch.** Red. **275-694.....1.99**



(20)

**(20) New DPDT rocker switch.** 11/16" approx. mtg. hole. **275-695....2.79**



(21)

## Automotive switches

**(21) Lighted rocker switch and panel.** SPST switch rated 20 amps at 12VDC. **275-704.....4.49**

**Dual lighted flip switch and panel.** Switches rated 20 amps at 12VDC, each. **275-702 .....3.49**



(22)

**(22) Lighted flip switch.** Rated 20 amps at 12VDC. **275-706.....2.79**

**SPST flip switch.** Rated 16 amps at 12VDC. **275-701.....1.99**

**Heavy-duty flip switch.** Rated 25 amps at 12VDC. **275-708.....2.29**



(23)

**(23) DPDT flip switch.** Center off. 20 amps at 12VDC. **275-710..2.99**

**DPDT momentary flip switch.** Has spring return to center off position. 20 amps at 12VDC. **275-709, 3.29**



(24)

**(24) New SPDT flip switch.** With center off position. Rated 20 amps at 12VDC. **275-711.....1.99**

## Lever, knife, rotary, slide, rocker and DIP-type switches



(25)

**(25) New Lighted SPST rocker switch.** Rated 30A at 12VDC. 7/16" mtg. hole. **275-712.....2.29**



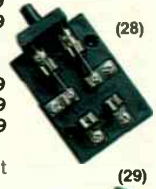
(26)

**(26) SPDT with 3/4" roller lever.** Operating force: 5 grams. Rated 5 amps at 250VAC. Body size: 3/4 x 1/4 x 3/8". UL listed. **275-017..2.19**
**Without roller. 275-016 .....1.99**



(27)

**(27) Rotary.** 2-pole, 6-positions. Nonshorting. Rated 0.3A at 125VAC. **275-1386 .....1.49**
**Rotary.** 1-pole, 12-pos. Shorting. 0.3A at 125VAC. **275-1385 ..1.49**



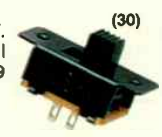
(28)

**(28) DPDT knife switch.** Screw terms. For low-power use. 0.5A. 1 5/8 x 2 3/8 x 3/4". ***Not For AC Or High Voltage.*** **275-1537.....1.99**



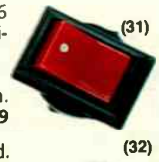
(29)

**(29) SPST submini slide switches.** Rated 0.3 amp at 125VAC.
**275-406.....Pkg. of 2/99¢**
**DPDT submini slide.** 0.3, 125VAC.
**275-407.....Pkg. of 2/1.19**



(30)

**(30) SPST heavy-duty slide.** 3A at 125VAC. **275-401, Pkg. of 2/1.29**
**DPDT heavy-duty slides.** 3A/125VAC. **275-403, Pkg. of 2/1.49**
**SPDT slide switches.** 3 amps at 125VAC. **275-409, Pkg. of 2/1.39**
**6-piece slide switch kit.** Rated 0.5A/125VAC. Includes one SPDT, one DPST, two DPDT, two SPST, 12 screws. **275-327 ....Set of 6/2.49**



(31)

**(31) Heavy-duty rocker switches.** 6A at 125VAC. 3/4" mounting hole.
**SPST. 275-690 .....1.99**
**DPDT. 275-691 .....2.79**



(32)

(32) DIP switches. For digital and low-current uses.
**4-position.** Fits 8-pin DIP socket. **275-1304 .....1.59**
**8-position.** Fits 16-pin DIP socket. **275-1301 .....1.79**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).

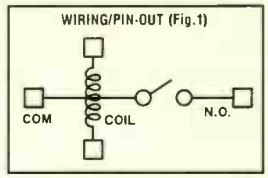
World Radio History

(1)



### Compact 1-amp SPST reed relays

(1) Fast response, small size and low cost make these a good choice for robotics, computer interfacing and other projects that require several relays.
5VDC coil. 275-232 ..... 2.49
12VDC coil. 275-233 ..... 2.49

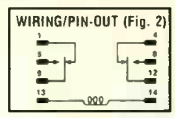



(2)



### Plug-in relay & socket

(2) DPDT. 12VDC coil. Socket has holding clips; relay mounts in any position. 275-206 . . 6.49

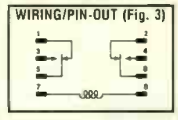



(3)



### 10-amp plug-in relays

(3) DPDT. Ideal for switching high-current appliances, lighting. 12VDC coil. 275-218, 6.99
125VAC coil. 275-217 . . . 6.99
Socket. 275-220 ..... 1.99

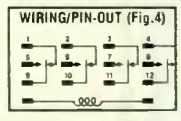



(4)



### 4PDT plug-in relay

(4) Switches up to four circuits. 12VDC coil. 3 amp/125VAC contacts. 275-214 ..... 6.49
Socket. 275-221 ..... 1.99

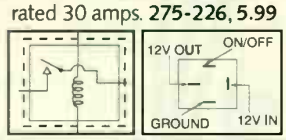



(5)



### 30A automotive relay

(5) For switching lighting and accessories. SPST contacts rated 30 amps. 275-226, 5.99



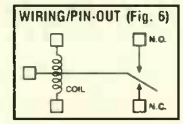

WIRING/PIN-OUT (Fig.5)

(6)



### Mini 2A SPDT relay

(6) 7-9VDC coil with low current requirement. Mounts on PC board. 275-005 ..... 2.99

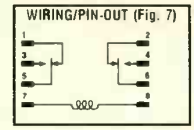



(7)



### Mini 10A SPDT relay

(7) 12VDC coil. PC-mount. Heavy duty contact rating in a small size. 275-248 ..... 3.49

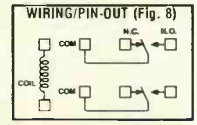



(8)



### Mini 5A DPDT relay

(8) 12VDC coil. Compact size and high reliability at low cost.
275-249 ..... 3.99

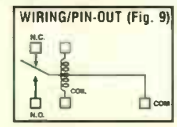



(9)



### DIP 2A SPDT relay

(9) 5VDC coil. Perfect for breadboarding—fits DIP IC socket. 275-243 ..... 2.99

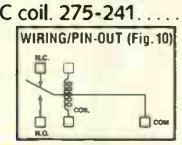



(10)



### Micro 1A SPDT relays

(10) Fits where others will not.
5VDC coil. 275-240 ..... 2.99
2VDC coil. 275-241 ..... 2.99



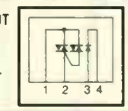

(11)



### New Solid-state relay

(11) SPST equivalent. Switches up to 3A at 125VAC. 12VDC trigger. 275-310 ..... 6.99

WIRING/PIN-OUT (Fig.11)
Pins 1 and 2 = controlled circuit. Pins 3 and 4 = control voltage.




# Big Values in Little Relays

*These Radio Shack relays are popular types that are ideal for all sorts of hobby and experimental projects, robotics and computer-interface applications. In addition to the in-stock relays shown here, we can quickly supply any of several dozen other quality relays through Radio Shack Unlimited℠. See store for details.*



### New Universal garage door remote replacement is also a "ready-to-go" remote-control system for do-it-yourselfers

Super-versatile and easy to use. With simple *2-wire* hookups this system can (1) add an extra remote to any electric garage door opener, or (2) replace any defective garage door remote, or (3) add remote control to any non-remote electric garage door opener. Plus, do-it-yourselfers can use it to add an on/off remote to virtually any electric appliance or light, car accessory, or electronic project.

The system consists of a prewired receiver module and a one-button remote that's small enough to fit on a keychain. The system provides up to 100-foot range. A 16-million combination digital security code helps prevent false triggering or unauthorized access.

For garage door use, installation couldn't be easier—just connect two wires from the receiver to the existing garage-door control switch. For custom remote applications, a 12-volt power source, either AC or DC, is required. Receiver's SPST relay contacts are rated 10 amps at 24V. Keychain remote includes two long-life replaceable lithium batteries and has an LED transmit indicator.
61-2107 ..... 59.99

| Fig. | Description | Coil Rating | Contacts and Rating | Size | Cat. No. | Each |
|---|---|---|---|---|---|---|
| 1 | 1-Amp SPST Reed<br>1-Amp SPST Reed | 5VDC, 20 mA, 250Ω<br>12VDC, 11 mA, 1.05 kΩ | SPST, 1A at 125VAC<br>SPST, 1A at 125VAC | 1"×5/16" dia.<br>1"×5/16" dia. | 275-232<br>275-233 | 2.49<br>2.49 |
| 2 | Plug-In With Socket | 12VDC, 75 mA, 150Ω | DPDT, 3A at 125VAC | 1 1/8×1×3/4" | 275-206 | 6.49 |
| 3 | 10-Amp Plug-In<br>10-Amp Plug-In | 12VDC, 130 mA, 160Ω<br>125VAC, 15 mA, 4.5 kΩ | DPDT, 10A at 125VAC<br>DPDT, 10A at 125VAC | 1 5/8×1×3/4"<br>1 5/8×1×3/4" | 275-218<br>275-217 | 6.99<br>6.99 |
| 4 | 4PDT Plug-In | 12VDC, 130 mA, 150Ω | 4PDT, 3A at 125VAC | 1 3/8×1 1/8×1 3/16" | 275-214 | 6.49 |
| 5 | 30A Automotive | 12VDC, 160 mA, 66Ω | SPST, 30A at 12VDC | 2×1 3/16×1 1/8" | 275-226 | 5.99 |

| Fig. | Description | Coil Rating | Contacts and Rating | Size | Cat. No. | Each |
|---|---|---|---|---|---|---|
| 6 | 2-Amp SPDT Mini | 7-9VDC, 18 mA, 500Ω | SPDT, 2A at 125VAC | 3/4×3/4×9/16" | 275-005 | 2.99 |
| 7 | 10-Amp SPDT Mini | 12VDC, 30 mA, 400Ω | SPDT, 10A at 125VAC | 9/16×25/32×5/8" | 275-248 | 3.49 |
| 8 | 5-Amp DPDT Mini | 12VDC, 60 mA, 200Ω | DPDT, 5A at 125VAC | 7/16×3/4×1 1/2" | 275-249 | 3.99 |
| 9 | 2-Amp SPDT DIP | 5VDC, 72 mA, 70Ω | SPDT, 2A at 125VAC | 3/8×9/16×3/8" | 275-243 | 2.99 |
| 10 | 1-Amp SPDT Micro<br>1-Amp SPDT Micro | 5VDC, 90 mA, 55Ω<br>12VDC, 37.5 mA, 320Ω | SPDT, 1A at 125VAC<br>SPDT, 1A at 125VAC | 11/32×3/8×1/4"<br>11/32×3/8×1/4" | 275-240<br>275-241 | 2.99<br>2.99 |
| 11 | 3-Amp solid-state | (no coil) 12VDC, 15mA | SPST, 3A at 125VAC | 1 3/8×3/4×3/16" | 275-310 | 6.99 |

**A** or **Amp** are both abbreviations for Ampere, the unit of measuring electrical current. **V** is the abbreviation for Volt, the unit of measuring electrical pressure. **AC** = alternating current. **DC** = direct current. When selecting a switch or relay, make sure the contact rating is sufficient to handle the current (amps) and voltage to be switched. See top of facing page for switch and relay contact configurations.

World Radio History

# Electronic components

## Just ask . . .

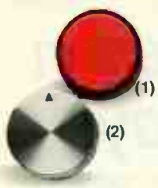
*Check our huge in-store stock of parts . . . if you don't find what you need, we can get it quick. Our Radio Shack Unlimited in-store catalogs offer thousands of electronic parts, accessories and supplies, including the latest in semiconductors and ICs, capacitors, resistors, transistors, project cases, wire, fuses, connectors, timers, plus test equipment, tools, soldering or desoldering equipment. You can also use Radio Shack Unlimited to get hundreds of accessories for Radio Shack audio, video, security and computer equipment, too. Ordering is easy. Simply bring in the part, or the catalog number if you need an accessory for Radio Shack equipment. We'll verify availability and place your order. Join the thousands of Radio Shack customers who save time, gas and phone charges using this handy service. See pages 4-5 for further information.*

### You've got questions. We've got answers.






*(Right) These three adapters attach easily to the end of test leads, making your leads more versatile.*





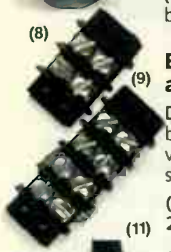























### Control knobs for 1/4"-diameter shafts

- With quality brass bushings and set screws

**(1) Red insert.** 1" diameter by 5/8". Use with blue style, below, to color-code controls. **274-433** ..... Pkg. of 2/1.29

**(2) Contemporary.** 1" diameter by 5/8". **274-424,** Pkg. of 2/2.39

**(3) Hexagonal.** 1 1/4" diameter by 5/8". **274-407** .... Pkg. of 2/1.39

**(4) Communications.** 1 1/2" diameter by 11/16". Feature a knurled grip and groove pointer. **274-402** ..... Pkg. of 2/1.39

**(5) Blue insert.** 1/2" diameter by 3/8". Color-matched to our popular #270-220-series enclosures. **274-403** .. Pkg. of 2/99¢

**(6) Hexagonal with aluminum insert.** 3/4" diameter by 7/16". Knurled plastic grip. **274-415** ..... Pkg. of 4/1.89

**(7) Jumbo version of Fig. 6.** 1" by 9/16". **274-416,** Pkg. of 4/2.29

### Barrier strips and accessories

**Dual-row barrier strips.** Barriers between the positions help prevent accidental contact and short circuits.

**(8) 2-position. Heavy-duty.** **274-656** ..... Pkg. of 2/1.69

**(9) 4-position version of Fig. 8.** **274-658** ..... Each 1.59
**6-position. 274-659,** Each 1.99
**8-position. 274-670,** Each 2.39

**(10) 8-position jumper.** Use to connect up to eight terminals on barrier strips. **274-650** .... 1.59

**(11) Chassis-mount feed-through barrier strip.** Eight screw terminals with 3/16" solder tabs on rear. **274-653** ..... 2.99

### Wire terminal strips

**(12) Five-lug tie points.** Use center lug for grounding when used on metal chassis. **274-688** ..... Pkg. of 4/1.29

**(13) Two screw terminals with phono jack.** Ideal for replacing jacks on speakers or use on projects. **274-620** .. Pkg. of 2/1.59

**(14) PC-board wire terminals.** Two-position strip. Ideal for radio projects. **276-1388** ..... Pkg. of 4/2.29

**(15) 12-position standard European-style strip.** **274-679** ..... 2.59
**8-position standard European-style strip. 274-678** ..... 2.19

**(16) 12-position jumbo "Euro" style barrier strip.** Each position accepts two wires. **274-677** ..... 4.19

### Multitester accessories

Fig. 17-19 connect easily to your test leads.

**(17) Wire-piercing probe adapters. 278-715** ... Pair 3.29

**(18) Alligator clip adapters.** Great for attaching test probes to test points and terminals. **270-354** ..... Pair 2.59

**Mini-hook adapters.** Ideal for attaching test probes to component and IC leads. **270-334** ..... Pair 2.99

**(19) Micro-clip jumper wires.** 20" long. **278-017** ..... Pair 4.19

**Mini-clip jumper wires.** 20" long. **278-016** ..... Pair 4.19




**(20) Test leads with banana plugs.** 36" long. **278-704** ..... Pair 3.99

**Mini-clip test leads.** 48" long. Clip at one end, banana plug at other. With pin-tip adapters. **278-1160** ..... Pair 4.79

**Coiled 6-ft. test leads.** Test probe at one end, banana plug at the other. Coiled cord. **278-750** ..... Pair 6.99

**Test leads with 90° pin tips.** 36" long. **278-712** ... Pair 2.99

**Test leads with 90° banana plugs.** 36" long. **278-713** ..... Pair 3.99

**Test leads with pin tips.** 36" long. **278-705** ..... Pair 2.99




### Line cords and computer power cords

**(21) Detachable 6-ft. CEE cord with right-angle connector.** Fits many computers, desk calculators. **278-1260** ..... 5.99

**6-ft. CEE cord.** Detachable AC cord for computers. **278-1257** ..... 3.99

**Shielded version of above.** **278-1262** ..... 4.99

**12-ft. CEE cord.** **278-1261** ..... 5.99

**6-ft. CEE extension.** **278-1259** ..... 4.99

**6-ft. replacement AC cord.** With prewired 2-prong AC plug at one end and bare wires at the other. **278-1255** ..... 1.39

**Above with 3-prong plug.** **278-1258** ..... 2.99

**(22) 6-ft. recorder/radio cord.** 2-prong AC plug. **278-1254** ..... 2.49

**Recorder/radio cord.** Above with different plug. **278-1256** ... 1.99

Radio Shack carries an unbeatable selection of soldering tools and supplies—see pages 120-121.

World Radio History

## Banana plugs, binding posts and hook clips

*Why put up with crummy hookups when you can use these connectors to add reliability and a neat appearance to projects, test gear and high-power speaker hookups.*


(1)

**(1) Stackable banana plugs.** Has banana jack for chain hookups. One red, one black.
**274-734** ..... **Set of 2/1.79**


(2)

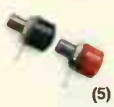
**(2) Solderless banana plugs.** One red and one black.
**274-721** ..... **Set of 2/1.59**


(3)

**(3) Flexible banana plugs.** Flexible strain relief. Set includes one red and one black.
**274-730** ..... **Set of 2/1.99**


(4)

**(4) Nylon binding posts.** Mount in 3/16"-diameter holes. One red, one black.
**274-662** ..... **Set of 2/1.99**


(5)

**(5) Banana jacks.** Mount in 1/4" hole. One red and one black.
**274-725** ..... **Set of 2/99¢**


(6)

**(6) Multipurpose posts.** Versatile! Accept banana plugs, spades, phone tips, wires. Includes two red, two black.
**274-661** ..... **Set of 4/2.59**


(7)

**(7) Rainbow pack of micro-hook clips.** Four colors.
**270-355** ..... **Set of 4/3.29**


(8)

**(8) Mini hook clips.** Set of one red, one black.
**270-372** ..... **Set of 2/2.49**


(9)

**(9) Binding post to banana plug.** Stackable.
**274-716** ..... **Set of 2/5.59**


(10)

**(10) Dual inline banana plug.** Built-in jack accepts test probes, probe wire and/or banana plugs.
**274-717** ..... **2.99**

## Polarized interlocking connectors


(11)

**(11) Two-pin male/female set.** Handles up to 12 amps, 250VAC per circuit. **274-222** ..... **Set 99¢**

**Heavy-duty male.** 250V per circuit. 20 amps. **274-151** ..... **99¢**

**Heavy-duty female.** 250V per circuit. 20 amps. **274-154** ..... **99¢**

**Standard male, 250V per circuit**

| Pos. | Amps | Cat. No. | Each |
|---|---|---|---|
| 4 | 9 | 274-224 | 1.19 |
| 6 | 9 | 274-226 | 1.39 |
| 9 | 9 | 274-229 | 1.69 |
| 12 | 7.5 | 274-232 | 1.89 |


(12)

**Standard female, 250V per circuit**

| Pos. | Amps | Cat. No. | Each |
|---|---|---|---|
| 4 | 9 | 274-234 | 1.19 |
| 6 | 9 | 274-236 | 1.39 |
| 9 | 9 | 274-239 | 1.69 |
| 12 | 7.5 | 274-242 | 1.89 |


(13)

**(12) Pin extractor.** For standard polarized connectors. Remove male or female .093"-dia. locking crimp pins easily, without damage. **274-223** ..... **4.99**


(14)

## DC power connectors

I.D. = Inside Diameter.
O.D. = Outside Diameter.

**(13) Coaxial plugs.** Fit many CD and tape portables, RC cars, keyboards.

| O.D. | I.D. | Cat. No. | Pkg. of 2 |
|---|---|---|---|
| 3.5mm | 1.3mm | 274-1571 | 1.99 |
| 5.0mm | 1.6mm | 274-1570 | 1.89 |
| 5.0mm | 2.1mm | 274-1567 | 1.89 |
| 5.0mm | 2.5mm | 274-1568 | 1.89 |
| 5.5mm | 2.1mm | 274-1569 | 1.69 |
| 5.5mm | 2.5mm | 274-1573 | 1.69 |
| 6.3mm | 3.0mm | 274-1572 | 1.79 |


(15)


(16)


(17)


(18)


(19)


(20)

**(14) Metal panel-mount DC input jacks.** 5.5mm outside diameter.
**2.1mm I.D. 274-1563** ..... **1.69**
**2.5mm I.D. 274-1576** ..... **1.69**
**(15) Panel-mount DC power jack.** 5.5mm O.D. 2.5mm I.D. With switch. **274-1579** ..... **1.69**
**(16) DC power jack.** 5.5mm O.D. 2.1mm I.D. Panel mount with switch. **274-1580** ..... **1.69**
**(17) Molded DC jacks.** 5.0mm O.D., 2.1mm I.D. **274-1565, 2/1.69**
**(18) Inline jack.** 5.5mm O.D., 2.1mm I.D. **274-1577** ..... **1.99**

**Polarized connectors**
**(19) Socket. 274-202** ..... **2.39**
**(20) Plug. 274-201** ..... **2.39**

# We're Your Connector Connection

*Whether you're building a power supply for your workbench, repairing a portable radio, or replacing some worn out wires in a home appliance, Radio Shack has the connector you need.*

***Below are some common coaxial plug sizes. Use the illustration to conveniently find the size you need.***

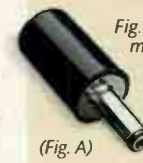

(Fig. A)

*Fig. A shows coaxial DC power plugs, most often used in battery-powered electronics such as portable CD and tape players, music keyboards, and answering machines. These plugs come with different inside and outside diameters to ensure a proper fit.*

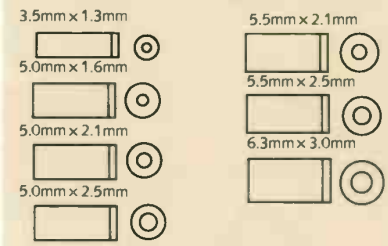
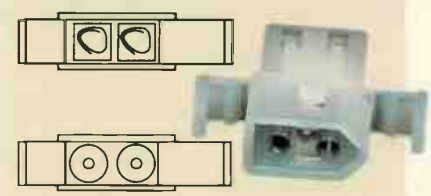



*Fig. B shows polarized connectors frequently used in appliances. These connectors are "keyed" to prevent accidental reversing. You can also swap male and female pins between the connector halves to make a unique plug that prevents connecting to the wrong cable.*

*(Fig. B) Polarized interlocking connector pair*



*(Fig. C) Panel-mount banana jack and plug*



*Fig. C shows a banana plug and binding post used in many test devices and benchtop power supplies. These plugs provide secure connections for temporary use, where soldering or crimping a connector would not be practical.*

Quantity discounts available at participating Radio Shack stores and dealers.

World Radio History

# Fuses for electronic equipment and vehicles.



(1) *Fast-acting 1¼ × ¼"*



(2) *Slow-blow 1¼ × ¼"*



(3) *Ceramics for microwaves*



(4) *Fast-acting 5 × 20mm*



(5) *Slow-blow 5 × 20mm*



(6) *Thermal protector fuses for coffee makers & more*

**(1) Fast-acting 1¼ × ¼" glass fuses** ..... Pkg. of 4/1.29

| Amps | Cat. No. | Amps | Cat. No. |
|---|---|---|---|
| ¼ | 270-1002 | 3 | 270-1009 |
| ½ | 270-1003 | 4 | 270-1010 |
| ¾ | 270-1004 | 5 | 270-1011 |
| 1 | 270-1005 | 6 | 270-1012 |
| 1½ | 270-1006 | 7 | 270-1013 |
| 2 | 270-1007 | 8 | 270-1014 |
| 2½ | 270-1008 | 10 | 270-1015 |

**(2) Slow-blow 1¼ × ¼" glass fuses** ..... Pkg. of 4/1.99

| Amps | Cat. No. | Amps | Cat. No. |
|---|---|---|---|
| ¼ | 270-1017 | 3 | 270-1025 |
| ½ | 270-1018 | 4 | 270-1026 |
| 1 | 270-1021 | 5 | 270-1027 |
| 1½ | 270-1022 | 6 | 270-1028 |
| 2 | 270-1023 | 7 | 270-1029 |
| 2½ | 270-1024 | 8 | 270-1030 |

**(3) Ceramic fuses for microwave ovens** ..... Pkg. of 4/1.99

| Amps | Cat. No. | Amps | Cat. No. |
|---|---|---|---|
| 10 | 270-1039 | 20 | 270-1041 |
| 15 | 270-1040 | — | — |

**(4) Fast-acting 5 × 20 mm glass fuses** ..... Pkg. of 4/1.99

| Amps | Cat. No. | Amps | Cat. No. |
|---|---|---|---|
| 0.315 | 270-1046 | 2 | 270-1052 |
| ½ | 270-1047 | 2½ | 270-1053 |
| ¾ | 270-1048 | 3 | 270-1054 |
| 1 | 270-1049 | 4 | 270-1055 |
| 1½ | 270-1050 | 5 | 270-1056 |
| 1.6 | 270-1051 | — | — |

**0.063-amp fast-acting 5 × 20 mm fuses.** Used in many Radio Shack multimeters and other test instruments. **270-1044** ..... **Pkg. of 2/2.49**

**(5) Slow-blow 5 × 20 mm glass fuses** ..... Pkg . of 4/1.99

| Amps | Cat. No. | Amps | Cat. No. |
|---|---|---|---|
| ½ | 270-1061 | 3.15 | 270-1065 |
| ¾ | 270-1062 | 4 | 270-1066 |
| 1 | 270-1063 | 5 | 270-1067 |
| 2 | 270-1064 | 6.3 | 270-1068 |

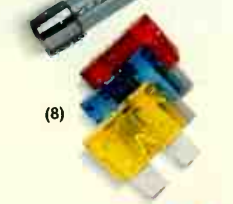
**(6) Thermal protector fuses.** Used in many coffeemakers, small kitchen appliances and other heating-type devices. Rated 240VAC, 10A. ..... **Each 1.29**

| Breaks Circuit at | 128° C | 141° C | 228° C |
|---|---|---|---|
| Cat. No. | 270-1322 | 270-1320 | 270-1321 |

## Automotive fuses and handy fuse kits



(7)



(8)



(9)



(10)

**(7) SFE type.** 1¼ × ¼"-diameter glass fuses.

| Amps | Cat. No. | Pkg. of 4 |
|---|---|---|
| 5 | 270-1071 | 1.29 |
| 10 | 270-1072 | 1.29 |
| 15 | 270-1073 | 1.29 |
| 20 | 270-1074 | 1.29 |

**Glass-type automotive fuse kit.** Be prepared, carry spares! Kit includes two SFE-20, one each of AGC3, 10, 15, 25, 30, and one each of SFE-7½, 9, and 14. **270-1262** ..... **Set of 10/1.99**

**(8) Blade-type automotive fuses.** ..... Pkg. of 3/1.29

| Amps | Cat. No. | Amps | Cat. No. | Amps | Cat. No. |
|---|---|---|---|---|---|
| 5 | 270-1079 | 15 | 270-1082 | 25 | 270-1084 |
| 10 | 270-1081 | 20 | 270-1083 | 30 | 270-1085 |

**(9) Blade-type automotive fuse kit.** Set includes one each of the most popular sizes: 5, 7½, 10, 15, and 20 amps. **270-1201** ..... **Set of 5/1.99**

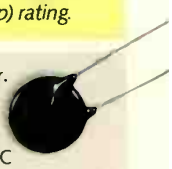
**(10) Mini-blade fuse kit.** You'll need this new type fuse for your late-model car or van. Includes one each: 3, 5, 7½, 10, 15, 20, 25, 30 amps plus a fuse-puller, too. Super value! **270-1203** ..... **9-Piece Set/2.99**

# Be Prepared, Get Spares

*QUESTION:*
*What are fuses?*
*ANSWER:*

Q&A

*Fuses are safety devices that help prevent damage to electronic and electrical equipment. They allow electric current to pass through them until the amount of current goes over the fuse's rating. At that time the fuse "blows" and stops the flow of current. **Fast-acting** fuses react quickly to overloads. **Slow-blow** fuses provide delayed protection to allow for power surges. **Important:** Always replace a fuse with one of the same type (fast-acting or slow-blow) and one thas has the same current (amp) rating.*



MOV AC line-surge protector. Heavy-duty metal-oxide varistor. Helps prevent damage to electronic equipment by absorbing voltage surges present on AC power line. **276-568** ..... **1.99**

### Car fuse holders & helpers



**Solderless holder for glass fuse.** Accepts 1¼ × ¼" fuse up to 20 amps. **270-1211** ..... **1.49**



**Inserter/extractor.** Install or remove glass or blade fuses without damage. **270-1199** .... **99¢**



**Inline "blade" fuse holder.** Rated for fuse up to 20 amps. **270-1213** ..... **1.99**



**Blade fuse taps.** Make it easy to connect accessory power leads, such as from a CB or car stereo, to a fuse panel. **270-1204** ..... **Pkg. of 4/99¢**

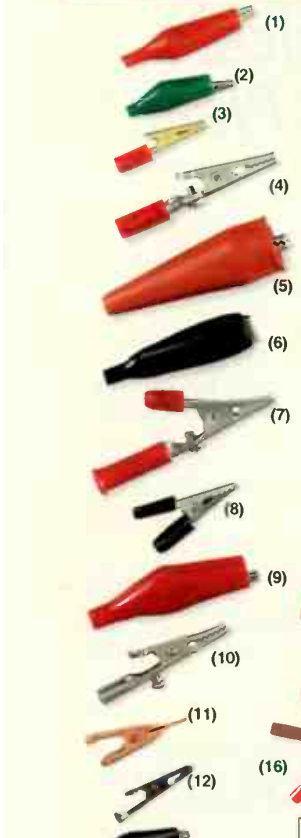



### Fuseholders

| Fig. | Type | Accepts Fuse | Rating at 250VAC | Cat. No. | Price |
|---|---|---|---|---|---|
| 11 | Inline | 5 × 20mm | 5A | 270-1238 | 1.59 |
| 12 | Inline | 1¼ × ¼" | 5A | 270-1281 | 1.59 |
| 13 | New! Heavy Duty Inline | 1¼ × ¼" | 20A | 270-1216 | 1.89 |
| 14 | Panel | 5 × 20 mm | 10A | 270-362 | 1.59 |
| 15 | Panel | 1¼ × ¼" | 10A | 270-364 | 1.59 |
| 16 | Panel | 1¼ × ¼" | 10A | 270-367 | 1.89 |
| 17 | Universal Panel-Mount | 1¼ × ¼," 5 × 20 mm or 2AG | 10A | 270-368 | 1.99 |
| 18 | Chassis | 1¼ × ¼" | 10A | 270-739 | 2/1.19 |
| 19 | 4-Position Fuse Block | 1¼ × ¼" | 20A | 270-742 | 2.39 |
| 20 | PC-Mount Fuse Clips | 1¼ × ¼" 5 × 20 mm and 2AG | 15A 10A 15A | 270-744 | 6-Pc. Set 1.29 |

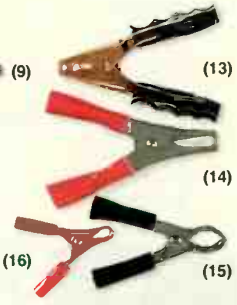
Don't see the fuse you need? We can get it for you fast through Radio Shack Unlimited. See store for details.

World Radio History




## Super selection of test and hookup clips

| Fig. | Size | Type | Set of | Description | Cat. No. | Price |
|---|---|---|---|---|---|---|
| 1 | 1 3/8" | Mini | 12 | 6 red, 6 black | 270-1545 | 2.99 |
| 2 | 1 1/4" | Mini | 10 | 3 black, 3 red, 2 green, 2 yellow | 270-378 | 2.79 |
| 3 | 1 3/8" | Micro | 8 | Brass plated. 4 red, 4 black | 270-1540 | 2.49 |
| 4 | 2 1/4" | Alligator | 10 | Screw terminals. 5 red, 5 black | 270-375 | 2.89 |
| 5 | 2 3/8" | Claw | 4 | Heavy duty. Rated 10A. 2 red, 2 black | 270-349 | 2.39 |
| 6 | 1 3/8" | Claw | 4 | Rated 5 amps. 2 black, 2 red | 270-359 | 1.99 |
| 7 | 2 1/4" | Alligator | 10 | Screw terminals. 5 red, 5 black | 270-347 | 2.49 |
| 8 | 1 3/8" | Mini 'gator | 10 | 5 red, 5 black | 270-374 | 2.49 |
| 9 | 2" | Alligator | 4 | Screw terminals. 2 red, 2 black | 270-356 | 1.99 |
| 10 | 1 1/8" | Slim | 8 | Screw terminals | 270-346 | 2.29 |
| 11 | 1 1/8" | Micro | 10 | All purpose. Copper-plated, smooth ends | 270-373 | 1.99 |
| 12 | 1 1/4" | Mini | 12 | Rated 1 amp. Solder type | 270-380 | 1.99 |




## Heavy-duty car battery clips

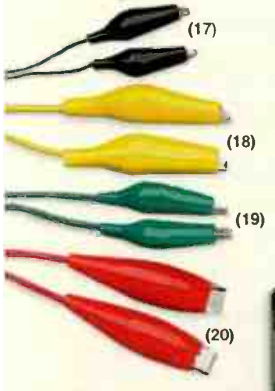
These sets include one black and one red

(13) **New** "Hippo" clips. Handle up to 200 amps! 6" long, open to 1 1/4". **270-339** . . . . . **Set. of 2/4.99**

(14) **50-amp.** For big jobs, such as use on booster cables. Open to 1 1/8". **270-342** . . . . . **Set of 2/2.99**

(15) **30-amp.** Good for replacement on a battery charger. Open to 1 1/8". **270-343** . . . . . **Set of 2/2.49**

(16) **10-amp.** Ideal replacement for trouble lights. 2 1/4" long. Open to 7/8". **270-344**. . . . . **Set of 2/1.99**




## Insulated test/jumper cable sets

Color-coded test leads have an insulated clip at each end. Provide secure connections for easier testing.

| Fig. | Length | Type | Set of | Colors | Cat. No. | Price |
|---|---|---|---|---|---|---|
| 17 | 14" | Mini Alligator | 10 | Black, green, red, white, yellow | 278-1156 | 3.99 |
| 18 | 30" | 1" Alligator | 4 | Black, green, red, yellow | 278-001 | 3.69 |
| 19 | 24" | Mini Alligator | 8 | Black, green, red, yellow | 278-1157 | 3.99 |
| 20 | 40" | Heavy-duty Claw | 6 | Black, blue, green, red, white, yellow | 278-002 | 4.69 |




## Battery holders

All have leads except *, which have a snap connector that accepts #270-324/325 below.

| Fig. | Holds | Cat. No. | Each |
|---|---|---|---|
| 21 | 8 "AA" | 270-407* | 1.49 |
| 22 | 4 "AA" | 270-391 | 1.39 |
| 23 | 2 "AA" | 270-382* | 1.29 |
| – | 4 "AA" | 270-383* | 1.39 |
| – | 8 "AA" | 270-387* | 1.49 |
| 24 | 1 "AA" | 270-401 | .79 |
| 25 | 2 "AAA" | 270-398 | .89 |
| 26 | 1 "N" | 270-405 | .79 |
| 27 | 4 "D" | 270-396 | 1.79 |
| 28 | 1 "D" | 270-403 | .99 |
| 29 | 2 "D" | 270-386 | 1.59 |
| – | 4 "D" | 270-389 | 1.79 |
| 30 | 2 "C" | 270-385 | 1.39 |
| 31 | 1 "C" | 270-402 | .89 |
| 32 | 4 "C" | 270-390 | 1.59 |
| 33 | Lithium | 270-430 | 1.99 |




**9-volt battery holder.** Use to secure a 9V battery in projects. Pkg. of 2. **270-326** . . **99¢**

# The Easy Fix for Broken Antennas

*17 styles in stock. Many others available fast through Radio Shack Unlimited™.*

**Replacement rod antennas for cordless telephones and more**




*Restore performance and looks to cordless phones, portable stereos, walkie-talkies and RC car remotes.*

| Fig. | Sections | Extends to | Cat. No. | Each |
|---|---|---|---|---|
| 34 | 5 | 30 1/2" | 270-1401 | 3.49 |
| 34 | 4 | 34 3/4" | 270-1402 | 3.99 |
| 34 | 3 | 39 1/2" | 270-1403 | 4.49 |
| 34 | 6 | 71 3/4" | 270-1408 | 4.99 |
| 35 | 5 | 15 1/[illegible]" | 270-1406 | 3.49 |
| 36 | 5 | 28" | 270-1405 | 3.99 |
| 37 | 5 | 13" | 270-1407 | 3.99 |
| 38 | 6 | 16" | 270-1410 | 4.19 |
| 38 | 6 | 11" | 270-1411 | 3.99 |
| 39 | 2 | 16 1/2" | 270-1412 | 3.49 |
| 39 | 5 | 22 3/4" | 270-1416 | 4.49 |
| 39 | 9 | 24" | 270-1413 | 4.99 |
| 40 | 5 | 13 1/2" | 270-1414 | 3.49 |
| 40 | 5 | 13 7/[illegible]" | 270-1415 | 3.49 |
| 41 | 6 | 17 3/4" | 270-1409 | 3.49 |
| **New** 42 | 1 | — | 270-1451* | 7.99 |
| **New** 43 | 1 | — | 270-1453** | 7.99 |

*Flexible. For many AT&T cordless phones.
**Flexible. For many Radio Shack cordless phones.



**9V snap connectors.** For replacement or projects. Package of five. **270-325**. . **1.39**



**New**

**Heavy-duty 9V snap connectors.** Built strong to last longer. Package of five. **270-324**. . . **1.89**

Due to size, weight or other restrictions, items on this page may be unavailable for gift packaging, delivery or may require special handling. Please contact store or call 1-800-THE-SHACK for details.

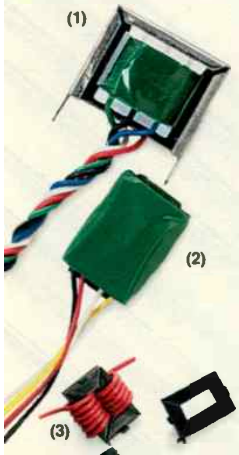
World Radio History




## Six popular power transformers—ideal for building your own power supplies or replacement use

**UL recognized.** Miniature type has tabs and pins for mounting on a printed circuit board. Standard and heavy-duty types are metal-enclosed, and have mounting tabs and wire leads. All primaries are for 120VAC. CT indicates a center-tap in the secondary winding.

| Type | Volts | Current | Body in Inches | Cat. No. | Each |
|---|---|---|---|---|---|
| Miniature | 12.6 | 300 mA | 1¼ × 17/16 × 11/16 | 273-1385 | 3.99 |
| Standard | 12.6 CT | 450 mA | 17/16 × 111/16 × 1½ | 273-1365 | 4.99 |
| Standard | 25.2 CT | 450 mA | 111/16 × 115/16 × 1¾ | 273-1366 | 5.99 |
| Standard | 12.6 CT | 1.2 A | 111/16 × 111/16 × 111/16 | 273-1352 | 7.99 |
| Heavy-Duty | 12.6 CT | 3.0 A | 2 1/16 × 2½ × 2¼ | 273-1511 | 9.99 |
| Heavy-Duty | 25.2 CT | 2.0 A | 2¼ × 2¾ × 2¼ | 273-1512 | 9.99 |

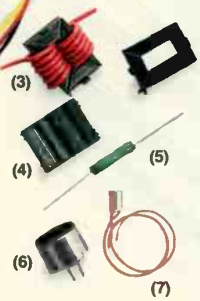



## Audio transformers for projects and repairs

**(1) Audio output transformer.** 1000-ohm center-tapped primary, 8-ohm secondary. Many uses including audio output and low-level impedance matching. **273-1380** ..... **1.99**

**(2) 1:1 isolation transformer.** For phone-line interconnects, coupling. 600-900 ohms.. 300 Hz to 5 kHz response. 100 megohms insulation resistance at 250VDC. **273-1374, 3.99**

## Interference fighters and microphone elements




**(3) Snap-together toroid choke core.** Helps cut RFI (radio frequency interference). Use on phone, computer, AC, audio and coax cables. No need to cut cable—simply wind it through the core. Opening: 7/8 × 7/8". **273-104**..... **Pkg. of 2/7.99**

**(4) Snap-together ferrite choke core.** Effective, easy-to-use RFI fighter. Just snap over coax cable, AC or audio cord. **273-105** .... **4.99**

**(5) 100 µH RF choke.** Rated 2 amps. Wire leads. **273-102** .... **99¢**

**(6) PC-mount electret microphone element.** Omnidirectional. Provides wide 20-15,000 Hz frequency response. Requires 2-10VDC. **270-090**..... **1.99**

**(7) Electret microphone element with leads.** Omnidirectional. 30-15,000 Hz response. Great for projects or upgrading an older mic. Requires 4-10VDC. **270-092** .. **2.99**

## Piezo speakers and transducer elements




**(8) Piezo speaker element.** Only 131/32" diameter by 5/64" thin. High-efficiency device can be driven directly by an IC. **273-091**..... **2.49**

**(9) 1500-3000 Hz piezo element.** 2-wire type requires an external driver circuit. **273-073**..... **1.49**

**(10) Fixed-frequency piezo element.** 3-wire type requires external driver circuit. **273-064**..... **1.79**

**(11) New 8-ohm mini speaker.** 29 mm diameter. Wire leads. **273-092**..... **2.29**

## Magnetic and piezo buzzers add sound to projects




**(12) 12-volt magnetic buzzer.** More pleasing tone than a single-frequency piezo buzzer. About 85dB. 3.4 kHz tone. 6-16VDC. About 10 mA at 12VDC. **273-026** ..... **2.39**

**(13) PC-mount magnetic buzzer.** Produces 2300 Hz tone at up to 85dB. Requires 10 to 14VDC. About 30 mA at 12VDC. 3/8" diameter. PC-mount pins. **273-027, 2.49**

**(14) Electronic buzzers.** 1 1/16" mounting centers. With leads.
**For 1½ to 3VDC. 273-053** ... **2.59**
**For 6VDC. 273-054** ..... **2.59**
**For 12VDC. 273-055** ..... **2.59**

**(15) Two-tone piezo buzzer.** Great for a vehicle backup alert. Super-loud—about 100 dB output at 3.2 kHz. Requires 6 to 16VDC. About 65 mA at 12VDC. **273-070**... **10.99**

**(16) Pulsing or continuous piezo buzzer.** 2900 Hz. About 80 dB at 12VDC. **273-068** ..... **8.49**

**(17) New Piezo buzzer with wire leads.** 2800 Hz output. 4-20VDC. **273-059** ..... **2.99**

**(18) Pulsating piezo buzzer.** 2800 Hz, up to 90 dB. Operates from 3 to 28VDC. **273-066** ..... **4.99**

**(19) PC-mountable piezo buzzer.** Efficient! Draws only 7 mA at 12VDC. 4.2 kHz. 70dB. **273-074** ..... **2.99**

**(20) Piezo buzzer with leads.** 3.6 kHz, up to 85 dB. Operates from 4 to 28VDC. **273-060** ..... **3.29**

**(21) PC-mount piezo buzzer.** 2800 Hz. 78 dB. 3-20VDC. **273-065, 2.99**

**(22) Panel-mount piezo buzzer.** Draws only 7mA at 12VDC. Provides pulsing or continuous 3.5 kHz tone. 95 dB. **273-075**..... **6.99**

# America's Parts Place℠

*Your nearby Radio Shack store stocks thousands of popular electronic parts. Thousands more are available fast, delivered right to your door, through Radio Shack Unlimited℠.*



## Motors to add motion to your projects

**1½ to 3VDC.** Just right for solar power demonstrations, robotics, models and school science projects. 8300 RPM. About 1½" long by 15/16" diameter. **273-223**..... **99¢**

**High-speed 12VDC.** Up to 15,200 RPM at no load. About 2" long (including shaft) by 1" diameter. **273-255** ..... **2.99**

**Super-speed 9 to 18VDC.** Incredible 24,000 RPM at no load. About 2" long. **273-256** ..... **3.49**



## Keep equipment cool with these efficient fans

### 120VAC 4" fan

65 CFM (cubic feet per minute) airflow. 4 11/16 × 4 11/16 × 1½". 22 watts. **273-241**..... **18.99**



### 120VAC 3" fan

32 CFM. Ideal for cooling a PC. 10 watts. 3 5/32 × 3 5/32 × 1½". **273-242**..... **16.99**



### 12VDC 3" fan

Brushless DC motor. 27 CFM. 3 5/32 × 4 11/16 × 1½". **273-243**..... **14.99**

### New 12VDC fan for Pentium® CPU

*Available Sept. 30, 1995*
**273-247**..... **14.99**



### New 12VDC fan for 486 CPU chip

Keep your computer's processor cool. *Available Sept. 30, 1995*
**273-246** ..... **12.99**



### New 12VDC micro fan

6250 RPM. Only 1 9/16" square. **273-240**... **9.99**

Need a lot of one item? Large-quantity discounts are available at participating Radio Shack stores and dealers. Pentium is a registered trademark of Intel Corp.

World Radio History

# Project Enclosures

*Give your electronic project a good home—an enclosure from Radio Shack. Nothing protects better or adds more to the finished look of a project than an attractive enclosure. Radio Shack stocks a big selection in popular shapes and styles. More than 100 more enclosures are available* ***fast****—delivered right to your door—through Radio Shack Unlimited℠. Figs. 8 and 9 on this page are just two examples.*

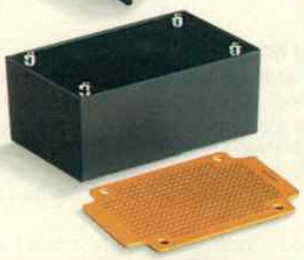

(1)

## New Control console cabinet

**(1)** Molded case has separate, easy-to-drill aluminum top and back panels for mounting a keyboard, switches, lights, meters or connectors. Ideal for test equipment, alarm and security systems, mixers, control systems, medical devices, or computer interfaces. 4¼×10×8". **270-216**.....**16.49**


(2)

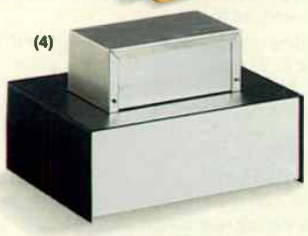
**(2) Metal cabinet.** Attractive, all-metal enclosure features a vented top—perfect for housing a small power supply, amplifier or other heat-producing circuitry. Aluminum front/back/bottom piece is easy to drill for PC board and component mounting. 3×5¼×5⅞" overall. **270-253**.....**6.99**


(3)

**(3) Project box and PC board combo.** Handsome molded enclosure features an easy-to-drill aluminum cover and includes a general-purpose circuit board with standard DIP IC hole spacing. 3³/₁₆×2⅛×1⅜". Complete with assembly hardware and protective feet. **270-283**.....**4.39**

**(4) Metal enclosures**
**Aluminum P-box®.** Shield and give your project a professional appearance at a very modest cost.

| Overall Size | Cat. No. | Each |
|---|---|---|
| 2¾×2⅛×1⅝" | 270-235 | 1.99 |
| 4×2⅛×1⅝" | 270-239 | 2.39 |
| 5¼×3×2⅛" | 270-238 | 2.79 |


(4)

(5)

**(5) Deluxe two-tone steel enclosure.** Our finest! Features low-profile styling, and includes protective rubber feet. 3¹/₁₆×8¼×6⅛". **270-274**.....**12.99**

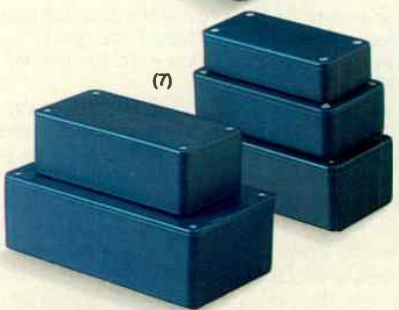
**(6) Molded enclosures**
Easy-to-drill aluminum covers.

| Overall Size | Cat. No. | Each |
|---|---|---|
| 3¼×2⅛×1⅛" | 270-230 | 1.99 |
| 4×2⅛×1⅝" | 270-231 | 2.19 |
| 5¹/₁₆×2⅝×1⅝" | 270-233 | 2.39 |
| 6¼×3¾×2" | 270-627 | 2.79 |
| 7¾×4¾×2⅜" | 270-232 | 3.69 |

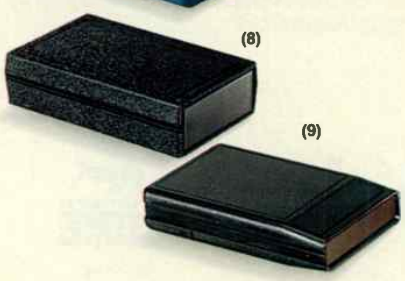

(6)

**(7) Economy molded enclosures**

| Overall Size | Cat. No. | Each |
|---|---|---|
| 4×2×1³/₁₆" | 270-220 | 1.99 |
| 4×2⁷/₁₈×1¹/₁₆" | 270-221 | 2.29 |
| 4¾×2½×1¹/₁₆" | 270-222 | 2.59 |
| 6×3⁹/₁₈×1⅞" | 270-223 | 3.19 |
| 7½×4¼×2¼" | 270-224 | 3.49 |

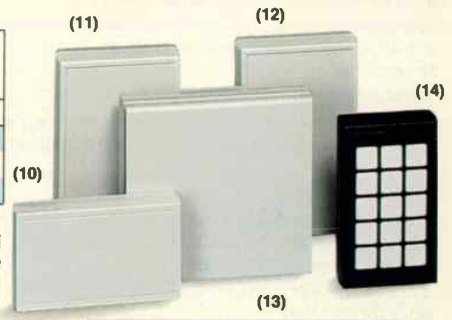

(7)

**(8) Transmitter case.** Durable molded enclosure features a removable end panel and a partitioned compartment to hold a 9-volt battery. A popular choice for use as a radio transmitter or receiver case, to house an infrared transmitter or many other small projects. 1×2⅝×3¾". (2700293 NP)
**RSU# 11453495**.....**3.99**


(8)

(9)

**(9) Infrared transmitter project case.** Perfect for a remote or other small device. Has removable end panel, compartment for a 9V battery, card guides and bossing for printed circuit boards. High-impact ABS construction, scratch-resistant grained finish. ⅞×2⅜×4¼". (2700294 NP)
**RSU# 11453503**.....**4.49**


(10) (11) (12) (13) (14)


(15)

*Great size for a custom remote control.*

## New Small molded enclosures

**(10) IR remote/transmitter project case.** Includes interchangeable red IR filter and black end panel, 9V battery compartment, 9V battery connector cable. 2¾×4⅝×1". **270-211**.....**5.29**

**(11) Hand-held project case.** Universal clam-shell design. Includes mechanical drawing and assembly hardware. 3⅝×5¾×1⅛". **270-212**.....**5.29**

**(12) Project case with 9V battery compartment.** Includes 9V battery connector cable. 3⅝×5¾×1³/₁₆". **270-213**.....**5.39**

**(13) Instrument/modem case.** With two pop-out end panels, molded-in card guides and bosses for PC board. 5¹/₁₆×5¼×1½". **270-214**.....**8.79**

**(14) Case with membrane switch panel.** Has 3×4" keypad (3 cols.×5 rows), overlay, pop-out end panel, plus compartment and connector for 9V battery. 2¾×4⅝×1". **270-215**.....**18.99**

**(15) Ultracompact enclosure.** Just right for a small custom remote control, transmitter or interface. ⁹/₁₆×1⅜×2⅛". This 2-piece enclosure has a single assembly screw. **270-288**.....**1.99**

See our big selection of project hardware items on page 119

World Radio History

# We're working **together** to help you create a **safer community.**

*Concerned about crime? Worried that your neighborhood is not as safe as it used to be? Feel alone against the threat of crime?*

*If you follow some simple steps to help yourself and your family—and work with neighbors in your community—you can reduce crime and feel safer. That's what we mean by "United Against Crime"—you're not alone, not afraid.*

*Radio Shack has formed a special partnership with the National Crime Prevention Council (which manages the National Citizens' Crime Prevention Campaign) and the National Sheriffs' Association in order to provide you with answers for security. By watching out for ourselves and helping out one another, we can reduce violence, drugs and other crimes.*

*Below are some simple answers for personal safety. If everyone takes action and works together, your community can become a safer, more desirable place to live and work.*

### Three simple rules for personal safety

- Stay alert and tuned in to your surroundings, wherever you are. Don't be taken by surprise. Be aware and be prepared.
- Stand tall and walk confidently. Don't show fear.
- Trust your instincts. If you feel uncomfortable in a place or situation, leave right away and get help if necessary.

### On foot

- Choose busy streets and avoid going through vacant lots, alleys, or other deserted areas. At night, walk in well-lighted areas whenever possible.
- Try not to walk or jog alone. Take a friend or neighbor along for company.
- Get to know your neighborhood and neighbors. Find out what stores and restaurants are open late and where the police and fire stations are located.
- Carry your purse close to your body and keep a firm grip on it. Avoid pickpockets by carrying your wallet in an inside coat pocket or front-trouser pocket.

### In your car

- Always lock your car and take the keys, even if you'll only be gone a short while.
- Keep your car in good running condition, and keep the tank at least a quarter full. Lock doors while driving.
- If your car breaks down, raise the hood and set up emergency reflectors or flares, then stay in your locked car. If someone stops to help, don't get out. Ask him or her, through a closed or cracked window, to telephone the police for help.
- If you're coming or going after dark, park in a well-lighted area that will still be well-lighted when you return.
- Be especially alert when using enclosed parking garages. Don't walk into an area if you feel uncomfortable.
- Leave only your ignition key with a parking attendant. Don't leave your house key or other keys on the key ring.
- Never pick up hitchhikers. Never. And don't hitch rides yourself.









### At home and work

- Make sure that all doors to the outside are metal or solid, 1¾" hardwood.
- Make sure all doors to the outside have good, sturdy locks—deadbolt locks with a minimum of 1½" bolt.
- Use the locks you have. Always lock up your home or business when you go out, even if it is "only for a few minutes."
- Make sure your windows, especially at ground level, have good locks—and use them!
- Keep written records of all furniture, jewelry and electronic products. If possible, keep these records in a safe deposit box, fireproof safe or other secure place. Take pictures or a video, and keep purchase information and serial numbers if available. These help law enforcement agencies identify recovered items.
- Make sure that entrances, parking areas, hallways, stairways, laundry rooms, and other common areas in apartment complexes are well lighted. Report burned-out bulbs or other problems to the manager.
- Secure sliding glass doors with commercially available bars or locks, or put a wooden dowel or broomstick in the door track.
- Don't hide keys under door mats or in flower pots. It's much wiser to give an extra key to a trusted neighbor or employee.
- When you're away, ask a trusted neighbor to collect your mail and newspapers. Leave word about when you're leaving, when you'll return, and how you can be reached in an emergency.
- Put automatic timers on at least two lights (and possibly a radio) to help your home or business look and sound alive.
- Trim all bushes or trees that hide doors or windows. Keep ladders, tools, toys, and recreational equipment inside when you're not using them.

***These are only a few steps you can follow to reduce crime and feel safer. For a complete brochure and other literature on crime prevention, stop by your nearby Radio Shack.***

National Sheriffs' Association

**RadioShack.**

National Crime Prevention Council

**Not alone, Not afraid - United Against Crime**

World Radio History




Available Nov. 1995

**New Security breakthrough! 1-piece wireless alarm system for use with 24-hour professional monitoring service**

Perfect for apartment, dorm, outbuilding or small home. Just plug the compact motion detector into an AC outlet, provide a 9V battery for power backup, connect it to your telephone line, and it's ready to protect! When armed and then tripped by an intruder, the system sounds an alarm and notifies the monitoring station. The monitoring company calls your home and, if necessary, sends help immediately—it's that simple! You can arm or disarm the system by using any Touch-Tone phone. Self-standing system can be placed on a table or bookshelf, or you can mount it on a wall. Low-battery indicator. **49-351** ..... **149.99***



Available Nov. 1995

Plug 'n Power compatible!

**New Wireless security system for use with professional 24-hour monitoring service**

Just plug the home security console into an AC outlet and your telephone line, mount the window/door sensors, the motion detector and lamp module—then relax! There are no long wires to run, and no expensive installation fees to pay. When an intruder sets off a sensor, or creeps into the path of the motion detector, the console quickly sounds a loud alarm and flashes a lamp plugged into the remote module. At the same time, the auto-dialer calls the monitoring station which calls your home and, if necessary, sends help immediately. The system includes a console, plus two remote sensors for doors and/or windows, a wireless motion detector, a lamp dimmer module and 2 remote controls. Expandable up to a 16-zone system, so you can add more remote sensors. Because the system is Plug 'n Power compatible, the monitoring station can program the system to turn the lamps on/off to give your home a "lived-in" look. Requires one 9V, 8 "AA" and 6 "AAA" batteries.
**49-2570** ..... **79.99***
**Extra door/window switch. 61-2612**..... **19.99**
**Motion sensor.** Functions the same as 61-2614 on page 146. (49-2589 CMC)
**RSU 11479490** ..... **59.99**
**POWERHORN® Siren.** (49-2587 CMC)
**RSU 10037638** ..... **49.99**
**Keychain remote.** (49-2591 CMC)
**RSU 10037687** ..... **19.99**



Plug 'n Power compatible!

Available Nov. 1995

Chain not included

**New Emergency system for use with 24-hour monitoring service**

When trouble strikes, you'd like to know that an elderly parent or close friend can get help fast! The heart of the system is a miniature remote control—a pendant that hangs around the neck. When the call button is pressed, it sends a signal to the phone dialer console which dials the monitoring station and sounds an alarm. It can even flash lights to alert neighbors. The monitoring station receives the message and notifies the police. Easy-to-install system simply plugs into an AC outlet and telephone jack. Requires 9V battery for power backup. **49-2575, 149.99***
**Non-monitored version of above.** Calls friend or neighbor instead of service. **61-2659** ..... **99.99**
**Extra pendant.** See page 142. (49-2593 CMC)
**RSU 10451375** ..... **19.99**

# Service & Security 24 Hours a Day!

*Not only are these home security systems wireless for easy installation, they're designed to contact a 24-hour central monitoring station, too.*

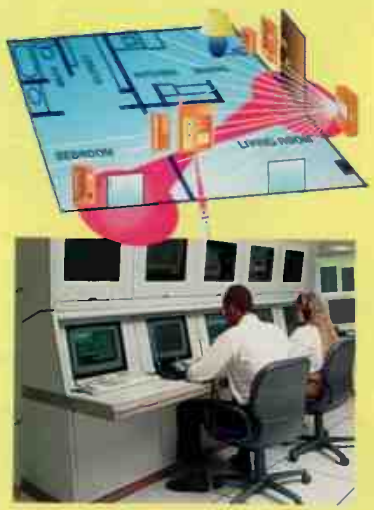
*Radio Shack and Orca® Monitoring Services have developed a low-cost way to provide 24-hour security. When your Radio Shack security system is triggered, the console automatically dials the number of the 24-hour monitoring station. The station calls your home and, if necessary, sends help immediately.*

*So you get total convenience, service and security all in one system. And all for a price much less than you'd expect to pay.**

QUESTION:
*What is a monitored security system?*

Q&A

ANSWER:
*When a monitored alarm system is triggered, it automatically calls a monitoring station. The station calls your home to get your security code. If no one answers or the wrong code is given, the monitoring station dispatches the police, immediately.*



QUESTION:
*Why is a monitored security system better than a "regular" alarm system?*

ANSWER:
*With a monitored system, the monitoring station is available to answer the call 24 hours a day and dispatch the police if necessary. In addition, many insurance companies offer insurance discounts for homes with monitored security systems.*

*Monitoring is provided by Orca® Monitoring Services for an additional monthly fee. Orca® is a registered trademark of Orca Inc.
All our AC-connected controllers, timers and modules meet electrical standards set by Underwriters Laboratories.

World Radio History

# Wireless security systems and accessories.



UL Listed Burglar Alarm



Includes two door/window sensors, motion detector and keychain remote control

## We Help Keep Your Home Safe & Sound

*Radio Shack wireless security systems provide affordable, expandable protection for your home and family without requiring any special wiring.*

*Our Plug 'n Power-compatible system also delivers convenient automation of lights and appliances when you use available remote modules.*

### New 16-zone wireless home security system with remote

Easy to install and operate—no wires to run! Console allows you to add wireless door/window, smoke and motion sensors for up to 16 different zones of operation, including panic zones. When a sensor is tripped, its transmitter tells the console to sound a loud 85-dB siren. Handheld remote lets you arm/disarm system at the touch of a button. System includes console, remote, two door/window transmitters and motion detector. Add burglar alarm transmitters, smoke-alarm siren detector, auto-dialer, motion detector or strobe light. UL listed. Requires one 12V, 3 9V and 8 "C" batteries. **49-2011** ..... **249.99**

***Accessories for the 49-2011 system***



Door/window transmitter. 49-2015 .... 29.99



Wireless motion detector. (49-2025 CMC) RSU 10274561 ..59.99



Smoke-alarm siren detector. (49-2020 CMC) RSU 10274553 ..24.99



Keychain remote control. (49-2030 CMC) RSU 10037133 ..24.99






Plug 'n Power compatible



System includes controller console with auto dialer, two door/window sensors, motion detector, lamp dimmer, keychain remote and handheld remote

### Wireless security system

Protect your home and family with this Plug 'n Power-compatible security system. Just plug the console into AC outlet and a telephone line, mount the door/window sensors and motion detectors, and relax. No wires to run, no installation fees. If an intruder sets off door or window sensor or motion detector, an alarm sounds and flashes lamps plugged into remote modules. Plus, an auto dialer calls up to four phone numbers of family or friends or you at work and plays your prerecorded message. The person called can then listen to sounds inside your house. Expandable—add sensors to cover more doors, windows and rooms. Requires four 9V and four "AAA" batteries. UL listed AC. (TSP) **61-2610** ..... **199.99**



Simple to set up—no assembly needed. Works right out of the box.



When sensors are tripped, alarm sounds and a light plugged into a remote lamp module flashes on and off to attract attention.



Handheld remote makes it easy to control your security system, as well as lights and appliances in and around your home.

*The security console monitors your home by using radio signals to communicate with remote sensors. Because there are no wires to run, both systems on this page are ideal for apartments, condos and mobile homes.*

***Accessories for the 49-2570 & 61-2610 systems***



Bulbs not included

**Automatic outdoor floodlight and Plug 'n Power command center.** Motion detector. Operates independently of alarm system. (61-2604 CMC) RSU 10037604 ..... **49.99**



**Motion detector.** Wireless infrared motion detector sets off security system when it detects body heat and motion. Functions the same as 49-2589 on page 145. (61-2614 CMC) RSU 10037646 ..... **59.99**



**Door/window sensor.** When the sensor is tripped, a signal is sent back to the controller. Requires 9V battery. **61-2612** ..... **19.99**



**Chime/beeper.** Pleasant chime announces visitors and also alerts you to intruders. Ideal for use with motion-sensing floodlights. (61-2656 CMC) RSU 10037695 ..... **24.99**



**Keychain remote.** Arm and disarm system, turn lights on/off as you leave or enter your home. Also a panic button. (49-2591 CMC) RSU 10037687 ..... **19.99**



**POWERHORN® Siren**
Add a loud 110-dB siren to your security system. There is no extra wiring involved—plugs into AC outlet. (49-2587 CMC) RSU 10037638 ... **49.99**

**ULTRALIFE® 9V battery**
9V lithium battery for extra long life in door/window sensors and other security products that require a truly reliable 9V battery. **23-665** ..... **6.99**




Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.

World Radio History




### Passive infrared motion alarm

Place on bookshelf or desk and plug into AC. Detects motion and body heat to protect any room in your house, apartment or office. Blankets coverage area in an "invisible" protective field. When an intruder is detected, sensor triggers an 85-dB alarm. Entry/exit delay. Auto-shutoff and auto-reset. UL listed AC. Backup requires 8 "C" batteries. **49-320** ..... **99.99**

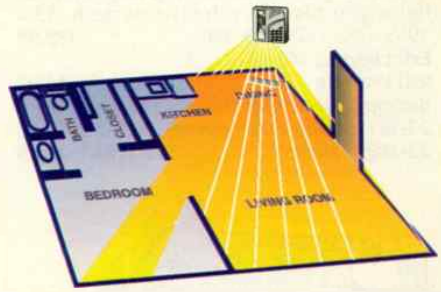


### New Motion detector alarm

Infrared motion detector senses motion in its zone of coverage and activates a loud alarm when movement is detected. User-programmable security code lets you set your own arm/disarm code and change it as often as you like. Sensitivity control lets you adjust the system to reduce or expand the sensor's range. Entry/exit delay gives you time to arm or disarm the system before the alarm sounds. Battery operated so it works even if electrical power is off. Requires 8 "AA" batteries.
**49-330** ..... **69.99**

# Your Home Is Covered

*A motion detector alarm is a great home or office security device. It will alert you when someone enters the coverage area.*




*Our motion detectors cover any room in your home.*

## Personal safety



**New Personal alarm with strobe.** Protection you can carry anywhere. When the wrist strap is pulled out, a loud 110-dB alarm sounds and a bright strobe light flashes. Strobe is visible from front and back and can be flashed by sliding a switch. Requires 3 "AA" batteries.
**49-220** ..... **24.99**



**Personal alarm/motion detector.** Increase your personal security. Blasts loud alarm to startle attackers and call for help. Place near window or door—motion detector warns of intruders. Great for travel. Requires 9V and 2 "AA" batteries. **49-415** .. **14.99**



**Personal alarm.** Just pull the key from its slot and the loud 110-dB siren sounds to startle and deter thieves. Great for joggers, walkers, night workers or people carrying valuables. Requires 2 "N" batteries. **49-416** ..... **9.99**



**Personal air horn.** Pocket-size air horn provides an extra measure of safety. Just push the button for a loud 120-dB horn to deter attackers and draw attention. Also good for recreational activities. No batteries needed.
**49-412** ..... **9.99**

## Home safety



**Carbon-monoxide detector.** 85-dB alarm alerts you when carbon monoxide reaches a dangerous level in your home. Very reliable—sensor lasts approximately 10 years. Includes AC adapter. **49-463** .... **59.99**



**Smoke alarm.** No batteries—just screw into lamp socket and it's ready. Detects smoke and combustion particles. Battery recharges with normal operation of lamp. 101-dB horn.
**49-468** ..... **29.99**



**"Quiet reset" smoke detector.** Reliable protection. Lets you silence detector when non-emergency smoke causes alarm. **49-466** ..... **11.99**



*Bulbs not included*

**Motion-sensing indoor/outdoor twin floodlight.** Lights come on automatically when someone approaches. Deactivates during daytime. Manual override. 300 watts. **61-2606**..... **19.99**



**Wireless door chime/pager.** Use as doorbell or remote pager. Just push a button to signal receiver. Requires 9V and 3 "AA" batteries.
**63-871** ..... **19.99**



**New Wireless door chime.** Two different chime sounds—choose one for front door and one for rear door. Requires 2 "AAA" and 2 "AA" batteries.
**63-872**..... **27.99**
**Extra receiver.** (CMC 63-873) **RSU 11267671** ..... **17.99**

All AC-connected products meet UL electrical standards.

## Electrical timers



**New 24-hour digital timer.** Set any of the four on or four off times to occur any time during a 24-hour period. LCD display. Manual override. Available Sept. 30, 1995.
**61-1060**..... **24.99**



**Multisetting appliance timer.** Program lights or appliances to turn on/off up to 24 times a day. Provides night and day protection for your home.
**63-864** ..... **10.99**



**Air conditioner/appliance timer.** Set up to two daily on and off times for an air conditioner, heater, other appliance or lamp. Auto/manual operation.
**63-866** ..... **15.99**



**New Clock-face timer.** Two on and two off settings per day. Easy-to-set time-of-day clock dial. Automatically controls lamps and appliances. Manual override. Available Sept. 30, 1995.
**61-1070**..... **11.99**



**Mini plug-in lamp/appliance timer.** Makes your home look lived-in. Program lights or appliances to turn on/off up to 2 times during a 24 hour period.
**63-862** ..... **7.99**



**New 24-hour outdoor timer.** Provide all-weather control of outdoor lighting, displays, signs, more. Set up to 2 on/off settings per day. Available Sept. 30, 1995.
**61-1075**..... **22.99**

World Radio History

# Home Protection

*Feel safer at home or while away with an affordable security system you can install yourself to protect your home, family and valuables.*

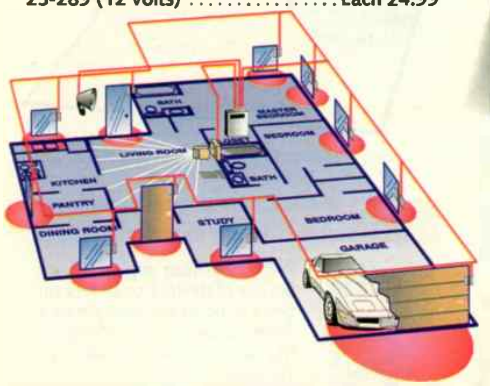
## 8-zone burglar and fire alarm control center

Loaded with professional features! The seven independent burglar alarm zones are totally programmable. Each may be set for entry/exit delay or instant operation. A fire zone alerts you when a smoke or heat detector senses trouble. Panic zone lets you manually sound the alarm. Digital remote keypad lets you control all system functions from a convenient location. You can add a tamper switch to guard valuables, up to three more remote keypads, a phone auto-dialer to call for help, and virtually any security sensor or siren. Owner's manual helps you plan an effective system. 13 × 19½ × 3¾". (TSP) **49-485** ..... **199.99**

**Extra keypad.** (49-484 CMC)
**RSU10451318** ..... **44.99**

**Backup battery. Your choice:**
**23-181 (6 volts, two required)** ..... **Each 14.99**
**23-289 (12 volts)** ..... **Each 24.99**












### How-to security guides

**Installing Home and Auto Security Systems.** How-to book on selecting and installing effective anti-theft devices for your car or home. 119 pages. **62-1086, 6.99**

**Security at Home and On the Go.** Intro video to home, auto, personal security. **62-2432, 6.99**

*Radio Shack wired-type security equipment meets or exceeds UL standards assuring you of peak performance.*

## New 2-zone burglar alarm control center

Ideal for for a mid-size home for 24-hour protection. Two alarm zones to chase off intruders—one instant and one with a variable entry/exit delay. Includes digital remote keypad to control system and allows you to add up to three more keypads and a remote dialer. Panic/tamper circuit is always armed even when rest of the system is disarmed. Includes planning/installation manual. 10¼ × 8¼ × 3⅞". (TSP) **49-451** ..... **129.99**

**Extra keypad. 49-452** ..... **22.99**

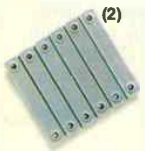
**Backup battery. Your choice:**
**23-181 (6 volts, two required)** ..... **Each 14.99**
**23-289 (12 volts)** ..... **Each 24.99**

# Security accessories

## Contact switches




**(1) Magnetic switch.** Wired switches used for standard door and window applications. Easy to install. Normally closed. UL listed. **49-532** ..... **4.99**

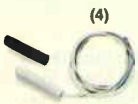



**Magnetic switch.** Same as above, but has normally-open contacts. **49-533** ..... **5.99**

**(2) Spacers.** Align/position switches from a metal frame, door, window. **49-539** ..... **Pkg. of 6/1.49**




**(3) Mini magnetic switch.** Designed for smaller windows. Self-adhesive backing for easy mounting. Normally closed. UL listed. **49-497** ..... **3.99**




**(4) Concealed magnetic switch.** Mounts inside door or window frame (drilling required). Ideal for front/rear doors. Normally closed. Weather resistant. UL Listed. **49-496** ..... **3.99**




**(5) Press-fit switch.** Installs inside door frame or wooden window. Ideal for storm doors and utility access areas. For normally-closed loops. UL listed. **49-505** ..... **5.99**




**(6) Wide-gap switch.** Ideal for sliding glass doors. Normally closed. UL listed. **49-499** .... **6.49**

## Foil, contracts and breakage sensor




**(7) Burglar alarm window foil.** Self-adhesive metal-foil conductive tape attaches to glass to create a normally-closed circuit. If tape is cut or torn, it will cause the alarm to be set off. 120-foot × ⅜" roll. **49-502** ..... **7.49**




**(8) Self-adhesive foil connectors.** Double blocks mount directly on glass. Each block has a lip on its side to protect the foil from slipping out of place to reduce ground shorts. Durable, clear polycarbonate base. **49-504** .... **3 Pair/2.59**




**(9) Garage door contact switch.** Help protect your valuable tools and lawn equipment. Heavy-duty contacts. Normally closed. (49-570 CMC) **RSU10037422** ..... **21.99**




**(10) Sliding window/door contact.** For use with foil or glass breakage detector. Allows normal use of window or door. Mounts half on door or window, the other half on its frame. **49-518** ..... **4.99**




**(11) Glass breakage detector.** Protects up to 32 square feet of glass. Works with normally-open or normally-closed circuits. Easy hookup. UL listed. **49-516** .. **8.29**

## Switches and vibration detector



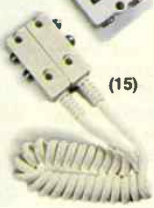

**(12) Panic switch.** Feel more secure. Push button to instantly trigger your alarm system in an emergency—perfect for bedrooms. Normally-open (unpressed), press-to-close circuit. **49-517** ..... **1.49**




**(13) Contact switch.** For window or door frame. Normally-closed (pressed) switch opens when door or window opens. With terminals, hardware. UL listed. **49-513** .. **1.49**




**(14) Tamper switch.** Use with alarm panel, siren or bell box to protect a valuable such as a painting, TV, VCR or stereo. Normally open (pressed). UL listed. **49-528** ..... **1.99**




**(15) Jumper cord.** Retractable cord gives you flexibility to add sensors where you need them. For use in conjunction with foil tape or a glass-breakage detector—ideal for doors with decorative glass panels. **49-548** ..... **4.49**




**(16) Vibration detector.** Detects impact vibrations. Adjustable sensitivity. For normally closed loops; circuit opens when activated. UL listed. **49-521** ..... **3.99**

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited™. Shipping charges may apply.
Radio Shack wired-type security equipment meets or exceeds standards set by Underwriters Laboratories.

World Radio History

# Security alarm accessories.



### Infrared motion sensor detects body heat

Dual-element design extends coverage, virtually eliminates false alarms. Has 12 upper/lower detection zones. When intruder crosses a zone, sensor sets off alarm. Shielded to prevent problems from radio interference. Adjustable pulse counter. Mounts on wall or ceiling. Requires 12VDC at 20mA. (TSP) **49-550, 59.99**



### Infrared photorelay sensor system

One-piece receiver/transmitter projects an invisible beam of infrared light to the reflector which you can place up to 30 feet away—across a doorway, garage door or other entryway. When beam is broken, the sensor instantly alerts your alarm system. With mounting hardware. Requires 12VDC at 60mA. UL listed. **49-551** ..... **39.99**

## *We'll Help You Keep Your Home Secure*

*From sirens to yard signs, let Radio Shack show how you can have "peace-of-mind" security for you and your family*



### Infrared sensor with miniaturized design

Four lenses let you customize it for the area you want protected, depending on sensitivity needed (less susceptible to tripping by pets!). Sets off alarm if tampered with. Wall mount Requires 12VDC at 25mA. **49-208**.... **39.99**



### Smoke sensor triggers security alarm system

Triggers your security system and sounds a loud built-in alarm when it detects smoke or combustion particles in the air. Must be powered by control center, cannot be used alone. For wall/ceiling. Includes mounting hardware. Requires 12VDC at 20mA. **49-481**..... **39.99**



### Dialer calls up to three numbers

Connect to your alarm system to auto-dial up to three phone numbers and play your recorded message when alarm system is triggered. Set it to call a friend, your work number or neighbor so authorities can be notified. Switchable monitor to disable speaker so intruders can't hear it. Messages are stored in solid-state circuitry—no tape mechanism. Uses alarm system power for backup. UL listed. (TSP) **49-434**..... **89.99**

## Attention-getting devices



### High-power two-sound burglar siren

Choose from a loud, pulsating rise and fall tone or a steady tone—two-circuit systems can use both. Weather resistant for outdoor or indoor use. Requires 6-12VDC at 1 amp. **49-525** ..... **39.99**



### Two-sound electronic siren

For indoors or out. Great for home systems or car alarms. Simple to install. Capable of creating two distinctive sounds—steady and rise-fall. Weather resistant. 12VDC, 550mA. **49-488** ..... **22.99**



### Two-sound piezo siren

Extra-loud sound with little power drain—ideal for systems using battery backup. Rise-fall or constant tone. Sealed weather-resistant housing. 12VDC, piezo circuit uses less than ⅓ amp. **49-487**..... **22.99**



### New Siren and strobe

Brilliant dual strobe light and 115-dB siren connects to system to alert police and neighbors. Weather-resistant housing. **49-478**..... **21.99**



### Electonic buzzer

$1^{1}/_{16}$" mounting center. $1^{1}/_{2}$-3 volts DC. **273-055**..... **2.59**



### Indoor two-sound piezo siren

High-efficiency piezo circuit designed for most residential alarm systems. Rise-fall "yelp" and steady tone. Mounts on wall or ceiling. 12VDC, 0.36 amp. **49-490** ..... **14.99**



### Universal Plug 'n Power® interface

Allows alarm system to flash home lighting connected to Plug 'n Power equipment to startle intruders and attract attention. See pages 152-154. (61-2687 CMC) **RSU10037745** ..... **19.99**



### Strobe light

Super-bright flashing light helps emergency workers locate your home quickly. Requires 12VDC at 0.2 amp. **49-527** ..... **24.99**



### Piezo buzzer

Pulsating or continuous. 4 to 28VDC, 0.2 amp. **273-068** ..... **8.49**

## Wire it up, turn it on



### Covered on/off key switch

Arm or disarm your alarm system. Locking key switch. Protective die-cast, spring-loaded cover. Ideal for use in car or home alarm systems. Includes two keys. **49-515**.... **4.99**



### New Digital keypad

Programmable 4-digit code to arm/disarm system. Status lights, panic circuit, tamper switch. Connects to alarm by serial bus. For use with 49-451/485. UL listed. **49-452**..... **22.99**



### New Digital keypad for alarm systems

Eliminates need to carry key—programmable code entry/exit. Built-in panic circuit, status lights and tamper switch. Replaces on/off key switches. UL listed. **49-537, 22.99**



### Warning decals

Deter potential intruders by warning that your property is protected by a security alarm system. **49-507** ..... **Pkg. of 4/1.29**



### Remote switch mounting plate

Key-switch plate with red and green system-status indicator lights. Includes tamper switch and mounting hardware. 6/12VDC. **49-524** ..... **7.99**



### Round lock key switch

Momentary contact. Two keys. **49-523** ..... **9.99**

### On/off type

Locks in off or on position. **49-511**..... **9.99**



### Alarm wire

Stranded 2-conductor wire, 22-gauge. Approved for residential in-wall use. UL Type CL2. Color coded.

**300 feet. 278-863** ..... **27.99**

**100 feet. 278-862**..... **9.99**




### New Security alarm yard sign

*WARNING... this may be the best security device you could purchase next to your home alarm system!* Place in a prominent place to let intruders know your home is protected, whether or not it really is—an intruder won't know. Highly visible sign with durable aluminum stake. **49-501**.... **5.99**

Mobile use of sirens is prohibited in California and certain other states.
Items with an RSU number are available fast, delivered direct to your door from Radio Shack Unlimited℠.

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# Security devices for home and business.



Camera has 6 built-in LEDs that help illuminate dark areas—without visible light

### 4-channel audio/video observation system

A complete audio/video observation system that adds safety, security and convenience to your home or business. At home, see and hear baby's room or any other room from somewhere else in your home. Businesses can monitor storerooms, warehouses, entry/exitways or reception area from one central location. System includes one camera and a 10" 800-line-resolution black-and-white monitor. CCD camera provides a superior picture even in low light—perfect for areas under after-hours lighting conditions. Built-in speaker and microphone on both camera and monitor let you have two-way conversations with the person at the camera. As your needs expand, you can add up to three more cameras to monitor a total of four different areas. Monitor sequentially scans each camera from 1 to 4 or you can custom-program by deleting cameras from the viewing sequence. You can also select individual cameras at the touch of a button on the monitor control panel. Programmable pause feature lets you set the pause time at each camera from 1 to 60 seconds. Monitor has audio/video in/out jacks for easy connection to your VCR for sound and video record and playback on the monitor or a TV. UL listed AC. For indoor use only. (TSP) **49-2501** ..... **399.99**

**Extra CCD camera.** With built-in speaker, condenser microphone and 60-foot cable. (TSP) **49-2502** ..... **219.99**

**100-foot cable.** (49-2525 CMC) **RSU10451284** ..... **44.99**

**300-foot cable.** (49-2526 CMC) **RSU10451292** ..... **129.99**

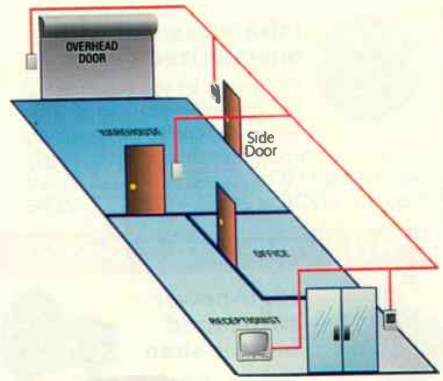
**Cable adapter.** (49-2523 CMC) **RSU10451268** ..... **9.99**



System scans up to 4 cameras so you can see more of what's going on around your home/business

## *Affordable Security and Convenience for Home/Business*

*Complete and ready to use! Two-screw mounting lets you easily install the small, high-resolution camera on a wall, ceiling or above a door.*







Connects right to your TV

See and hear the monitored area



### New Security video camera with audio—great for home or business

Adds remote monitoring to your regular TV. See and hear the baby's room or monitor an entry area from another part of the house. Monitor restricted areas such as a warehouse or lobby. 250,000-pixel CCD black-and-white camera delivers 350 lines of resolution for a sharp picture. Audio/video-out jacks connect to a monitor and "F" connector for easy hookup to channel 3 or 4 on almost any TV or VCR. Lightweight and compact design—can be placed in an unobtrusive area. Sturdy metal mounting bracket with easy-turn knobs for adjusting the viewing angle. UL listed AC adapter. For indoor use only. (TSP) **49-2550** ..... **219.99**




With counter

### Invisible-beam entry alert

When the beam is broken, the sensor triggers the built-in chime and lights the 3-digit LED counter which displays the number of times the beam has been broken. 50-foot-wide coverage. Expandable—add a security dialer or external alarm. Reflector and UL listed AC adapter. 7½ × 3 × 3". Backup requires 12V lantern battery. **49-316** ..... **89.99**

Like above, but without counter and has buzzer instead of chime. **49-311** ..... **69.99**



### Electronic door alarm

24-hour "electronic sentry." Mounts on window or door. Loud alarm—105 dB. Key-operated on/off switch. Choose instant alarm or exit/entry delay so you can leave or enter the house without activating the alarm. 5⅛ × 2¼ × 1⅛". Requires 9V alkaline battery. **49-421** ..... **14.99**



### Door alarm and entry chime

Alerts you with chime or alarm when door is opened. Three-digit security code arms, disarms the system. Change codes as often as you like—up to 720 possible combinations. Battery operated. 6⅝ × 2¾ × 1¼". Requires 9V alkaline battery.

**49-422** ..... **25.99**



### Motion detector alarm

Fits in purse or briefcase—ideal security system for travelers. When sensor detects motion it sounds a 90-dB alarm to startle and deter intruders. Switch to chime mode to announce visitors. Up to 30-foot range, 60° detection angle. Requires 9V battery. **49-425** ..... **24.99**




### Body scanner/ metal detector

For security use in schools, courtrooms, nightclubs, etc. Can detect concealed weapons or smaller items like coins and hat pins. Responds to metal with an audio alert and indicator light. 3 × 16 × 1⅜". Requires 9V alkaline or rechargeable battery. Earphone jack. (TSP) **63-3010** ..... **99.99**

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.

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### Cordless monitor for baby's room gives peace of mind

Now you can keep an "ear" on a child's or dependent person's room from anywhere in or around your house and yard. This one-way intercom doubles as a security monitor—great for the garage, workshop, laundry room or storage area. Both the transmitter and receiver feature omnidirectional antennas for clearest possible sound, plus two selectable frequencies to help prevent signal interference. Installation is easy—just plug the transmitter into any AC outlet. It includes an AC adapter and features a power-on indicator light. The battery-operated receiver clips to your belt or pocket for easy portability, and features an indicator light to signal when the battery is low. You can also power it with its included AC adapter for stationary use or to save on batteries. Both adapters UL listed AC. Receiver requires 9V battery. Transmitter, $4^{3}/_{4} \times 2^{7}/_{8} \times 1^{7}/_{16}$". Receiver, $2^{1}/_{2} \times 4^{9}/_{16} \times 1^{5}/_{8}$". (TSP) **43-487** ..... **Set 39.99**

# Home & Office Step Savers

### *Wireless Plug 'n Talk® systems*

*Couldn't be simpler to set up and use—just plug into AC outlets and press a button to talk. You can even combine several of the same sets to cover every room in your home or office.*

### *Battery-powered wired systems*

*Like our Plug 'n Talk systems, our wired intercoms are easy to install. Just wall-mount stations or place them on a desk, then plug the wire into the stations.*



### 2-station wireless intercom

This attractive system is easy to set up and use—just plug into AC outlets. Room monitor function lets you keep an ear on an unattended room. Call button pages the other station. With power and talk/lock indicator lights. $4^{4}/_{16} \times 6^{5}/_{8} \times 1^{7}/_{8}$". (TSP) **43-486**... **Pair 39.99**



### Hands-free wireless intercom

Keep in touch at work or at home while keeping your hands free. Just plug the stations into AC outlets and you're ready. Call button signals user at other end to respond. Locks for monitoring or one-way communications. $4^{1}/_{8} \times 6^{1}/_{4} \times 1^{3}/_{4}$". (TSP) **43-227** ... **Pair 79.99**



### Our best! Stylish 3-channel, 3-station system

Simply plug each station into an AC outlet and press the talk-bar to speak. Three-channel operation lets you talk with one station or all at once for 3-way conferences. Talk-bars lock for hands-free use or room monitoring. FM operation reduces interference and noise. Squelch and volume controls. You can easily move units from room to room or add more sets to expand the system. $4 \times 5^{7}/_{8} \times 1^{5}/_{8}$". UL listed AC. (TSP) **43-219** ..... **Set of 3/99.99**



### 2-station wireless intercom

Call button alerts the other station. Lockable talk-bar allows continuous monitoring. FM operation. $4 \times 5^{7}/_{8} \times 1^{7}/_{8}$". (TSP) **43-204** ..... **Pair 39.99**



### Low-noise FM wireless system

Two-station system has compander noise reduction for quiet operation. Lighted talk-bar doubles as nightlight. Call button, lock bar. $4^{3}/_{4} \times 6^{3}/_{4} \times 1^{3}/_{4}$". (TSP) **43-225** ... **Pair 79.99**



### 2-station phone-line intercom

Simply plug into modular telephone jacks for communications between two rooms—uses the existing phone line for clarity surpassing FM systems without interfering with regular telephone use. Hold button places telephone calls on hold—when an extension is picked up, hold is automatically released. Features call button to alert other station, plus locking talk-bar for continuous room monitoring. For desktop placement or wall mounting. Easily expandable by adding more stations. $16^{1}/_{8} \times 4^{3}/_{8} \times 1^{3}/_{4}$". (TSP) **43-483** .. **Pair 49.99**



### 2-station wired intercom

Battery powered for noise-free conversation in home, office, warehouse, camper or boat. Lets you send a signal to the other station, even when that station is turned off. Talk between stations or use it to monitor another part of the house, such as the baby's room. Installation is quick and simple. Master unit has volume control. Set on desk or mount on wall. Comes with 66-foot cable. Each unit is $4^{1}/_{8} \times 3^{3}/_{8} \times 1^{1}/_{2}$". Requires 9V battery. (TSP) **43-222**..... **Pair 14.99**

All AC-powered products on this page are UL listed.

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# Full Control at Your Finger Tips

*The easy way to start your day! With just the touch of a few buttons, you can quickly flip on the kitchen lights, start a fresh pot of coffee, adjust the thermostat and switch on the TV or stereo for the morning news . . . all from the comfort of your bed or any other place in or around your home. And when you leave for work, one button turns it all off.*

*It couldn't be easier to install! Just plug it in and it's ready to work. Plug 'n Power controllers use your home's existing electrical wiring to send signals to remote modules you've connected to lights and appliances. You can automate your entire home without running a single wire!*

## Your home is ready for the future . . . today!


Control lights and appliances around the house by remote.


Control garage doors, gates, interior/exterior lights from your car.


Have exterior lights automatically come on at sunset.


Operate devices from any tone-dialing phone in the world.


Control sprinkler systems from inside the house.


Start the coffee brewing before you get out of bed.


Motion detector turns on exterior and interior lights.


Add a dimmer light switch without rewiring.


Turn kids' televisions off at designated time each night.

### Plug 'n Power remote command controller and timer system

Now you can control everything in your home with just a push of some buttons. The controller/timer lets you control up to eight sets of remote control modules to turn on lights, air conditioners, TVs, stereos, coffee makers or other appliances—practically any appliance that works on AC power. The timer lets you program on/off times for up to 4 sets of lights or other modules to give your home a lived-in look when you're away. Requires 9V backup battery. **61-2670** . . . . . **29.99**

Prices apply at participating Radio Shack stores and dealers—ask about our ordering service (items subject to availability)

World Radio History

# Plug 'n Power controllers and modules.




### Convenient, easy-to-use mini controller

Now you can instantly control up to eight sets of remote Plug 'n Power modules to turn lights on or off, or adjust brightness level right from your bedside table or living room chair—with just the touch of a button. UL Listed. **61-2677** ..... **12.99**

**"Sundowner" controller.** Same as above, with built-in photocell for dusk to dawn control of lights. (61-2616 CMC)
**RSU 10037661** ..... **22.99**



### 16-button controller for whole house remote operation

Deluxe command center controls up to 16 sets of remote modules so you can turn lights on/off or dim. Start the coffee before getting out of bed. Has "all lights on" button to flood your house with light all at once. (61-2672 CMC) **RSU 10037737** ..... **24.99**




### Keychain remote system

Never walk into a dark home again. This small, 2-channel pocket remote lets you turn lights in your home on and off from your driveway or porch. Sends a wireless signal to any lamp plugged into the included remote transceiver module. Requires 2 "AAA" batteries. UL Listed. **61-2663** ..... **24.99**

## We Help You Put It All Together

*Let us show you how you can mix and match controllers and modules for a custom home remote control system.*



### Controller/light dimmer

Turn on/off and dim/brighten lights with a touch of a button. Plug-in receiver has one 15A outlet for a lamp or appliance. Add plug-in modules to control up to 16 devices. Remote requires 4 "AAA" batteries. UL Listed.
**61-2676** ..... **39.99**

**Extra handheld remote.** (61-2560 CMC)
**RSU 10508042** ..... **19.99**

## Multi-purpose remote modules



**Heavy-duty module.** Easily control fans, appliances or hard-to-reach motor-driven devices that require a 3-prong outlet. Responds to Plug 'n Power controller or use a remote timer. Ideal for elderly or disabled. Manual override feature. Rated 15 amps for coffee pots, 1/3 HP for motors and 500 watts for lamps. UL Listed.
**61-2684** ..... **13.99**



**Appliance module.** Works with any of our command centers to turn on/off your TV, stereo, lights, fan or other small appliances by remote control. Manual override feature. For two-pronged appliances and lamps only. Rated 15 amps, 1/3 HP for motors, 500 watts for lamps. UL Listed. **61-2681** .... **12.99**



**Lamp dimer module.** Dim the lights with a touch of a button. Just plug the module into an AC outlet and plug in lamp to turn on, dim or brighten—ideal for hard-to-reach lamps. Responds to any Plug 'n Power controller or timer. For incandescent lamps only. UL Listed.
**61-2682** ..... **12.99**



**Remote wall switch.** Installs in minutes with simple 2-wire hookup. Replaces your regular light switch to accept commands from any Plug 'n Power controller or timer. Turn on/off, dim, or brighten any overhead incandescent light.
**61-2683** ..... **12.99**



**3-way wall switches.** Set includes two switches that replace two existing wall switches controlling the same light. Fits in standard light boxes. Turn on/off, dim/brighten incandescent lights.
**61-2686** ..... **15.99**

**Companion switch.** Use with above switch for 4-way operation. (61-2607 CMC) **RSU 10037612** .. **7.99**



**Remote wall outlet.** No better way to turn on/off hard-to-reach lamps and appliances! Simple to install—replaces an existing wall outlet. One socket responds to commands from a Plug 'n Power controller or timer, the second is a standard AC socket. 15-amp rating.
**61-2685** ..... **15.99**



**Wireless wall switch.** Add a light switch without rewiring! Utilizes the Plug 'n Power transceiver module 61-2676 or 61-2663 to control other remote modules. Also works with Plug 'n Power security systems. Requires 4 "AAA" batteries.
**61-2664** ..... **14.99**

**2-button switch.** (61-2562 CMC)
**RSU 10037588** ..... **12.99**

**3-button switch with dimmer.**
(61-2563 CMC) **RSU 10037596** ..... **15.99**



*Remote not included*

**Infrared mini for control from your chair.** Lets you use our full-function universal remote (15-1905, sold separately) to control your lights and appliances as well as your TV, VCR and stereo. Commands up to eight remote modules. Special order. (61-2658 CMC) **RSU 10037703** .... **39.99**

**Universal A/V remote.** (Page 105)
**15-1905** ..... **39.99**



Bulb not included

**Lamp-socket dimmer module.** No wiring or tools needed—dimmer module screws into standard light socket, light bulb screws into dimmer module. Perfect for hard-to-reach lights in basement, laundry room, bedroom—can even be used outdoors. Dim/brighten or turn on/off a lamp or overhead light from anywhere in house. For incandescent lamps rated 150 watts or less.
**61-2566** ..... **15.99**

Items with an RSU, CMC or NP number are available fast, delivered direct to your door from Radio Shack Unlimited℠. Shipping charges may apply.
All our AC-connected controllers, timers and modules meet electrical standards set by Underwriters Laboratories.

World Radio History

# Special-order Plug 'n Power® accessories.



## Automate your entire home with your personal computer

This computer interface with Windows®-compatible Automatic House software lets you automate your entire home! Control heating and cooling or schedule lights, appliances and TVs to turn on/off while you're away. You can even program it for your daily routine, so that when you wake, the lights come on and coffee is made. The interface connects to your PC to program up to 128 timer events and control up to 256 different Plug 'n Power remote modules. Then just detach the interface—no tying up your computer. Includes hook-up cable. Requires Windows, mouse, Plug 'n Power remote modules and 9V battery. (61-2617 CMC) **RSU 10037679** ..... **69.99**

# Automate for Security, Convenience

*Enjoy the security and convenience of a wireless remote-control system for your home. With Plug 'n Power, you can control lights, TVs, thermostats, a security system, automatic drapes and much more. Have a special application? See us for the solution!*



## Control your home over the phone

Call home from any Touch-Tone phone to control up to 10 lights or appliances with this telephone responder. Answers, then retransmits the signals you send to your Plug 'n Power modules. At home, use it as a manual Plug 'n Power control center. You can even set it to flash selected lights when the phone rings. Plugs into modular phone jack. (61-2692 CMC) **RSU 10037778** ..... **79.99**




## Set your thermostat by remote control

Great for reducing heating and cooling costs. Just connect to appliance module and timer (sold separately, page 153) and program the controller to adjust the temperature. Conserve energy at night, return to normal in the morning. Great for weekend cabins. No rewiring necessary. Works with any kind of thermostat. (61-2689 CMC) **RSU 10037760** ..... **19.99**




## Remote-control sounder/activator

On/off relay for sprinklers, lighting, automatic draperies or other low-voltage items. Use built-in beeper as an intruder alert by linking it with motion-sensing outdoor floodlights (61-2604, listed below right). Works with all Plug 'n Power controllers and timers. Continuous or momentary. Rated 30VRMS at 100VA. (61-2688 CMC) **RSU 10037752** ..... **18.99**




## Universal interface for Plug 'n Power modules

This versatile interface works with an alarm system, a contact switch or other sensor to turn on or flash lights controlled by Plug 'n Power modules—helps deter potential intruders. Works with any contact switch or low-voltage AC, DC or audio output. Just connect wires to control device and plug directly into AC power. (61-2687 CMC) **RSU 10037745** ..... **19.99**



(1)

Faceplates not included



(2)

## Special-purpose Plug 'n Power switches & modules

Wired controllers and switches are ideal for areas where it's inconvenient to install conventional Plug 'n Power equipment. Many of the items below can be wired into most standard electrical boxes to replace existing wall switches.

**(1) Wall-mount command center.** Flush-mounts in standard electrical wall box. Turns on/off or dims up to three Plug 'n Power remote light modules or groups. (61-6319 CMC) **RSU 10037828** ..... **89.99**

**(2) Wall switch/dimmer controller.** For incandescent lights only. Controls a single module or a group of modules. (61-6381 CMC) **RSU 10037851** ..... **59.99**

**Fluorescent light controller switch.** Controls lights and appliances that should not be dimmed. (61-6291 CMC) **RSU 10037802** ..... **64.99**

**Signal bridge coupling.** Ensures that your Plug 'n Power signals are strong throughout your home. 120/240V. (61-6299 CMC) **RSU 10037810** ..... **59.99**

**Noise block.** Can be wired on load side to cut any electrical noise from remote modules, low-voltage ballasts or any noise-generating sources. (61-6287 CMC) **RSU 10037786** ..... **39.99**

**Plug-in noise filter.** Helps eliminate annoying electrical noise that may interfere with Plug 'n Power signals. (61-6288 CMC) **RSU 10037794** ..... **39.99**

**Wall switch for incandescent lights.** (61-6651 CMC) **RSU 10037869** ..... **36.99**

## Enhance your Plug 'n Power security system

**Motion detector.** Plug 'n Power infrared detector senses body heat and motion. (49-2589 CMC) **RSU 10037646** ..... **59.99**

**Keychain remote.** Lets you arm/disarm system, turn lights on/off as you enter and leave. Also works as a "panic" button. (49-2591 CMC) **RSU 10037687** ..... **19.99**

**POWERHORN® siren.** Loud 110-dB siren works with any Plug 'n Power security system. (49-2587 CMC) **RSU 10037638** ..... **49.99**

**Remote chime/beeper.** Ideal for use with motion sensor floodlights (below) to announce visitors or intruders. (61-2656 CMC) **RSU 10037695** ..... **24.99**

**Motion-sensing outdoor floodlights.** Lights come on when sensor detects motion. Works by itself or set it to turn on other lights at dusk—just add Plug 'n Power modules. Bulbs not included. (61-2604 CMC) **RSU 10037604** ..... **49.99**

Items with an RSU number are available fast, delivered direct to your door from Radio Shack Unlimited℠.

World Radio History

2-wire hookup



## New Universal garage door remote replacement system

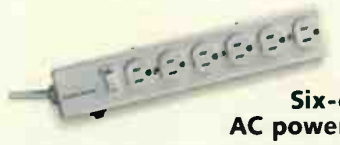
Super-versatile and easy to use. With simple 2-wire hookups this system can (1) add an extra remote to any electric garage door opener, or (2) replace any defective garage door remote, or (3) add remote control to any non-remote electric garage door opener. Makes a great additional remote or replaces lost or broken units. Plus, use it to add an on/off remote to almost any electric appliance, light, car accessory, or electronic project.

The system consists of a pre-wired receiver module and a one-button remote that's small enough to fit on a keychain. The system provides up to a 100-foot range. A 16-million combination digital security code helps prevent false triggering or unauthorized access. Installation couldn't be easier—just connect two wires from the receiver to the existing garage-door control switch or relay contacts for hobbyist use. Plug jack for external power when needed. **61-2107** ..... **59.99**



## Six-outlet strip with aluminum housing

This sturdy AC strip has a heavy-gauge extruded aluminum housing, industrial-type square outlets, lighted on/off switch, circuit breaker and a six-foot cord with grounded plug. 15A. **61-2619** ..... **19.99**



## Six-outlet AC power strip

Features a master on/off switch, circuit breaker, a heavy-duty six-foot cord with grounded plug and a metal case. Rated to 15A. **61-2151** ..... **13.99**



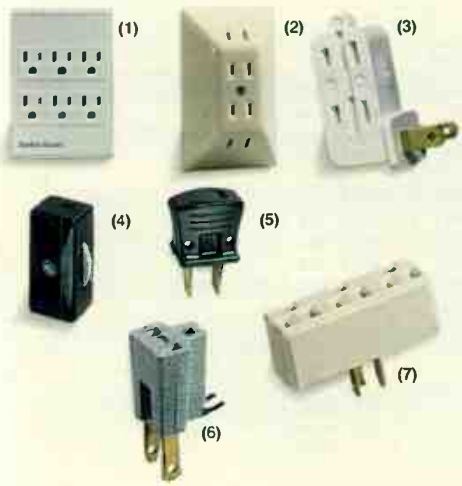
## Four-outlet AC power strip

This power strip has a heavy-gauge extruded aluminum housing, industrial-type square outlets, a heavy-duty six-foot cord with a grounded plug and circuit breaker. 15A.
**61-2620** ..... **14.99**



## Six-outlet strip with 4-foot cord

This six-outlet AC power strip features a master on/off switch and a heavy-duty four-foot cord with grounded plug. Built-in 15-amp circuit breaker provides extra protection.
**61-2150** ..... **8.99**




## AC outlet adapters, replacement plugs and line-cord switch

**(1) Six outlet.** For use with three-prong (grounded) AC outlets. Fits flush against wall and converts two outlets to six. **61-2622, 3.99**

**(2) Four outlet.** 2-prong. Converts two polarized outlets to four. **61-2621** ..... **2.99**

**(3) Three-outlet cube tap.** 2-prong. **61-2714** ..... **1.99**

**(4) Line cord on/off switch.** Ideal for lamps and small fans. **61-2713** ..... **1.59**

**(5) AC quick plugs.** Replace old plugs in seconds. **61-2702** ..... **Pkg. of 2/1.59**

**(6) Grounded plug adapters.** Convert three-prong plugs to two. **61-2720** .. **Pkg. of 2/1.39**

**(7) Three-outlet AC socket.** Converts one three-prong outlet to three outlets.
**61-2705** ..... **2.49**

# We Help You Plug in and Power Up

*We've got remotes, power strips, cords and AC plugs and adapters for just about any application. Come in and check out our large selection!*



## Convenient remote control power switch

This handy device lets you turn your television, light or appliance on/off by remote control. Turn your light or TV off without getting out of bed! It's simple to set up and use. Comes with complete instructions. Controls up to 500-watt incandescent light, 400-watt television. Requires 9V battery.
**61-2667** ..... **22.99**



## Extension cords for any purpose

Radio Shack has a great selection of extension cords. All are top quality and are polarized for safety. Choose the one that's right for your particular application.

| Feet | Description | Cat. No. | Each |
|---|---|---|---|
| 6 | White, 3-outlet | 61-2744 | 1.99 |
| 6 | Brown, 3-outlet | 61-2745 | 1.99 |
| 9 | White, 3-outlet | 61-2746 | 2.39 |
| 9 | Brown, 3-outlet | 61-2747 | 2.39 |
| 15 | Brown, 3-outlet | 61-2748 | 3.49 |
| 10 | Grounded, 1-outlet* | 61-2749 | 4.49 |
| 9 | For Air Conditioner* | 61-2758 | 7.99 |
| 25 | Brown, 1-outlet | 61-2759 | 4.49 |
| 3 | Grounded, 3-outlet* | 61-2764 | 5.49 |
| 10 | Grounded, 3-outlet* | 61-2765 | 7.59 |

*Heavy-Duty Outlets

AC-connected products on this page meet UL electrical standards.

World Radio History

# Why take chances? Computer-grade surge protectors.




With AC Adapter Spacing

Connected Equipment Guaranteed to $10,000

## Why You Need an AC Surge Protector

*Don't take chances! Momentary voltage surges can cause serious damage to TVs, VCRs, stereos, computers, microwaves, satellite systems and other expensive electronic equipment or appliances.*

### Our best! Six-outlet surge protector and noise filter

Safeguard your valuable investment with the ultimate weapon! Specifically designed to protect high-end computer equipment from damaging power surges. Also has built-in telephone jacks to protect modems and fax machines from fast transient surges entering through the phone lines. Features amazing one picosecond clamping response time for maximum protection, 3-stage, 3-line protection, extra-high 880-joule rating, 55-dB noise filter and heavy-duty 6' power cord. An audible alarm sounds to let you know if the surge suppressor circuit has become disabled—you don't have to crawl under the furniture to see if it's still working. **61-2122** ..... **59.99**

### Buzz WORDS

***UL 1449 Rating.*** *Max voltage allowed through the suppressor after it "clamps" the surge. Lower numbers are better.*

***Joule Rating.*** *Maximum energy absorption the suppressor can tolerate before becoming impaired. Higher numbers are better.*

***EMI/RFI.*** *Filters out interference coming through electrical lines or from outside sources. Higher numbers are better.*

***Surge Current.*** *Max amount of current the suppressor can tolerate before becoming impaired. Higher numbers are better.*

***Response Time.*** *Time it takes for the suppressor to respond when it detects a power surge. Look for response time of nano or pico seconds. Lower numbers are better.*

***Line Protection.*** *The number of lines (L-N-G) that are protected from power surges. The more lines the better.*



### Six outlets, audible/visual alarm

Complete 3-line surge protection. 55-dB noise filter, UL 1449 rating: 330V, 600-joule rating. Surge current: 48,000 amps. Audible and visual alarms warn of disabled surge suppression. **61-2120** ..... **35.99**

*With AC Adapter Spacing*

*Connected Equipment Guaranteed to $10,000*



### 6-outlet in metal housing

Delivers complete 3-line surge protection for valuable computer systems. 55-dB noise filter, UL 1449 rating: 330V, 450-joule rating. Ground light helps insure proper wiring. Has audible and visual alarms to warn of disabled surge suppression. **61-2121** ..... **34.99**

*Connected Equipment Guaranteed to $10,000*



*Connected Equipment Guaranteed to $10,000*

### New 6-outlet surge protector

Full, 3-line protection for your computer system. Plugs into wall socket. Great for tight spaces—like behind your workstation. UL 1449 rating: 330V, 450-joule rating, 1 nanosecond clamping response time. Audible/visual surge protection indication. 35-db noise filter. High-impact case. **61-2123** ..... **24.99**




### New *Connected equipment guarantee included at no extra cost!*

*Because Radio Shack surge protectors exceed UL1449 and meet IEEE587 standards, our protectors include a limited warranty against damage to properly connected equipment. During the warranty period, we will reimburse, repair or replace, up to the stated dollar limit, equipment damaged by a voltage surge while properly connected to a surge protector covered by the warranty. For full details, speak with a Radio Shack salesperson.*

| Model No. | Metal Case | Protected Outlets | Cord | UL 1449 | Joule Rating | Surge Current | Response Time | No. of Lines | EMI/RFI | Indicators | Phone/Coax | Price | Connected Equipment Guarantee Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Appliance Grade** | | | | | | | | | | | | | |
| 61-2791 | — | 1 | W | 400V | 40 | 4500 amps | < 1 microsecond | 2 | 15 dB | visual | — | **6.99** | — |
| 61-2142 | — | 6 | W | 400V | 140 | 13,000 amps | 1 nanosecond | 2 | 15 dB | visual | — | **9.99** | $500 |
| 61-2140 | — | 6 | 4' | 400V | 140 | 13,000 amps | 1 nanosecond | 2 | 15 dB | — | — | **13.99** | $500 |
| 61-2141 | yes | 6 | 6' | 400V | 140 | 13,000 amps | 1 nanosecond | 2 | 15 dB | visual | — | **16.99** | $500 |
| **Consumer Electronics Grade** | | | | | | | | | | | | | |
| 61-2133 | — | 1 | W | 400V | 210 | 19,500 amps | 1 nanosecond | 3 | 35 dB | visual | — | **8.99** | $2500 |
| 61-2132 | — | 6 | W | 400V | 210 | 19,500 amps | 1 nanosecond | 3 | 35 dB | visual | — | **11.99** | $2500 |
| 61-2134 | — | 6 | W | 400V | 210 | 19,500 amps | 1 nanosecond | 3 | 35 dB | visual | coax | **15.99** | $2500 |
| 61-2131 | yes | 6 | 6' | 400V | 280 | 19,500 amps | 1 nanosecond | 3 | 35 dB | visual | — | **22.99** | $2500 |
| 61-2130 | — | 6 | 4' | 400V | 280 | 26,000 amps | 1 nanosecond | 3 | 35 dB | visual | coax | **29.99** | $2500 |
| **Computer Grade** | | | | | | | | | | | | | |
| 61-2123 | — | 6 | W | 330V | 450 | 36,000 amps | 1 nanosecond | 3 | 35 dB | visual & audible | phone & fax | **24.99** | $10,000 |
| 61-2120 | — | 6 | 6' | 330V | 600 | 48,000 amps | 1 nanosecond | 3 | 55 dB | visual & audible | — | **35.99** | $10,000 |
| 61-2121 | yes | 6 | 6' | 330V | 450 | 36,000 amps | 1 nanosecond | 3 | 55 dB | visual & audible | — | **34.99** | $10,000 |
| 61-2122 | — | 6 | 6' | 330V | 880 | 65,525 amps | 1 picosecond | 3 | 55 dB | visual & audible | phone & fax | **59.99** | $10,000 |

W = wall

AC-connected products on these two pages meet or exceed UL electrical standards. Surge protectors meet UL 1449 rating.

World Radio History

# Power up with surge protectors.

## Consumer Electronics grade



*AC Adapter Spacing*

*Connected Equipment Guaranteed to $2,500*

### Six outlets, video input protection

Provides 3-line protection against damaging power surges for up to six properly connected electronics. Also has two coax jacks for protection on your cable/TV line. AC line-noise filter helps block interference in stereo and TV sound. 280-joule rating. 15-amp circuit breaker. Indicator light lets you know the surge protector is working. **61-2130** . . . **29.99**



### Six outlets, rugged metal housing

Inexpensive way to protect valuable home electronics! Has complete 3-line protection and features an AC line-noise filter to help block interference in stereo and TV sound. 280-joule rating. Circuit-breaker protected. Metal housing, 6-foot cord. Protection "on" light. **61-2131** . . . . . **22.99**

*Connected Equipment Guaranteed to $2,500*



*Connected Equipment Guaranteed to $2,500*

### New Single-outlet surge protector

Great for areas where you have just one item that needs reliable 3-line protection, such as a TV. 35-dB noise protection, 210-joule rating. 1-nanosecond response. Indicator light lets you know surge protector is operating properly. High-impact thermoplastic housing. **61-2133** . . . . . **8.99**



*Connected Equipment Guaranteed to $2,500*

### New Wall-outlet protector/noise suppressor

Space-saving, plug-in design. Ideal for multi-component home theater systems. Full 3-line protection. 35-dB noise filter, 210-joule rating. 1-nanosecond clamping time. Indicator light lets you know protector is operating properly. **61-2132** . . . . . **11.99**



*Connected Equipment Guaranteed to $2,500*

### New Wall-outlet with TV/cable coax protection

Features built-in TV antenna/cable-coax connectors to protect large-screen TVs, VCRs, laserdisc players and other coax-connected equipment. Full 3-line protection, 210-joule rating. 35-dB noise filter, 1-nanosecond clamping response. **61-2134** . . . . . **15.99**

## Appliance grade



### Six-outlet protector in metal housing

Rugged metal case makes it ideal for garage or shop. Two-line surge suppression protects lower-current power tools. Built-in 120-volt, 15-amp circuit breaker provides extra protection. 140-joule rating. Indicator light lets you know protector is operating properly. Master on/off switch. **61-2141** . . . **16.99**

*Connected Equipment Guaranteed to $500*



### Six-outlet appliance surge protector

Plug in up to six household appliances for reliable 2-line protection—ideal for use with coffee makers, radios, or other appliances. Has built-in circuit breaker for extra protection. 140-joule rating. Master on/off switch lets you turn all connected appliances on or off at once. 4-foot cord. **61-2140** . . . . . **13.99**

*Connected Equipment Guaranteed to $500*



### Single-outlet protector

An easy and inexpensive way to protect a single household appliance from damaging power surges. Provides 2-line protection, features UL 1449 rating of 400V, 80-joule rating, 15-dB noise filter. Large indicator light lets you know protector is operating properly. **61-2791** . . . . . **6.99**



*Connected Equipment Guaranteed to $500*

### New Wall-outlet surge protector

Six two-line protected outlets for your household appliances. Perfect for a kitchen counter where there are a group of appliances. Plug-in design saves space. Has a UL 1449 rating of 400V, 1-nanosecond response, 15-dB noise filter. 140-joule rating. Visual surge protection indicator. **61-2142** . . . . . **9.99**

*QUESTION:*
*What are voltage surges?*

Q&A

*ANSWER:*

*A surge is a rise in voltage in your AC power line that lasts only a fraction of a second, but can send over 6000 volts surging through a 120-volt line. In the blink of an eye, damage to your TV, VCR, stereo system, computer, microwave oven or other equipment may occur.*

*A surge may come from the electric company's switching generators or power grids, from local industries or after power interruptions when accumulated power suddenly surges back through AC lines. Even the on-and-off switching of large electrical appliances, such as refrigerators, can create damaging surges.*

***How do surge suppressors help?***

*Simply put, they "catch" the extra power coming through the AC line to protect your equipment. Because surges occur often, safeguarding your valuable equipment is a must. Why take chances when protection costs so little?*

Use your Radio Shack ValuePlus card for purchases of any amount up to your credit limit.

World Radio History



**New 2-flashlight combo pack with batteries**

Excellent value—two flashlights plus four heavy-duty batteries for one low price! Everyone can use more than one flashlight, so this convenient pack contains two powerful twin "D"-cell flashlights plus the batteries to light them. Flashlights have bright yellow cases for greater visibility and handy carry/hanging straps. **61-875** ..... **8.99**

*Available Sept. 30, 1995*



**New Krypton flashlights with batteries**

Combo pack includes one 2 "D"-cell flashlight for home or car and one 2 "AA"-cell flashlight for purse or pack, plus heavy-duty batteries for both. Krypton bulbs produce brighter, whiter light than ordinary bulbs. **61-880** ..... **11.99**

*Available Sept. 30, 1995*

# All the Flashlights You Need

*Radio Shack stocks a big selection of top-quality, reliable flashlights for camping, travel, work or emergencies. We're sure we have several that meet your special requirements—come see!*



**High-power krypton**

Krypton bulb for brighter, whiter light. Adjustable beam. Heavy-duty aluminum housing. Requires 3 "D" batteries. **61-2537, 29.99**



**Adjustable pocket krypton light**

Brighter light than regular pocket flashlights. Tough aluminum housing. Requires 2 "AA" batteries. **61-2736** ..... **10.99**



**New "D"-cell flashlight**

Rubberized surface for a sure grip. Rugged design stands up to heavy use. Requires 2 "D" batteries. **61-855** ..... **7.99**



**New Pocket "AA" flashlight**

Fits in pocket or purse. Rubberized handle is easy to grip. Rugged for heavy daily use. Requires 2 "AA" batteries. **61-865** ..... **5.99**



**Krypton focusing flashlight**

Bright krypton beam adjusts from spotlight to floodlight. Requires 3 "D" batteries. **61-2541** ..... **6.49**



**New Compact flashlight**

Unique design fits securely and comfortably in the palm of your hand. Ideal size for purse, briefcase, glove compartment. Includes 2 "AA" batteries. **61-870** ..... **4.99**

*Available Sept. 30, 1995*



**Halogen flashlight**

Halogen bulb provides 300% brighter light than ordinary bulbs. Shockproof case. Includes strap, 2 "D" alkaline batteries. **61-2737** ..... **12.99**



**Krypton pocket ENERLITE**

Elegant—solid brass case with black-matte finish. Super bright krypton bulb. Requires 2 "AAA" batteries. **61-2536** ..... **8.99**



**Krypton "D" cell light**

Textured surface for good grip. Flasher button for attracting attention or signaling. Requires 2 "D" batteries. **61-2540** ..... **5.49**



**Handy cliplight**

Ideal when you need instant pinpoint light. Pocket clip. Disposable. Includes battery. **61-2625** ..... **2.49**



**Heavy-duty flashlight**

"D" Cell. Easy-gripping handle. Requires 2 "D" batteries. **61-2639** ..... **2.59**
"C" Cell. Requires 2 "C" batteries. **61-2641** ..... **2.59**



**Durable pocket penlight**

Great for trouble-shooting or working on small projects. Pocket clip. Metal case. Requires 2 "AA" batteries. **61-2626** ..... **2.69**

Always trust Radio Shack for fresh batteries for your flashlights.



**High-visibility flashing wand**

Bright red signal can be seen for miles. Non-slip hand-grip. Water resistant. 22" long. Requires 2 "D" batteries. **61-2769** ..... **29.99**



**Wand flashlight**

Highly-visible cone. Ideal for directing traffic or for children to carry at night. Requires 2 "D" batteries. **61-2516** ..... **3.79**



**Floating Krypton lantern**

Bright, dependable large beam makes it ideal for camping, home or car. Rugged design—even floats. Requires 6V lantern battery. **61-2521** ..... **5.99**



**Halogen lantern**

300% brighter light than normal lanterns. Computer designed parabolic reflector. Requires 4 "D" alkaline batteries. **61-2525** ..... **11.49**



**Super bright car/boat searchlight**

Halogen light plugs into cigarette lighter socket. Cuts through darkness, rain, fog, snow. 15-ft. heavy-duty 12V DC cord. **61-2505** ..... **31.99**

World Radio History

# See and Be Seen

*At Radio Shack, you have many choices when you buy a flashlight or lantern. We carry battery-operated, DC-powered and rechargeable models which may have regular, krypton or halogen bulbs. A regular bulb is good for general-purpose use. A krypton bulb is typically twice as bright as regular bulbs. A halogen bulb provides a light that is up to 300% brighter than ordinary bulbs.*



Select "flash" or "steady on"

### New Personal safety light

Can be seen up to thousands of feet away in clear weather. Requires 2 "AA" batteries. **61-2507, 14.99**

### Personal strobe

Perfect for joggers or road emergencies. High-visibility xenon flash. Magnetic base. Arm strap included. Requires "C" battery.
**61-2506** ..... **19.99**



### 100x lighted slide microscope

Ideal for students, naturalists, hobbyists. Powerful 100x lens and 8x magnifier for excellent detail. Built-in light shines directly on object. Rotary focusing knob. Sturdy stand for upright viewing. Includes six specimen slides in protective carrying case. Requires 2 "AA" batteries.
**63-853** ..... **12.99**





### Fluorescent lamp and spotlight

Combines fluorescent area light on an adjustable arm, amber emergency flasher and bright krypton spotlight. Uses car DC (12VDC cord included), AC adapter #273-1662 or 4 "AA" batteries (both extra). **61-2742** ..... **14.99**



### Multi-use lantern

All-in-one lantern includes fluorescent lamp, dual warning flashers and spotlight. Dual power—runs on batteries or plugs into car cigarette lighter. Six modes of operation. Extra-bright krypton spotlight bulb. With 12VDC power cord. Requires 6 "D" batteries or AC adapter #273-1662.
**61-2743** ..... **19.99**



### Mini 2-in-1 lamp

Great for camping, hiking or car. It's lightweight and small enough to go in your backpack or glovebox. Turn on the fluorescent lamp and hang by wrist strap to add extra light inside your tent. Also has built-in bright flashlight. Requires 3 "C" batteries.
**61-2734** ..... **9.99**



### 30x microscope

Projects concentrated light directly on the object you want to view. Built-in 8x slide-out magnifier. Includes carry case. Requires 2 "AA" batteries.
**63-851** ..... **9.99**

### Lighted magnifier

What good is a magnifying glass if it's too dark to read? This one has a built-in light to make reading easier. Large 2¾" lens and 1" inset lens. Requires 2 "AA" batteries. **63-848** ..... **5.99**





### Automatic power-failure light

Durable power-failure lantern plugs into AC outlet and lights when AC fails. Adjustable swivel-head. Also works as a rechargeable flashlight. Built-in charger, Ni-Cd batteries.
**61-2741** ..... **21.99**



### Compact rechargeable flashlight

No batteries? No problem. This compact power-failure flashlight plugs directly into AC outlet for charging. Lights automatically when AC power fails. Built-in charger, Ni-Cd batteries. **61-2545** ..... **14.99**



### Night light

Brightens automatically as darkness increases. Dims and turns off at dawn. Ideal for use in nursery.
**61-2646** ..... **4.99**



### Power-failure light

Neon night-light with long-life bulb. Emergency light turns on automatically when power fails. Battery recharges when power is restored. **61-2773** ... **14.99**



### Touch lamp kit

Save on 3-way bulb costs. Converts any lamp into a 3-brightness-level "touch lamp". Extends bulb life by 200% or more.
**61-2771** ..... **14.99**



### Light controller

Photoelectric eye senses light and darkness, allowing it to automatically turn on at dusk and off at dawn.
**61-2776** ..... **7.99**



### Touch dimmer

Screw-in dimmer lets you turn a lamp on/off or adjust it to one of 3 brightness levels with a simple touch of your finger.
**61-2778** ..... **13.99**



### Security light

Turn on and off quickly for an emergency flasher to signal for help or frighten intruders. Also turns on at dusk, off six hours later.
**61-2779** ..... **19.99**

Rechargeable flashlights are UL listed.

World Radio History

# We have the power adapter you need.



(1)

## Universal vehicle DC to DC adapter

(1) Plugs into vehicle lighter socket. Provides selectable 3, 4.5, 6, 7.5 or 9VDC output voltage at up to 300 milliamps (mA) of current. Six included Adaptaplugs allow use with a wide variety of equipment. 6-foot cord. **270-1560**.....**12.99**
Includes Adaptaplugs with plug sizes like figs. B, E, F, H, M, N in drawings.

**Adaptaplug for Sony®.** Plug is 4.0mm O.D. (outside diameter), 1.7mm I.D. (inside diameter). (270-1575 CMC) RSU 10274066...**2.49**

**Adaptaplug for radar detectors.** Plug is 3.0mm O.D., 1.0mm I.D. (270-1576 CMC) RSU 10273936.....**2.49**



(2)

## High-current vehicle DC to DC adapter

(2) Plugs into lighter socket. Selectable output of 3VDC up to 400mA, 6VDC up to 600mA, 9VDC up to 900mA and 12VDC at up to 3 amps. Includes four Adaptaplugs. **270-1562**.....**16.99**
Includes Adaptaplugs with plug sizes like figs. B, H, M, N in drawings.

**6-piece set of right-angle Adaptaplugs for above. 270-1563**...**7.49**
Includes Adaptaplugs with plug sizes like fig. B,G, H, M, N, O in drawings.



(3)



(4)

## New 1-amp vehicle DC to DC adapter

(3) Plugs into lighter socket. Selectable 3, 4.5 or 6VDC, up to 1 amp. Ideal for portable CD players and LCD TVs. **273-1801**.....**22.99**
Includes five Adaptaplugs, plug sizes like figs. A, B, H, M, N in drawings.

## Vehicle DC adapters for video games

(4) **Universal Video Game DC Adapter.** Powers these games from car lighter socket: Nintendo™, SuperNintendo™, Nintendo Game Boy™, Sega™ Genesis™, NEC Turbografx-16™, Sega Game Gear™ and Atari™ Lynx™. **270-1504**.....**19.99**

**Vehicle DC adapter for Game Boy. 270-1506**.....**9.99**

**Vehicle DC adapter for Nintendo/SuperNintendo. 270-1505**..**15.99**

Trademark Notice: Brand names appearing above and on the next page identify products by or for companies that own the registration of those marks. Our accessories are not licensed, endorsed or approved by AT&T, Atari, NEC, Nintendo, Sega or Sony.



(5)

## Light-duty vehicle DC to DC adapter

(5) Provides 6 or 9VDC output, up to 500 mA. Coaxial-type output plug (plug size like fig. J in drawings) fits many small portable cassette recorders. **14-844**.....**6.99**



(6)

## 5-foot DC extension cord

(6) Fits most AC and DC adapters. Ideal for use with video games and portables used at home or in a vehicle. Has coax jack at one end, coax plug at the other end in popular 5.5mm O.D., 2.1mm I.D. size (plug size like fig. M in drawings). **273-1648**.....**3.99**

**DC Y cable.** Lets you power two DC devices from one adapter, such as a portable CD and amplified speakers. **273-1649**.....**3.99**



(7)

## Vehicle DC to 115VAC power inverters

(7) **140-watt.** For camping, travel, emergencies. Plugs into car lighter socket. Powers small home AC appliance such as a shaver, blanket, TV, VCR, battery charger. Rated 140 watts continuous. Compact, only $1^1/_2 \times 4^3/_4 \times 2^1/_2$". **22-132**.....**99.99**



(8)

**(8) New! 220-watt vehicle DC to 115VAC inverter.** Plugs into vehicle lighter socket to power a small TV or a VCR. Handles power-up surges to 700 watts. *Available Dec. 30, 1995.* **22-138**.....**149.99**

The following inverters are available through Radio Shack Unlimited℠

| Vehicle DC to 115VAC Inverter | RSU No. | CMC No. | Each |
|---|---|---|---|
| 50-Watt | 10436343 | 22-133 | **69.99** |
| 800-Watt | 10436368 | 22-135 | **499.99** |
| 1500-Watt | 10436376 | 22-136 | **849.99** |



(9)

## 120VAC to 12VDC power supplies

**(9) Regulated power supply.** Ideal for powering most mobile CBs, car stereos, radios and many other 12VDC devices from AC house current. Useful in troubleshooting as well as powering car electronics for home use. Also handy as a bench power supply for electronic technicians and experimenters. Features push-to-reset circuit breaker, LED "on" light, and a large heat sink for cool operation. Rated 2.5 amps continuous. $2^3/_8 \times 6^5/_8 \times 6^3/_8$". UL listed. **22-120**.....**39.99**

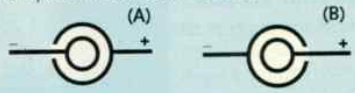


(10)

**(10) Unregulated power supply.** Same function as Fig. 9, but has a non-regulated output and is rated 1.75 amps continuous. UL listed. **22-127**.....**27.99**

## How to choose the correct AC or DC power adapter

*AC and DC adapters let you use portable equipment on home AC or vehicle DC power. An adapter* ***pays for itself fast*** *with the money that you save on batteries. To use an adapter, your portable must have a DC-input jack or use a 9V battery. Most DC input jacks have a symbol nearby that looks like one of these:*




*Symbol A means that the outside of the jack is positive (+) and the inside is negative (–). Symbol B means the reverse.* ***The adapter's plug must match your portable's DC input jack.*** *Positive on the adapter's plug* ***must*** *connect to positive on the portable's DC-input jack; negative must connect to negative.*

***Voltage.*** *The voltage (VDC) from the power adapter must be exactly the same as the voltage required by the portable. Most DC-input jacks are labeled with the voltage required.*

***Current.*** *The power adapter's current (mA) rating must be* ***equal to or more than*** *the current required by the portable. An adapter that can provide more current is OK to use. But using an adapter that provides less current can damage the adapter or the portable.*

## Adaptaplugs® plug adapters

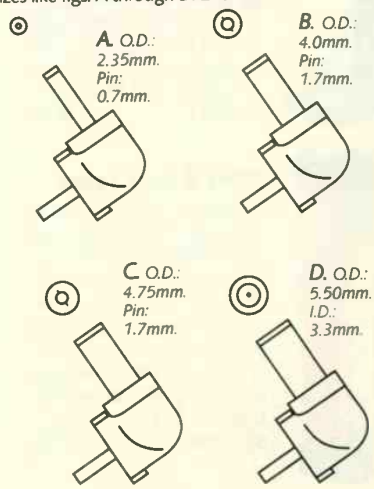
Many Radio Shack power adapters include a set of extra plugs, called **Adaptaplugs**, so the adapter can be used with different sizes of DC-input jacks. Our right-angle-style Adaptaplugs are drawn full-size below and on the next page. Some AC and DC adapters are supplied with straight-style Adaptaplugs. **O.D.** means the outside diameter of the Adaptaplug tip. **I.D.** means the inside diameter. To **ensure that you get the right adapter and plug, bring your portable or device to Radio Shack and our friendly experts will assist you.**

## New "EIAJ" Adaptaplug sets

These fit the newer style of DC input jack found on recent equipment.

**4-piece right-angle EIAJ Adaptaplug set.** Shown in A-D below. *Available Nov. 30, 1995.* **273-1646**...**3.99**

**4-piece straight EIAJ Adaptaplug set.** Have plug sizes like figs. A through D. **273-1647**.....**3.99**

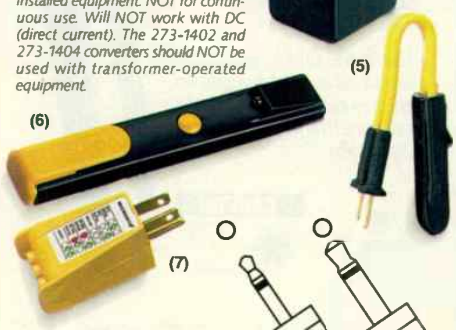



See page 174 for more DC power accessories. Adaptaplug styles subject to change. Check packaging for exact specifications.
Adaptaplugs is a registered trademark of Radio Shack. Sony is a reg. trademark of Sony Corp.

World Radio History




*IMPORTANT! Foreign power converters CANNOT be used with most clocks, typewriters, hooded hair dryers, slide projectors or permanently installed equipment. NOT for continuous use. Will NOT work with DC (direct current). The 273-1402 and 273-1404 converters should NOT be used with transformer-operated equipment.*



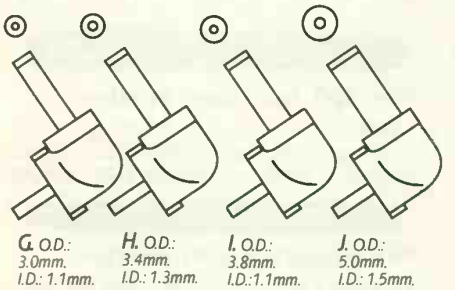

## Adaptaplug sizes

Right-angle styles shown. Some adapters are supplied with straight plug styles.



*E.* 3/32" (2.5mm) submini plug.

*F.* 1/8" (3.5mm) mini plug.

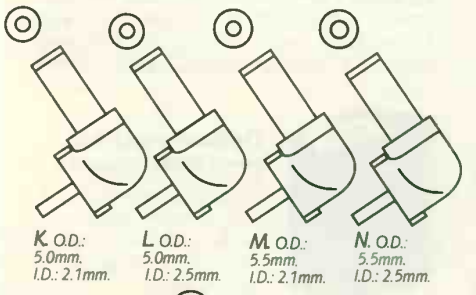


*G.* O.D.: 3.0mm. I.D.: 1.1mm.

*H.* O.D.: 3.4mm. I.D.: 1.3mm.

*I.* O.D.: 3.8mm. I.D.:1.1mm.

*J.* O.D.: 5.0mm. I.D.: 1.5mm.

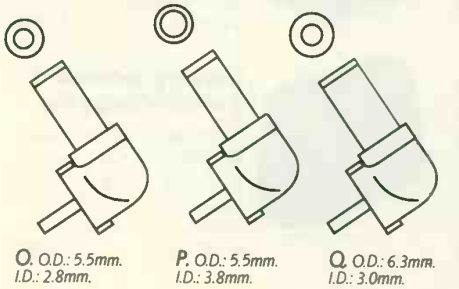


*K.* O.D.: 5.0mm. I.D.: 2.1mm.

*L.* O.D.: 5.0mm. I.D.: 2.5mm.

*M.* O.D.: 5.5mm. I.D.: 2.1mm.

*N.* O.D.: 5.5mm. I.D.: 2.5mm.



*O.* O.D.: 5.5mm. I.D.: 2.8mm.

*P.* O.D.: 5.5mm. I.D.: 3.8mm.

*Q.* O.D.: 6.3mm. I.D.: 3.0mm.

## AC adapters for overseas travel

**(1) Dual-power foreign-travel AC converter.** Lets you use 120VAC (USA) devices on 240VAC foreign power. For electronic/motorized devices up to 50 watts, such as radios, calcs. Also for heating devices up to 1600 watts such as irons, handheld hair dryers. **273-1410 ..... 34.99**

**1600-watt foreign travel AC converter.** Operates 120VAC heating devices from 240VAC. For irons, bulb-type lamps, handheld hair dryers. **273-1404 ..... 19.99**

**1000-watt foreign travel AC converter.** Same function as above, but rated 1000 watts max. **273-1402 ... 17.99**

**50-watt foreign AC converter/transformer for electronic equipment.** Converts 240VAC to operate most recorders, radios, photoflashes, battery chargers and calculators. **273-1401 ..... 16.99**

**(2) Plug adapters.** Connect foreign AC converters to almost any outlet, including recessed. *Must be used with a converter.* **273-1405 ..... Set of 4/7.99**

**(3) Foreign plug to USA-outlet adapter.** Connects a dual-voltage appliance with a European AC plug to a USA-type 120VAC outlet. **273-1406 ..... 1.99**

**(4) 40-watt foreign reverse converter.** Operates many 220/240VAC foreign appliances rated up to 40 watts on 120VAC USA-standard AC power. **273-1411 ... 31.99**

## Handy home AC testers

**(5) Neon circuit tester.** Neon lamp glows to indicate voltages from 90 to 300, AC or DC. Use to check AC outlets, cables, circuits in equipment, more. **22-102, 1.99**

**(6) AC voltage sensor.** Indicates 70 to 440 volts AC without direct electrical hookup. Easy and safe way to check cords, switches, fuses, more. **22-103 ..... 12.99**

**(7) AC-outlet analyzer.** Plug into any 3-wire (grounded) 120VAC outlet to check for dangerous faults. A "must" for power tool users and musicians. **22-101 ..... 5.99**

## AC adapters

**(8) AC adapters for popular video games. UL listed.**

| Adapter for | Cat. No. | Each |
|---|---|---|
| Super Nintendo™ | 273-1613 | 15.99 |
| Nintendo™ | 273-1611 | 15.99 |
| Nintendo Gameboy™ | 273-1660 | 7.99 |
| SEGA Genesis® | 273-1612 | 15.99 |

**AC-to-AC adapters for phone answerers. UL listed.**

| Fig. | Output | Up to | For Answerer | Cat. No. | Each |
|---|---|---|---|---|---|
| 9 | 13VAC | 800 mA | Many non-RS | 273-1610 | 8.99 |
| 10 | 9VAC | 780 mA | Many AT&T | 273-1630 | 8.99 |

**General-purpose AC-to-DC adapters. UL listed.**

| VDC | mA | Connector End | Cat. No. | Each |
|---|---|---|---|---|
| 9 | 300 | 5.5/2.1mm (M), Center Neg. | 273-1455 | 7.99 |
| 9 | 800 | 5.5/2.1mm (M), Center Neg. | 273-1656 | 12.99 |
| 9 | 9 | 9V Snap | 273-1552 | 6.99 |
| 7.5 | 100 | 3/32" Submini (E), Tip Pos. | 273-1431 | 7.99 |
| 6 | 150 | 5.5/2.1mm (M), Center Neg. | 273-1454 | 7.99 |
| 3 | 200 | 3.4/1.3mm (H), Center Neg. | 273-1456 | 7.99 |
| 3 | 200 | 3/32" Submini (E), Tip Pos. | 273-1435 | 7.99 |

**(11) 12VDC high-current adapter.** Delivers up to one amp. Includes four Adaptaplugs. **273-1653 ..... 21.99**
Includes Adaptaplugs with plug sizes like figs. M, O, P, Q.

**12VDC adapter.** Up to 500 mA. **273-1652 ..... 10.99**
Includes 4 Adaptaplugs with plug sizes like figs. F, J, M, Q.

**(12) New 9VDC adapter for handheld scanners.** 300 mA. Replaces #20-188. Plug size H. **273-1665 .... 7.99**

**6-7.5VDC.** Up to 700 mA. **273-1655 ..... 17.99**
Includes 4 Adaptaplugs with plug sizes like figs. G, H, I, M.

**(13) 3VDC adapter for CD players.** 600 mA. Regulated. Plug size H. (273-1659 CMC) **RSU10449106 .... 17.99**

**(14) 9 VDC adapter.** Up to 500 mA. **273-1651 ... 10.99**
Includes 2 Adaptaplugs with plug sizes like figs. F, M.

**Universal AC-to-DC Adapter.** Selectable 3, 4.5, 6, 7.5, 9VDC output, up to 300 mA. **273-1650 ..... 12.99**
Includes 6 Adaptaplugs, plug sizes like figs. E, F, H, J, L, M.

**(15) 3 or 6VDC selectable.** 700 mA. **273-1663 ... 17.99**
Includes 4 Adaptaplugs with plug sizes like figs. G, H, I, M.

**4.5 or 6VDC selectable.** 550 mA. **273-1664 ..... 18.99**
Includes 3 Adaptaplugs with plug sizes like figs. B, H, M.

**1.5 or 3VDC selectable.** Up to 300 mA. For personal stereos. Hum-free. **273-1654 ..... 13.99**
Includes 2 Adaptaplugs with plug sizes like figs. G, H.

**(16) 11-piece Adaptaplug® set.** Set includes straight plugs with plug sizes like figs. E, F, G, H, J, K, L, M, N, O, Q. **274-1501 ..... 6.99**

See facing page for new "EIAJ"-style Adaptaplug sets.

# Adapters for Home & Away

*Going overseas? When you travel abroad, you don't have to leave behind your electric razor, lens sterilizer or other important personal items. Our Foreign Travel AC Converters (fig. 1) let you use most small appliances on foreign power, and our heavy-duty transformers (below) will let you operate U.S. cooking appliances, TVs, stereos and more.*



## Transformers for using larger appliances on foreign power

These rugged, high-quality transformers convert 220/240 VAC overseas power to 120VAC to operate U.S.-standard appliances.

| Handles up to | RSU No. | CMC No. | Each |
|---|---|---|---|
| 200 Watts | 10282820 | 273-1415 | 39.99 |
| 500 Watts | 10282838 | 273-1416 | 64.99 |
| 1000 Watts | 10282846 | 273-1417 | 99.99 |
| 1500 Watts | 10282853 | 273-1418 | 149.99 |




Accessories for Nintendo not licensed, endorsed or approved by Nintendo of America, Inc. and the words "Nintendo," "Game Boy," and "Nintendo Entertainment System" are registered trademarks of Nintendo.

World Radio History

# Truly useful electronics.





## America's Electronic Specialists

*We've been introducing innovations in technology to homes, offices and schools since 1921.*

*Compare!* Our laser pointers are small and lightweight so they're easier to use. They're not much larger than a ball-point pen!









### Rest easier with a relaxing sleep machine

Sleep Machine®. Soothing sounds like tropical forest rainfall, gentle lapping of surf or the rhythmic "clickety-clack" of a train lull you to sleep. One-hour automatic shut-off timer with auto-fade. Built-in 3" speaker plus pillow speaker. 1/8" earphone jack. UL listed AC.
**63-646** ..... **39.99**



*Available Sept. 30, 1995*

### New Voice memo recorder keychain

The most useful keychain you'll ever own. Easily record messages or reminders of up to 10 seconds and play them back later. One-touch record, playback. **63-941** ... **14.99**

## Timekeepers that really "tell" the time

I Can Talk

*Great gift ideas! Radio Shack has the largest selection of talking timepieces you'll find anywhere.*



### "Time period" clock

Adds a timely spot of color to a desk. Announces the time at the touch of a button or every hour if you choose. Requires 2 "AA" batteries. **63-913** .... **14.99**



### Keychain alarm

Time and key keeper for folks going places. Hear time at the touch of a button or every hour. Includes batteries.
**63-910** ..... **12.99**



### Alarm watch with timer/calendar

Push a button to hear the time or set the watch to announce time hourly. 59-minute countdown timer. Date display. Includes battery. **63-5043** ..... **29.99**



### Clock and thermometer

Hear time, temperature at the touch of a button. Requires 2 "AAA" batts.
**63-724** ..... **29.99**



### New Big-digit watch

Press a button to hear the time. Choose from three alarm sounds—beep, cuckoo or rooster. Alarm has 10-minute snooze control. Includes battery.
**63-5044** ..... **14.99**



*Available Sept. 30, 1995*

### New AC-powered alarm clock

Tells time at the push of a button or on the hour. Large 0.9" LED display. Requires 9V battery for backup. **63-912** .. **29.99**



### Alarm watch

A clear voice announces the time hourly or at the touch of a button. Use the alarm to remind you of calls to make and appointments. LCD time display. Includes battery. **63-5042** .... **17.99**



*Available Nov. 30, 1995*

### New Alarm clock

Just touch the button and a pleasant voice tells you the time. Hear a chime or the time every hour. Requires 2 "AA" batteries. **63-901, 14.99**



### Analog/digital watch

Has traditional face, plus an LCD display. Voice tells the time at the touch of a button or every hour. Rooster-crow alarm. Handsome gun-metal gray case. With battery. **63-5045** .... **39.99**



### New Distinctive alarm clock

Convenient on-top controls. On-the-hour chime or time. Rooster crow alarm. Requires 2 "AA" batteries. **63-915, 14.99**



### New 100-foot laser pointer

LX-200. Aim a dot of light up to 100 feet away to highlight information on a screen. Requires 2 "AAA" batteries. **63-1041** .... **49.99**



### New 300-foot laser pointer

LX-1000. Throws a point of light up to 300 feet away. Easier to use than steel pointers. Requires 2 "AAA" batteries. **63-1043**... **59.99**



### New Pulsating laser pointer

LX-2000. Our most powerful and brightest. Choose a steady beam or a pulsating beam for emphasis. Use from up to 300 feet away. Requires 2 "AAA" batteries. **63-1044**... **69.99**



### Deluxe cordless pencil sharpener

Cordless convenience, but with the quality of an AC-powered pencil sharpener. Requires 4 "AA" batteries.
**61-2590** ..... **11.99**



### Battery-powered pencil sharpener

No tangling cords. Space-saving and easy to use portable sharpener. Includes spare blade. Requires 4 "AA" batteries.
**61-2768**..... **3.99**

Looking for a battery? Radio Shack has factory-fresh batteries for watches, clocks, timers, cameras, calculators and hearing aids.

World Radio History

# We can keep you on time.



Available Sept. 30, 1995

**New Jumbo-digit alarm clock**

Time at a glance—enormous 1.8" LED digits can be read easily from across the room! High/low display switch lets you adjust the brightness to suit surrounding light. Three-level crescendo alarm starts softly to wake you gently and gets louder. Snooze button for a few extra winks. **63-749** ..... **19.99**



Available Sept. 30, 1995

**New Easy-to-set alarm clock**

The 0.9" red LED display is especially easy to see. Quick and easy controls make setting the clock and alarm simple. Snooze button lets you get a few extra winks. In bright colors—perfect for a kid's room. **63-750** ..... **14.99**



**Clock with 1.4" digits**

Large LED display with high/low brightness. Uniquely designed. Snooze. **63-763, 17.99**



**Easy-to-set alarm clock**

Turn the dial to rapidly set the time. 0.6" LED digits, snooze button. **63-771** ..... **14.99**



**Compact alarm clock**

Excellent choice for a crowded nightstand. 0.6" digits. **63-770** ..... **10.99**

*Our AC-powered alarm clocks, shown above, stay on time even if AC fails.*




*Battery backup system. If AC fails, a battery powers the clock for up to eight hours (without display) and sounds alarm at the correct time.*




*Battery Sentinel®. Monitors the backup battery. An LED alerts you if the battery is weak or not installed.*



**"Blue Seas" alarm clock**

Soothing. LCD clock behind a boat sailing on a serene blue sea. ¾"-high digits. With battery. **63-732, 14.99**



**New Ultra-thin clock, big display**

1⅝" display is easy to read. For desk or wall. Requires "AAA" battery. **63-743** ..... **17.99**



**Anywhere® clock**

With bracket to mount on wall, car dash, anywhere! Clock slides in/out. With battery. **63-736** ..... **7.99**



**Decorative clock/calendar**

4"-long chrome and simulated granite base. Transparent display, ¾"-high digits. With battery. **63-734** .. **7.99**



**Desktop with 1¾"-high digits**

Huge numbers embedded in a transparent display are easy to read from a distance. Shows time or alternating month-date and time. Handsome tubular metal frame. 4½" high. With battery. **63-729** .... **19.99**



**LCD "clip clock" with magnet**

Spring clip plus slot for wall use and magnet to hold to fridge or filing cabinet. ¾"-high digits. With battery. **63-733** ..... **7.99**



**Stick-on clock/calendar/timer**

Mount it anywhere. 15-minute timer can help limit phone calls. 1½" diameter. With battery. **63-840** .. **3.99**



**Travel clock with crescendo alarm**

Alarm's 4-step-volume wakes you gently. Has snooze control, backlight, Requires "AAA" battery. **63-720** ..... **14.99**



**Travel alarm with calendar**

¾" digits, 12/24-hour format, snooze button. Requires "AAA" battery. **63-723** ..... **9.99**



**New Mini travel alarm clock**

The 4-level crescendo alarm with 3 different tones wakes you gently. Snooze. Backlit dial. Requires "AA" battery. **63-737, 11.99**



Folds flat for travel

**Ultra-thin travel alarm**

¾"-high digits, yet folds to credit-card size for travel. With battery. **63-722, 12.99**

## Accurate timing for sports, cooking, workouts, tests, more



Available Sept. 30, 1995

**New Easy-set count up/down timer**

Numeric keypad lets you enter times directly. Counts down from 99 minutes, 99 seconds. Memory. Includes battery. **63-878** ..... **12.99**



**New Dual timers with big display**

Two count-up or count-down timers. Large display. Counts up to 30 hours. Includes battery. Beep tone. **63-898, 15.99**



**Dual-memory timer/clock**

Time two events at once. Handy clip/stand/magnet mount. 99 hours, 59 minutes. Includes battery. **63-884** ..... **15.99**



**Count up/down precision timer**

Counts down, beeps, counts up. 99 minutes, 59 seconds max. timing. Includes battery. **63-897** ..... **12.99**

AC-powered clocks on these two pages require 9V battery, extra, for backup. All AC-powered clocks are UL listed.

World Radio History

# Time for a new watch.

## CASIO Illuminator watches




## CASIO "G-Shock" CASIO Marine Gear




*Pushbutton illumination makes display easy to read*

**(1) New G-shock watch.** Tough and rugged. Illuminated so it's easy to read at night or under water. Water-resistant to 200 meters. Daily alarm, countdown timer. **63-5240** . . . . **64.99**

**(2) New Data management watch.** Stores names and numbers, and has a personal scheduler. World time clock, calculator, stopwatch. **63-5242** . . . . . **67.99**

**(3) New Alarm watch.** Daily alarm to remind you of appointments. Hourly chime. Built-in stopwatch. Water-resistant to 50 meters. Illuminated. **63-5230** . . . . . **25.99**

**(4) New Alarm watch.** Countdown timer, stopwatch. Water-resistant to 100 meters. **63-5220** . . . . . **37.99**

**(5) New Organizer/phone directory watch.** Features a telephone directory, scheduler, calculator, world-time clock. Also has alarm and stopwatch. **63-5241** . . . . . **67.99**

**(6) New Workout watch.** Features pedometer, pacer and is water-resistant to 50 meters. Alarm, hourly chime. Illuminated. **63-5235** . . . **42.99**

**(7) New Marine watch.** Water-resistant to 200 meters. Built-in stopwatch, daily alarm. Dual-time function. **63-5236** . . . . . **44.99**

**(8) New Water-resistant watch.** Water-resistant to 50 meters. Features daily alarm and hourly alarm. Built-in stopwatch. Illuminated. **63-5233** . . . . . **29.99**

## CASIO classic watches




**(9) Remote-control watch.** Control TV, VCR, cable box. Daily alarm, hourly chime, stopwatch. **63-5228** . . . . . **59.99**

**(10) New Classic styling watch.** Analog watch with sweep second hand. 24-hour dial. Water resistant. **63-5243** . . . . . **16.99**

**(11) New Analog/digital watch.** Dual-time function. Features daily alarm and hourly alarm. Built-in stopwatch. Water resistant. **63-5232** . . . . . **25.99**

**(12) New Phone directory watch.** Stores names and numbers. Features daily alarm and world-time clock. Built-in stopwatch. Water resistant. **63-5238** . . . . . **54.99**

**(13) New Weather watch.** Features thermometer with memory, world time and temperature data. 5 daily alarms, stopwatch, water resistant. **63-5237** . . . . . **49.99**

**(14) New Dual-time watch.** Analog and digital for dual times. Daily and hourly alarms. Stopwatch, water resistant. **63-5231** . . . . . **25.99**

**(15) New Dual-time watch.** Three-hand analog and digital. Daily alarm. Stopwatch, water resistant to 100 meters. **63-5239** . . . . . **54.99**

**(16) New Analog watch.** Water resistant covering and sweep second hand. **63-5206** . . . . . **17.99**

**(17) New Analog/digital watch.** Dual times, daily and hourly alarms. Stopwatch, water resistant. **63-5234** . . . . . **29.99**

## Watches and stopwatches




**(18) Calculator watch.** 8-digit calc, alarm, hourly chime, calendar. **63-5021** . . . . . **14.99**

**(19) LCD alarm watch.** Hourly chime, calendar, backlight and water-resistant case. **63-5034** . . . . . **9.99**

**(20) New LCD sport stopwatch.** Water resistant. Lap and split times. Easy-to-read display. Neck cord. With battery. **63-5014** . . . . . **19.99**

**(21) Multifunction LCD stopwatch.** Times to 24 hours. Stores 9 lap times. Pacer beep. Chime, alarm. With battery. **63-5013** . . . . . **24.99**

**(22) LCD alarm watch.** Metal case and band. Backlight, chime, timer, stopwatch. **63-5035** . . . . . **14.99**

**(23) New LCD alarm watch.** Alarm, hourly chime, stopwatch. Backlight, water resistant. **63-5033** . . . . . **11.99**

**(24) LCD watch/pen.** Displays time and date. Accepts standard ink refill. Brushed-chrome metal housing. **63-5093** . . . . . **5.99**
**Ink Refill.** (CMC 63-5096) **RSU 11267630** . . . . . **1.49**

## Multifunction watches

*Available Nov. 15, 1995*




**(25) New Illuminator alarm watch.** Stopwatch and adjustable pacer beep. Alarm, hourly chime. Water resistant to 30 meters. **63-5083, 24.99**

**(26) New Alarm watch with data bank.** Stores names and phone numbers. Also has calculator, stopwatch, four alarms, world time clock. Dual time. **63-5087** . . . . . **29.99**

**(27) New Flip-top watch with calculator.** More features than meet the eye! A stylish and classic analog watch on top with an 8-digit calculator, digital watch and stopwatch hidden underneath. Handy built-in alarm helps keep you on time. Hourly chime, month/ day/date calendar. **63-5085** . . . . . **27.99**

Looking for a battery? Radio Shack has factory-fresh batteries for watches, clocks, timers, cameras, calculators and hearing aids.

World Radio History

### Know the temperature and the relative humidity instantly

*Radio Shack personal electronics can help make your life more comfortable.*

*Electronic humidity gauges and thermometers provide accurate readouts of current conditions so you can adjust a humidifier or heating and cooling system to the most comfortable settings. Plus, you can recall the highest and lowest temperature since last reset at the touch of a button.*



### Get the right temperature!

*Why call for the temperature from a service that may be miles away or on the top of a tall building? Our indoor/outdoor thermometers let you know what the temperature is inside or outside your own home or office!*



### Indoor/outdoor thermometer/ humidity gauge

Displays indoor and outdoor temperatures simultaneously. Measures indoor relative humidity, too. Tells you when relative humidity is optimum. F° or C° readouts. Requires 2 "AA" batteries.
**63-867** ..... **29.99**



### Indoor/outdoor thermometer

For desk or wall. Constantly monitors changes to provide up-to-the-second temperatures. Easy-to-read digital display. Backlight. Celsius or Fahrenheit readout. With battery. **63-854** .... **15.99**



### Jumbo dual-display thermometer

Easy-to-read digits show indoor and outdoor temperatures at the same time. The memory stores minimum and maximum temperatures since you last reset it. Celsius or Fahrenheit readout. Requires "AAA" battery. **63-869** ..... **29.99**



### Dual-display thermometer

Simultaneously shows indoor/outdoor temperatures. Memory lets you see highest and lowest readings since last reset. Wall mount or use with built-in desk stand. Requires "AA" battery.
**63-1020** ..... **21.99**



### Thermometer and humidity gauge

Shows indoor temperature and the relative humidity. Shows when temperature and humidity are ideal. Stores last high and low temperatures and humidity readings. Requires 2 "AAA" batteries.
**63-855** ..... **24.99**



### Dual-display with memory

Separate LCD displays show indoor and outdoor temperatures. Switchable C° or F° readout. High/low memory saves readings until reset. Wall mount or desk stand. Requires "AAA" battery.
**63-859** ..... **29.99**



### New Thermometer with alarm

Sounds an alarm if temperature goes above or below set range. Great for protecting plants, pets, water pipes. High/low temperature memory. Switchable C° or F° readout. Requires "AAA" battery.
**63-1011** ..... **21.99**

*Available Oct. 30, 1995*



### New 6-in-1 weather station

Shows wind direction, wind speed, temperature, wind chill, relative humidity and rainfall. Mount or carry with you. **63-868** ..... **13.99**

*Quick and easy mounting*

*Available Nov. 15, 1995*



### New Car/RV thermometer

Change from inside to outside reading at the touch of a button. Choose C° or F° readout. Backlight. Includes battery. **63-1019** ..... **15.99**

## Electronics for your health



### Digital pedometer

Measure your mileage—accurately measures up to 99,999 steps and up to 999.99 miles. Large easy-to-read LCD display. Includes built-in belt clip and RS386A battery.
**63-682** ..... **14.99**



### Blood pressure monitor

Arm cuff auto inflates to correct pressure at the touch of a button. LCD display shows blood pressure and pulse rate. Memory stores last readings. Low-battery indicator. Requires 4 "AA" batteries.
**63-639** ..... **79.99**



### Blood pressure monitor

Light and compact so it's easy to take with you. One-hand operation—insert finger in cuff and monitor inflates to correct pressure at the touch of a button. Requires 4 "AAA" batteries.
**63-638** ..... **79.99**



### Stereo amplified listener

Boost and adjust sounds to a comfortable level. Requires 2 "AAA" batteries and headphones with 1/8" plug. **33-1093** .... **21.99**

**Stereo listener with 3-band EQ.** Requires 2 "AAA" batteries and headphones. **33-1094** ..... **31.99**

Always consult a physician before beginning any exercise program.

World Radio History

# In-dash CD player and trunk-mount CD changer.




## Optimus® Audio for Your Car

*Choosing the right stereo for your vehicle is as easy as coming to Radio Shack. Whether you're replacing an underpowered factory stereo or installing a custom multi-component system, we've got it all. Choose our new in-dash CD/receiver, trunk-mount CD changer, or any of our great-sounding AM/FM cassette models. Add an equalizer or power amplifier for improved sound, or a subwoofer for incredible bass. We even have handy installation kits and wiring harnesses.*

### New In-dash CD/receiver with detachable faceplate

This one has it all: superb CD sound, high power, digital AM/FM stereo tuner and detachable faceplate to discourage theft—remove it and the unit will not operate. CD player features shuffle-play, audible search, repeat play and 10-second intro scan. You get a 16-watt-per-channel amp, separate bass, treble and loudness controls, fader, plus a 2-channel/4-channel selector. Tuner has memory presets for 12 FM and 6 AM stations that you can program manually or automatically, plus Auto Travel Programming that stores the first six strong stations in each band—makes it easy to find local stations when traveling. Also has seek, memory scan, and local/distant button for best FM reception. Line-out jacks let you add an external amplifier or powered subwoofer. LCD display with clock. Night illumination. DIN-E. (TSP) **12-2151** ..... **349.99**




### New 6-disc trunk-mount CD changer plays through your FM car stereo

The easiest way to add the convenience of a CD changer to your car stereo. Plugs directly into the wire that runs from your antenna to your radio. After installation, you simply tune in great CD sound just as you would a radio station. Wired remote gives you complete control. Choose shuffle play and the CD player randomly selects and plays tracks from all loaded CDs. Auto-search music system quickly locates the beginning of any track. Audible search lets you rapidly play a CD in either direction to locate a desired section of a track. Intro scan plays the first 10 seconds of each track on a CD so you can find a favorite track. Use repeat play to automatically repeat the current track. A spring-loaded, oil-dampened suspension system helps keep the CD changer steady when you drive over bumps. Changer can be mounted horizontally, vertically, or at a 45° angle. Remote has selectable red or green display. Includes mounting hardware, hookup cables and instructions. (TSP) **12-2180** ..... **449.99**

### *Install it yourself—we can show you how*

*Even if you have never installed a car stereo before, you'll be surprised just how simple it is—with help from your nearby Radio Shack. First, remove your present stereo, which can usually be accomplished with just a screwdriver. Next, using an installation kit and wiring harness adapter from Radio Shack (see page 173), assemble the faceplate and plug in the wiring connectors as illustrated in the owner's manual. Mount the new stereo in your dash according to the installation instructions. To assure a proper fit, some stereos may require a special installation kit (many are available at Radio Shack, some may be special-order). You can typically accomplish a quality installation within an evening. And you'll save money by avoiding the high cost of professional installation.*

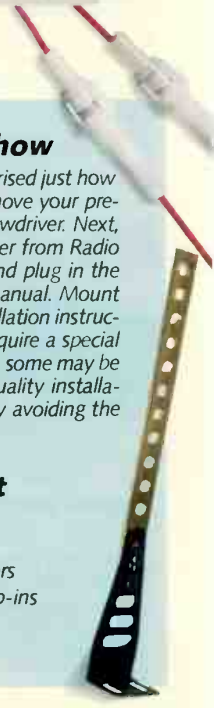


### *Installation tool checklist*

*Common household tools that you may need to install your new stereo:*

*✔Screwdriver ✔Wire strippers/crimpers ✔Electrical tape ✔Wire ties ✔Wire tap-ins*

*Some installations may require the use of additional tools.*





World Radio History

# Sound values on AM/FM cassette car stereos.




### Anti-theft, auto-reverse, Dolby

Remove faceplate to help deter thieves. Dolby B noise reduction. 14-watt-per-channel amp powers up to four speakers. Digital tuner with 18 FM and 12 AM memory presets. Line-out jacks. DIN-E. (TSP) **12-2104** ..... **199.99**



### Auto-reverse, Dolby, high power

14-watts of power per channel. Dolby B noise reduction. Tuner has 30-station memory, auto search, scan, memory scan. Bass/treble controls. Front-panel input for adding a portable CD player. DIN-C. (TSP) **12-1996**..... **169.99**




### Anti-theft, high-power, alarm

25 watts per channel. Anti-theft detachable 3/4-panel. Current-sensing alarm sounds through speakers. Auto-reverse cassette. Tuner with 30 presets. Amber and green illumination. DIN-E. (TSP) **12-2103** .... **149.99**




### New Anti-theft keypad, 28 watts

Auto-reverse cassette plays both tape sides. Tuner features auto memory and seek/scan tuning, 12 AM/18 FM memory presets. Bass/treble controls. Dual amber/green illumination. DIN-E. (TSP) **12-2108** ..... **139.99**




### Auto-reverse, line outputs

Detach the 1/2-panel and the stereo is inoperable. With panel carrying case. Tuner has 12 FM/6 AM presets. Seek, auto memory scan, local DX switch. Amber night illumination. DIN-E. (TSP) **12-2102** ..... **129.99**



### Auto-reverse, 30 presets

Cassette has locking FF and reverse. Precise PLL digital tuner stores 18 FM and 12 AM stations for 1-touch tuning. Memory scan and seek tuning. Amber lighted LCD display with clock. DIN-C. (TSP) **12-2002**.... **129.99**




### New Anti-theft, digital tuning

Remove control panel to discourage theft. Auto-stop cassette with locking fast-forward. Tuner features memory scan and seek tuning, 18 FM/12 AM memory presets. Bass and treble controls. DIN-E. (TSP) **12-2107**... **119.99**



### Auto-reverse, 30 presets, clock

Plays both tape sides automatically. 14-watt output. Stereo tuner stores 18 FM/12 AM stations. Preset station scan, automatic local/DX switch. FM signal enhancer. Amber night illumination. DIN-E. (TSP) **12-2101** ..... **119.99**




### Detachable panel, CD jack

Anti-theft panel renders stereo inoperable. Cassette with auto-stop and locking fast-forward. Separate bass and treble controls. 18 FM/12 AM station presets. Memory, seek and auto memory scan. DIN-E. **12-1998** ... **99.99**



### Digital tuning, auto-stop, clock

Precise digital tuning with presets for 6 FM and 6 AM stations. Advanced FM optimizer circuitry automatically adjusts for the best sound. Memory, seek and scan tuning. Amber lighted display. DIN-C. **12-1997** ..... **89.99**



### New Digital tuner, CD jack

PLL tuner with 18 FM/12 AM memory presets. Auto memory store, preset memory scan, seek tuning. FM signal enhancer for best sound. Cassette features auto-stop, locking fast-forward. DIN-E. (TSP) **12-2009**.... **79.99**




### New Mini-size in-dash stereo

Designed to fit small spaces. Amber backlit dial. Cassette auto-stop to protect tapes. FM stereo LED indicator. Rotary volume, tone, tuning and balance controls. Mini/Universal chassis size. (TSP) **12-2001** ..... **59.99**

## This car stereo chart will help you select the stereo cassette with the features you want

| Cat. No. | Amplifier | | | | | | Tape | | | | | | Radio | | | | | | Anti-Theft Features | Style | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Watts/Channel | Bass & Treble | Spkr. Fader | Line Out | CD Jack | Loudness Control | Locking FF/Rew | Auto Stop | Auto Reverse | Dolby NR | ASMS | Metal $CrO_2$ | Station Presets | Auto Seek | Mem. Scan | Clock Display | Mono/ Stereo | Local/ DX | | | |
| 12-2001 | 4 | Tone | | | | | FF | ✔ | | | | | | | | | | ✔ | | Mini/Univ. | 59.99 |
| 12-2009 | 4 | Tone | | | ✔ | | FF | ✔ | | | | | 30 | ✔ | ✔ | ✔ | ✔ | | | DIN-E | 79.99 |
| 12-1997 | 4 | Tone | | | ✔ | | FF | ✔ | | | | | 12 | ✔ | ✔ | ✔ | ✔ | ✔ | | DIN-C | 89.99 |
| 12-1998 | 4.5 | ✔ | | | ✔ | | FF | ✔ | | | | | 30 | ✔ | ✔ | ✔ | ✔ | ✔ | Partial Detachable | DIN-E | 99.99 |
| 12-2101 | 7 | Tone | | | | Auto | ✔ | | ✔ | | | | 30 | ✔ | ✔ | ✔ | ✔ | Auto | Full Detachable | DIN-E | 119.99 |
| 12-2107 | 16 | ✔ | | | | | FF | ✔ | | | | | 30 | ✔ | ✔ | ✔ | ✔ | Auto | | DIN-E | 119.99 |
| 12-2002 | 4 | Tone | ✔ | | | | ✔ | | ✔ | | | | 30 | ✔ | ✔ | ✔ | ✔ | ✔ | Partial Detachable | DIN-C | 129.99 |
| 12-2102 | 4 | Tone | | ✔ | | ✔ | ✔ | | ✔ | | | | 18 | ✔ | ✔ | ✔ | | Auto | | DIN-E | 129.99 |
| 12-2108 | 14 | ✔ | ✔ | | | | ✔ | | ✔ | | | ✔ | 30 | ✔ | ✔ | ✔ | ✔ | Auto | Partial Detachable | DIN-E | 139.99 |
| 12-2103 | 16 | ✔ | ✔ | | | | ✔ | | ✔ | | | ✔ | 30 | ✔ | ✔ | ✔ | ✔ | Auto | Partial Detachable | DIN-E | 149.99 |
| 12-1996 | 14 | ✔ | ✔ | ✔ | ✔ | Auto | ✔ | | ✔ | ✔ | ✔ | ✔ | 30 | ✔ | ✔ | ✔ | ✔ | ✔ | | DIN-C | 169.99 |
| 12-2104 | 14 | ✔ | ✔ | ✔ | | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | 30 | ✔ | ✔ | ✔ | ✔ | Auto | Full Detachable | DIN-E | 199.99 |

*Max Power

Dolby is a registered trademark of Dolby Laboratories Licensing Corporation

World Radio History

# Trunk-mount amplifiers for music with muscle.



**New 340-watt, 4-channel trunk-mount MOSFET amplifier**

Delivers incredibly clean, powerful sound (85 watts x 4) through MOSFET technology—you get high efficiency with less noise. Noise-isolated line-level and RCA-type input jacks let you connect either high or low-level sources. Channels three and four are bridgeable and have an adjustable 45 to 400 Hz crossover frequency with on/off switch—great for powering a subwoofer. Automatic power switching with mute circuit to eliminate "thumps" when turning on power. Gold-plated speaker terminals. Automatic thermal protection system keeps the amp from getting too hot. (TSP) **12-1977** ..... **199.99**

## Build a Better Car Stereo

*With an Optimus power amplifier, your music will not only be louder, it will sound better, too. Added power will let you hear your stereo clearly over road noise. And, unlike low-power stereos, you won't hear any added distortion when you listen at higher volume. You'll get deeper, cleaner bass and wider dynamic range to hear a more dramatic contrast between loud and soft passages.*



**170-watt MOSFET amplifier**

Use as an 85-watt per channel stereo amp or 170-watt mono amp to drive a subwoofer for thundering bass. Regulated MOSFET (metal-oxide silicon field-effect transistor) power supply for incredibly clean sound. Mute circuit eliminates speaker-damaging "thumps" when turning on power. Bass and treble controls. High and low-level inputs. (TSP) **12-1967** ..... **149.99**



**4-channel, 150-watt amplifier**

Feel the music come at you from front (25 watts x 2) and rear (50 watts x 2)—loud and clear, without added distortion. Front/rear level controls. Power MOSFET rear-channel circuitry for high efficiency with less noise. Noise-isolated line-level and RCA-type input jacks let you connect either high or low-level signals. Integral heat sinking for cool, reliable operation. (TSP) **12-1975**..... **119.99**



**100-watt MOSFET amp**

50 watts per channel of awesome sound. Integral heat-sinking design. MOSFET circuit for high efficiency with less noise. Input gain control, remote power-on. Gold-plated low-level RCA-type input jacks and high-level input/output screw terminals. Overload and circuit protection. (TSP) **12-1971**..... **89.99**



**New 4-channel, 100-watt amp**

Gives you 25 watts x 4 channels of clean, powerful sound. Automatic power switching turns the amp on/off when you turn the stereo system on/off. High and low-level inputs. Gold-plated speaker terminals. Input level control. Overload and circuit protection. (TSP) **12-1976** ..... **79.99**



*For car stereo with plenty of punch, choose Optimus trunk-mount power amplifiers and car audio components.*



**50-watt trunk-mount amp**

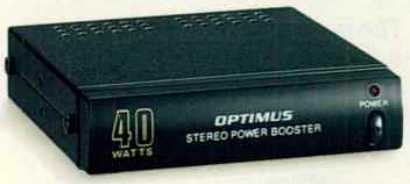
25 watts per channel—ideal for rear speaker amplification. Integral heat-sinking design. Gain control, remote power-on. Gold-plated, low-level RCA-type input jacks and high-level input/output screw terminals. Overload and circuit protection. **12-1970**..... **49.99**

| Cat. No. | Channels | Watts/ Channel | High & Low Level Inputs | Overload/ Circuit Protection | Remote On/Off | Input Level Controls | MOSFET Circuitry | Mono Bridgeable | Special Features | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| 12-1970 | 2 | 25W×2 | ✔ | ✔ | ✔ | ✔ | | | | 49.99 |
| 12-1976 | 4 | 25W×4 | ✔ | ✔ | ✔ | ✔ | | | | 79.99 |
| 12-1971 | 2 | 50W×2 | ✔ | ✔ | ✔ | ✔ | ✔ | | | 89.99 |
| 12-1975 | 4 | 50W×2 Rear 25W×2 Front | ✔ | ✔ | ✔ | ✔ | ✔ | | | 119.99 |
| 12-1967 | 2 | 85W×2 or 170W×1 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | Bass & Treble | 149.99 |
| 12-1977 | 4 | 85W×4 or 85W×2 & 170W×1 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | Subwoofer Cross-over | 199.99 |

All Radio Shack power amps include heavy-duty power cables for easy installation. Note: RCA-type jacks are the industry standard "phono" jacks.
Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).

World Radio History

# Accessory Headquarters




### 40-watt under-dash booster/amp

Compact—mounts under dash or seat to deliver 20 watts per channel. You'll hear more music at a more enjoyable level. Power on/off button, LED "on" indicator. Speaker-level input. For use only with high-power handling speakers. 1 x 4 3/16 x 4 5/16". **12-1869** .... **19.99**



### 40-watt, 7-band EQ/booster

Boost the power and customize the sound. Front-rear speaker fader, 10-segment LED power meter, line-level and speaker-level inputs. Input jack for portable CD player. Mounts easily under the dash. 1 3/4 x 6 3/8 x 5". (TSP) **12-1966** ..... **59.99**



### 3-way electronic crossover system

This crossover adds flexibility and improved speaker response. Two pairs of inputs, three pairs of outputs. Low-pass 80/120/180/250 Hz, mid-pass between 80/120/180 Hz & 2.4/3.5/5/7 kHz, high-pass 2.4/3.5/5/7 kHz. Crossover slopes: 12 dB/octave. 12VDC neg. gnd. **12-1968**..... **49.99**



### Electronic subwoofer crossover

Boosts and directs low-end frequencies to subwoofer amplifier. Adjustable crossover frequencies of 70/90/120 Hz let you "fine tune" your system. Also provides a 12 dB boost at 45 Hz for bass you can feel. Perfect with one of our amps and Band Pass Box #12-1731. **12-1974**..... **29.99**




**Line-out converter**

(1) Just what you need to connect amplifiers, boosters and equalizers to car stereos not equipped with line-out jacks. **12-1337** ..... **24.99**

**FM signal booster**

(2) Great for "fringe" areas. Boosts FM signals by more than 10 dB to bring in stations more clearly. For 12VDC neg./pos. ground. **12-1873** ..... **19.99**

**CD-to-cassette adapter**

(3) Quickly connects a portable CD player to your current car cassette player. It's easy—no installation or special wiring needed! Just load like a regular cassette tape. **12-1951** ..... **19.99**

## Antenna cables and adapters



**3-way connector**

Couples two antennas to one radio, or one antenna to two radios. **12-1313**..... **1.99**

**Male-to-female 12-foot extension**



Ideal for rear-mount antennas. Built-in capacitor. **12-1311**..... **4.99**



**Male-to-female 24" extension**

Adds 2 feet to antenna cable. **12-1312** .... **1.99**

**Male-to-male 24" extension**



Shielded. **12-1314**... **1.99**



**GM antenna adapter**

Adapts GM mini connector to standard radio jack. **12-1336** ..... **2.49**

## AM/FM stereo antennas




(4) **Flexible universal replacement whip antenna.** 14" long. **12-1333** ..... **4.99**

(5) **New Flexible universal replacement antenna.** 13 1/2" long. **12-2267**..... **4.99**

(6) **New Black universal replacement antenna.** Mast-mount. 30 3/4" long. **12-2268**..... **6.99**

(7) **Rubber ducky antenna.** Roof, truck, fender mount. 16" long. 50" cable.**12-1327**..... **6.99**

(8) **Flexible universal antenna.** Fender or cowl mount. 15" long. 54" cable. **12-1331** ..... **6.99**

(9) **One-piece mini antenna.** For narrow fenders. 31" stainless steel whip. 54" cable. **12-1322**... **8.99**

(10) **Universal "8-ball" antenna.** Top cowl/fender mount. Extends from 21 to 55", adjusts 35°. Stainless steel whip. 54" cable. **12-1306**..... **8.99**

(11) **Black one-piece mini antenna.** 31" long. 54" cable. **12-1334** ..... **8.99**

(12) **Gutter-mount antenna.** Three-section whip extends to 29 1/2". 78" cable. **12-1324**..... **8.99**

(13) **Pillar-mount antenna.** Fits most Japanese cars except Honda. Extends from 19 1/2 to 51". 61" cable. **12-1320**..... **8.99**

(14) **Stainless steel spring antenna.** Swivel ball mount for cowl/fender. Extends from 25 to 55". Adjusts 90°. 48" cable. **12-1307** ..... **9.99**

(15) **Power antenna.** Needs only 13" of room below mounting surface. Extends/retracts when radio or ignition are turned on or off. Extends to 39". Stainless steel. **12-1330** ..... **39.99**

Note: Boosters rated total watts rms output, all channels. Boosters require 4-wire ungrounded speaker wiring. For 12VDC negative ground only. Illustrated instructions and mounting hardware included.

World Radio History

# Truck and van speakers.




### 8" bandpass box speaker

125-watt RMS, 375-watt max. capacity. Its 4th-order bandpass design puts the speaker completely inside the enclosure for incredibly low bass. It produces a deep, cleaner sound at greater efficiency—a full 93dB SPL at 1 watt/meter. Poly-coated 8" woofer with large 14 oz. magnet. Gold-plated terminals. Carpeted. Measures 22 × 10 × 12". 4 ohms impedance. (TSP) **12-1731**..... **Each 149.99**




### New 10" 2-way truck speakers

150-watt RMS, 450-watt max. capacity per pair. These speakers are specially designed for use in pickups and RVs. Rugged, portable design lets you enjoy music on the road or outside the vehicle at picnics or tailgate parties. Tuned-port design for maximum bass. 10" woofer and 3¾" piezo-ceramic tweeter. Carpeted. Measures 14 × 19 × 6". 4 ohms impedance. (TSP) **12-1736** ..... **Pair 179.99**



### 8" 2-way hatchback speaker

125-watt RMS, 375-watt max. system capacity. Ideal for location in hatchback, van or behind a truck seat. Can easily be moved outside vehicle for beach or tailgate parties. Delivers rich stereo sound with 2-way ported design. Carpeted. Poly-coated 8" woofers with 10 oz. magnets. 3¼" piezo tweeters. Measures 11 × 27 × 11½". 4 ohms impedance. (TSP) **12-1728** ..... **Each 139.99**

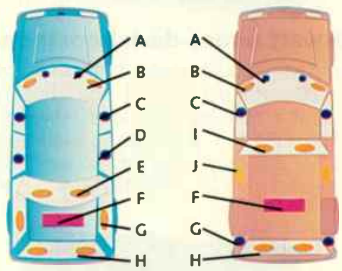


### 8" 2-way truck/van speakers

100-watt RMS, 300-watt max. capacity per pair. Awesome bass! Carpeted, two-way ported enclosures for incredible sound. Setup is easy—you can turn up the volume and enjoy the music within minutes. Polypropylene 8" woofer with a 10-ounce magnet. Top-firing piezo tweeter delivers crystalline highs. Sturdy metal grille. 16 × 12 × 6" each. 4 ohms. (TSP) **12-1727** ..... **Pair 119.99**

## *The right speaker is essential for balanced sound & easy installation*

*The diagram below shows recommended mounting locations for most vehicles. Locations may vary depending on installation and make.*




| | Speaker Location Guide |
|---|---|
| A | Front dash |
| B | Front kick panels |
| C | Front door panels |
| D | Rear door or rear seat side panels |
| E | Rear deck (below rear window) |
| F | Trunk, hatchback, cargo area or ext. cab |
| G | Rear or side panels or rear wheel wells |
| H | Tailgate |
| I | Behind seat, cab corners or lower side wall |
| J | Mid-rear side panels |




## Flush-mount car speakers for the right fit



### 6 × 9" 2-way flush mount

60-watt RMS, 180-watt maximum capacity per channel. 6 × 9" woofer and 2¾" tweeter. 15-oz. high-efficiency magnet for rich, powerful bass. Wide 60-20,000 Hz frequency response. 4 ohms. (TSP) **12-1722**..... **Pair 59.99**



### 6 × 9" 3-way flush mount

60-watt RMS, 180-watt max. capacity per channel—ideal for high-power equipment. Moisture-proof 6 × 9" polypropylene woofer plus 2½" midrange and 1½" piezo tweeter. 16-oz. magnet. 4 ohms. (TSP) **12-1720**..... **Pair 79.99**



### Our best 6 × 9" 3-way speakers

Rated 100-watt RMS, 300-watt maximum capacity per channel—great for high-power decks and amps. Deliver incredible stereo sound when mounted in rear deck or front/rear door panels. Moisture-proof polypropylene woofer and extra-large 20-oz. magnet for incredible bass. 3" mylar midrange speaker. 1" polymide tweeter. 4 ohms impedance. (TSP) **12-1719**..... **Pair 99.99**



### Economical 5¼" speakers

10-watt RMS, 30-watt max. capacity per channel. Spruce up the sound of your car audio without spending a fortune. Wide-range driver, 2.9-oz. magnet. Wide 80-20,000 Hz frequency response. 8 ohms. **12-1714**..... **Pair 19.99**



### 5¼" 3-way flush mount

30-watt RMS, 90-watt max. capacity per channel. They deliver super full-range performance. Each has a 5¼" woofer with super heavy 17.72-oz. magnet, 2" midrange and a 1" tweeter. 4-ohm impedance. (TSP) **12-1717** ..... **Pair 49.99**



### New 6½" full-range

20-watt RMS, 60-watt max. capacity per channel. They're specially designed for installation in limited spaces—require less than 2¼" depth for mounting. 80-18,000 Hz frequency response. 10-oz. magnet. 4 ohms. **12-1735** ..... **Pair 29.99**



### New 6½" 3-way speakers

40-watt RMS, 120-watt max. capacity per channel. Flush-mount design to fit in tight spaces. 6½" high-efficiency woofer with 14.12-oz. magnet, 2" midrange and 1" tweeter. 50-20,000 Hz frequency response. 4 ohms. (TSP) **12-1734** ..... **Pair 49.99**

Speakers on these two pages include all necessary mounting hardware.

World Radio History

# Surface-mount speakers and installation kits.



## Our best surface mounts! 3-way air-link speakers

60-watt RMS,180-watt max. capacity per channel. Uniquely designed speakers mount on rear deck and use the trunk as each speaker's ported enclosure. Each delivers full stereo sound from a 6 1/2" woofer, 3" midrange and 1 1/2" tweeter. Large 10.94-oz. barium magnet. Protective metal grille. 4 ohms impedance. 60-20,000 Hz frequency response. (TSP) **12-1730**..... **Pair 99.99**



## 4-way bass-reflex car speakers

50-watt RMS, 150-watt capacity per channel. 4-way design with 4" woofer with 8-oz. magnet, 2" midrange and dual 1" tweeters. Gives you 86 dB SPL at 1 watt/meter. 4 ohms. 5 1/16 x 11 7/16 x 6 11/16". 60-20,000 Hz frequency response. (TSP)
**12-1713**..... **Pair 79.99**



## New 3-way bass-reflex speakers

50-watt RMS, 150-watts max. capacity per channel. Perfect for rear deck mounting. Each speaker has 4 1/4" woofer with 7.97-oz. magnet, 2" midrange and 1" tweeter. Molded grilles with punched-metal mesh. Includes mounting hardware. (TSP) **12-1733**..... **Pair 59.99**



## 3-way bass-reflex speakers

30-watt RMS, 90-watt max. capacity per channel. With bass-reflex design for improved response. Each has a 3 1/3" woofer with 5.3-oz. magnet, 2" midrange and 1" tweeter. Surface mount. 4 1/2 x 11 x 5 3/8". Metal mesh grilles. 4 ohm impedance. (TSP) **12-1725**..... **Pair 49.99**



## 3-way bass-reflex surface mount

15-watt RMS, 45-watt max. capacity per channel. Bass-reflex enclosure for deeper, more extended audio response. Features 3" woofer with high-efficiency 2.8-oz. magnet, 2" midrange and 1" piezo tweeter. 3 3/4 x 8 1/8 x 4 1/4". 4 ohms. (TSP)
**12-1724**..... **Pair 29.99**



## 4" full-range surface speakers

30-watt RMS, 90-watt max. capacity per channel. These compact surface-mount speakers deliver big, full-range stereo sound. Each has a 4" woofer with 4.2-oz. magnet. Protective black metal mesh grilles. Installation instructions. 4 ohms. (TSP).
**12-1729**..... **Pair 24.99**



## New 3" full range surface mount

20-watt RMS, 60-watt max. capacity per channel. These speakers are adjustable so you can custom-direct the sound. Each has a 3" woofer with a 2.8-oz. magnet. 230-15,000 Hz frequency response. Easy to install—no cutting required. Mounting brackets included. (TSP) **12-1732**..... **Pair 19.99**

## In-dash installation kits



GM. Fits 88 different vehicle models.
**12-1384**..... **12.99**
**Ford.** fits 107 different vehicle models.
**12-1385**..... **12.99**
**Universal.** Fits 79 different imports.
**12-1396**..... **12.99**
**DIN to shaft conversion kit.** Fits many vehicles from '81 and up. Installs stereos with control shafts into dashes of newer cars.
**12-1386**..... **7.99**

## Wiring harness adapters



The easy, sure-fitting way to attach new car stereo wiring to manufacturer's wiring harness. **Each 9.99**

| Fit Vehicle Model/Years | Cat. No. |
|---|---|
| Chrysler '84-Up | 12-1378 |
| Ford '86-Up | 12-1377 |
| General Motors '78-Up | 12-1375 |
| General Motors '88-Up | 12-1376 |
| Honda '86-Up | 12-1379 |
| Nissan '82-Up | 12-1380 |
| Toyota '87-Up | 12-1381 |



## Easy amplifier installation kit

Wiring and connectors for amps up to 200 watts. 20-ft., 10-gauge. power cable, 17-ft. line in/out cable with 4 RCA jacks, 10-ga. AGC fuse holder, 30 amp AGC fuse, firewall grommet, spade terminals. **12-1370**... **29.99**



## Ground loop isolator

Helps eliminate electrical noise and hum caused by ground loops. For home or car stereo. Installs in-line between head unit or CD player and equalizer or amplifier input. **270-054**..... **14.99**

## Car/Truck Speaker Feature Comparison Chart

| Catalog No. | Description | Continuous Power Handling (RMS) | Maximum Power Handling (Max.) | Woofer | Mid-Range | Tweeter | Frequency Response | Impedance | Special Features | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| 12-1727 | 2-Way Truck/Van Speakers | 100 watts/pair | 300 watts/pair | 8" | — | 3 3/4" | 45 Hz-20 kHz | 4 ohms | Tuned-port design, carpeted enclosure | **119.99 Pair** |
| 12-1728 | 2-Way Hatchback Speakers | 125 watts/system | 375 watts/system | 8" | — | 3 1/4" | 45 Hz-20 kHz | 4 ohms | Tuned-port design, carpeted enclosure | **139.99 Each** |
| 12-1731 | Bandpass Box Speaker | 125 watts/system | 375 watts/system | 8" | — | — | 30 Hz-130 Hz | 4 ohms | 4th Order Bandpass, carpeted enclosure | **149.99 Each** |
| 12-1736 | 2-Way Truck/Van Speakers | 150 watts/pair | 450 watts/pair | 10" | — | 3 3/4" | 25Hz-20kHz | 4 ohms | Tuned-port design, carpeted enclosure | **179.99 Pair** |
| 12-1714 | 5 1/4" Full-Range Flush-Mount | 10 watts/channel | 30 watts/channel | 5 1/4"* | — | — | 80 Hz-20 kHz | 8 ohms | | **19.99 Pair** |
| 12-1735 | 6 1/2" Full-Range Flush-Mount | 20 watts/channel | 60 watts/channel | 6 1/2"* | — | — | 80 Hz-18 kHz | 4 ohms | | **29.99 Pair** |
| 12-1717 | 5 1/4" 3-Way Flush-Mount | 30 watts/channel | 90 watts/channel | 5 1/4" | 2" | 1" | 70 Hz-20 kHz | 4 ohms | | **49.99 Pair** |
| 12-1734 | 6 1/2" 3-Way Flush-Mount | 40 watts/channel | 120 watts/channel | 6 1/2" | 2" | 1" | 50 Hz-20 kHz | 4 ohms | | **49.99 Pair** |
| 12-1722 | 6"x9" 2-Way Flush-Mount | 60 watts/channel | 180 watts/channel | 6"x9" | — | 2 3/4" | 60 Hz-20 kHz | 4 ohms | | **59.99 Pair** |
| 12-1720 | 6"x9" 3-Way Flush-Mount | 60 watts/channel | 180 watts/channel | 6"x9" | 2 1/2" | 1 1/2" | 70 Hz-20 kHz | 4 ohms | Moisture-proof polypropylene woofer | **79.99 Pair** |
| 12-1719 | 6"x9" 3-Way Flush-Mount | 100 watts/channel | 300 watts/channel | 6"x9" | 3" | 1" | 60 Hz-20 kHz | 4 ohms | Moisture-proof polypropylene woofer | **99.99 Pair** |
| 12-1732 | Full-Range Surface Mount | 20 watts/channel | 60 watts/channel | 3"* | — | — | 230 Hz-15 kHz | 4 ohms | Includes mounting brackets | **19.99 Pair** |
| 12-1729 | Full-Range Surface Mount | 30 watts/channel | 90 watts/channel | 4"* | — | — | 100 Hz-19 kHz | 4 ohms | | **24.99 Pair** |
| 12-1724 | 3-Way Surface Mount | 15 watts/channel | 45 watts/channel | 3" | 2" | 1" | 100 Hz-20 kHz | 4 ohms | Bass-reflex design | **29.99 Pair** |
| 12-1725 | 3-Way Surface-Mount | 30 watts/channel | 90 watts/channel | 3 1/3" | 2" | 1" | 150 Hz-20 kHz | 4 ohms | Bass-reflex design | **49.99 Pair** |
| 12-1733 | 3-Way Surface Mount | 50 watts/channel | 150 watts/channel | 4 1/4" | 2" | 1" | 150 Hz-20 kHz | 4 ohms | Bass-reflex design | **59.99 Pair** |
| 12-1713 | 4-Way Surface-Mount | 50 watts/channel | 150 watts/channel | 4" | 2" | 1" (2) | 60 Hz-20 kHz | 4 ohms | Dual tweeters, bass-reflex design | **79.99 Pair** |
| 12-1730 | 3-Way Surface-Mount | 60 watts/channel | 180 watts/channel | 6 1/2" | 3" | 1 1/2" | 60 Hz-20 kHz | 4 ohms | Air-Link design uses car's trunk as ported enclosure | **99.99 Pair** |

*Full-Range Speaker (not woofer)

Radio Shack Unlimited℠ can supply hard-to-find installation accessories for many makes of cars.

World Radio History

# Automotive speakers and accessories.




## Upgrade Your Car Audio

*If you want to improve your car audio system, start with speakers and accessories from Radio Shack. We have the speakers, grilles and enclosures you need.*

### Replacement/upgrade speakers

(1) **5"**, 20 watts maximum. 9.8 oz. magnet.
**40-1284** ..... **10.99**

**5"**, 10 watts maximum. 5.3 oz. magnet.
**40-1909** ..... **8.99**

**5"**, 5 watts maximum. 2.8 oz. magnet.
**40-1240** ..... **6.99**

(2) **5¼"**, 40 watts maximum. 10 oz. magnet.
**40-1354** ..... **13.99**

**5¼"**, 8W max. 3.3 oz. magnet. **40-1241** ..... **6.99**

(3) **4"**, 10 watts maximum. 6.8 oz. magnet.
**40-1197** ..... **10.99**

**4"**, 2W max. 0.53 oz. magnet. **40-1208** ..... **7.49**

(4) **3½"**, 20 watts maximum. 5 oz. magnet.
**40-1325** ..... **8.99**

**3½"**, 4W max. 2.8 oz. magnet. **40-1333** ..... **4.99**

(5) **6 × 9"**, 25 watts maximum. 10 oz. magnet.
**40-1265** ..... **16.99**

**6 × 9"**, 6 watts maximum. 3 oz. magnet.
**40-1269** ..... **11.99**

(6) **4 × 10"**, 30 watts maximum. 10 oz. magnet.
**40-1297** ..... **15.99**

**4 × 10"**, 10 watts maximum. 5.3 oz. magnet.
**40-1243** ..... **13.99**

(7) **5 × 7"**, 10 watts maximum. 2.8 oz. magnet.
**40-1261** ..... **11.99**

(8) **4 × 6"**, 10 watts maximum. 5.3 oz. magnet.
**40-1298** ..... **7.99**




### Building speakers

Illustrated book shows you how to build your own home and vehicle speakers. **62-1087** ... **6.99**



### 2-way speaker crossover network

Sends lows to woofer, highs to tweeter. 100-watt capacity. Crossover: 3000 Hz. 12 dB/octave.
**40-1305** ..... **17.99**



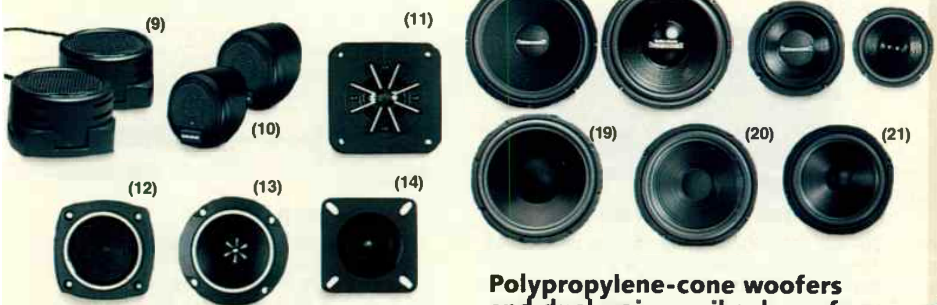
### 6 × 9" speaker enclosures

Sturdy wood boxes covered in carpet. Spring terminals for fast hookup. 8¼ × 12¼ × 7½". **40-171** ..... **34.99**



### 8" subwoofer enclosures

Add speakers for awesome bass. 15¾ × 18¼ × 7½".
**40-175** ..... **69.99**




### Add a tweeter or midrange

(9) ¾" **dome tweeter set.** Restores high frequencies. Built-in crossover. 5 kHz-20 kHz. 60 watts maximum. 4 ohm. Includes mounting base and hardware. **40-1391** ..... **Set 29.99**

(10) **New** **2½" surface-mount dome tweeter set.** Dome-shaped diaphragm for superior dispersion. 3 kHz-20 kHz. 94-dB sensitivity. 40 watts maximum. 4 ohm. **40-1393** ..... **Set 39.99**

(11) **2" dynamic midrange.** Smooth 1.5-10 kHz adds realism. 70 watts maximum. 10.8 oz. magnet.
**40-1281** ..... **Each 26.99**

(12) **2" piezo tweeter.** No crossover needed. 75 watts maximum. 5-25 kHz response.
**40-1383** ..... **Each 4.99**

(13) 3¾" **piezo tweeter.** No crossover needed. 75 watts maximum. 4 kHz-25 kHz.
**40-1397** ..... **Each 9.99**

(14) **2½" horn tweeter.** 6-16 kHz response. 40 watts maximum. **40-1278** ..... **Each 13.99**

### Polypropylene-cone woofers and dual-voice-coil subwoofers

(15) **12" subwoofer.** Construct your own deep-bass speaker system. Dual voice coil. 120 watts maximum, response: 26-2,700 Hz. 19 oz. magnet.
**40-1350** ..... **59.99**

(16) **New** **10" subwoofer.** Extra-long cone excursion. Dual voice coil. 120 watts maximum, 30-2,000 Hz. 20 oz. magnet. **40-1349** ..... **49.99**

(17) **8" subwoofer.** Delivers solid bass. 100 watts maximum, 18 oz. magnet. **40-1348** ..... **39.99**

(18) **New** **6½" subwoofer.** Extra-long cone excursion for deeper bass. 40 watts maximum, 40-3,000 Hz. 10 oz. magnet. **40-1373** ..... **29.99**

(19) **12" woofer.** Extra durable polypropylene cone. 50 watts maximum, response, 25-3,000 Hz. 19 oz. magnet. **40-1026** ..... **49.99**

(20) **10" woofer.** Long-life cone is built to withstand greater stress at high volume level. 50 watts maximum, 12 oz. magnet. **40-1014** ..... **39.99**

(21) **8" woofer.** 50 watts maximum, 35-3,000 Hz. 10 oz. magnet. **40-1024** ..... **34.99**

### Custom speaker grilles



**5¼" round.** Wire mesh grille.
**40-1336** ..... **Each 4.99**

**6 × 9".** All-steel grille.
**40-1175** ..... **Each 3.99**



**8" round.** All-steel grille.
**40-1345** ..... **Each 7.99**

**10" round.** All-steel grille.
**40-1357** ..... **Each 9.99**

**12" round.** All-steel grille.
**40-1346** ..... **Each 11.99**

**15" round.** All-steel grille.
**40-1358** ..... **Each 16.99**

### Molded speaker grilles



**4" or 5" round.** Door mount.
**40-1321** ..... **Each 3.99**

**6 × 9".** Rear-deck mount.
**40-1322** ..... **Each 5.99**

Visit your nearby Radio Shack store for assistance in selecting the right replacement speaker.

World Radio History

# Automotive installation accessories.




**(1) Universal 12VDC fused, coiled cord.** Tangle-resistant. Four coax-style plugs fit a variety of 12VDC devices. Replaceable 2-amp fuse.
**270-1528** ..... 9.99

Heavy-duty 12VDC fused cord. 6-ft. 3-amp fuse. Coax plug.
**270-1534** ..... 5.99

**Ten-foot 12VDC extension cord.** Rated 6 amps. **270-1536** .... 5.99

**(2) Modular two-outlet 12VDC adapter.** Rated 8 amps, total.
**270-1525** ..... 6.99

**Two-outlet 12VDC Y-adapter.** Power two 12VDC devices from one lighter outlet. Rated 8 amps, total. **270-1535** ..... 5.99

(3) Standard 12VDC fused cord. 8-ft. 2-amp fuse. Coax plug.
**270-1533** ..... 4.49

**(4) 12VDC lighter plug.** With 8-ft. cord. **270-021** ..... 3.49

**Heavy-duty** 12VDC power plug. Plugs into vehicle lighter socket. Accepts standard 1¼ x ¼"-diameter glass fuse up to 7.5 amps.
**274-335** ..... 2.39

12VDC lighter plug. Fits standard lighter socket. Rated 6 amps.
**274-331** ..... 1.69

**(5) Auto electrical system tester.** Just plug into lighter socket. Color-coded LEDs help you spot battery and charging system problems before you're stranded. Use as part of your regular car maintenance. For use in all 12VDC negative ground vehicles. **22-1635** ..... 5.99

**(6) 12VDC cord with battery clips.** Attach directly to 12-volt battery to power 12VDC devices such as vacuum cleaners and safety lights that have a lighter-style plug. **270-1527** ..... 5.99

**(7) 12VDC accessory outlet.** Mounts under dash or in camper for powering 12VDC devices such as car phone or radar detector.
**270-1539** ..... 5.99

**(8) Triple 12VDC accessory outlet.** Rated 15 amps, total.
**270-1544** ..... 9.99

(9) Metric control shaft nuts and washers. 6 each. For automotive sound equipment. **270-028**. ..... 1.29

**(10) New 3-outlet 12VDC plug adapter.** Has LED indicator and adjustable neck. **270-1550** ..... 12.99

**(11) New Voltage/continuity tester.** Tells you if car battery is fully charged, if voltage is delivering high voltage, and whether or not wiring is bad. Built-in light to help place tip of tester accurately. Tests 6-24VDC plus high-voltage ignition. **22-105** ..... 19.99

(12) **Universal mounting bracket set.** Three pairs of brackets, support strap. **270-023** ..... 3.99

**(13) Glass fuse kit.** Set of 10 most needed sizes. **270-1262**..... 1.99

**(14) "Blade" fuse kit.** Set of 5 most needed sizes. **270-1201** .... 1.99

**Mini blade fuse kit.** Set includes 8 fuses and puller. **270-1203** .. 2.99

**(15) Fuse tool.** Install/remove glass/plastic fuses without damaging them. **270-1199** ..... 99¢

Auto sound knobs (figures 16 + 17). Fit "D" and split shafts. Sets include two inner and two outer knobs.
**(16) Matte-black. 274-425** ..... Set 2.19
**(17) Chromed. 274-427** ..... Set 3.19

**(18) Ground loop isolator.** Helps eliminate electrical noise and hum caused by ground loops. **270-054** ..... 14.99

**(19) Inline fuse holder for glass fuse.** Rated for fuse up to 20 amps.
**270-1211** ..... 1.49

**(20) 4-conductor accessory cable.** 12" long. With polarized plug and jack. Useful for connecting trailer lights and other accessories.
**270-027** ..... 2.39

**(21) Inline "blade" fuse holder.** For fuse up to 30 amps.
**270-1213** ..... 1.99

(22) **5-pin car stereo plug.** 12" leads. Fits Realistic® and earlier model Optimus® car stereos. **270-041** ..... 2.49

**(23) 18-ft. car stereo cable assembly.** Includes prewired 5-pin plug, fuse holder and 18-ft. leads for two speakers. **270-014** ..... 5.99

**(24) Universal car stereo plug.** Fits 4- or 5-pin sockets. 12" leads. Inline fuse holder. **270-017** ..... 2.49

(25) **5-pin inline car stereo socket.** 7" leads. **274-1215** ..... 1.59

**(26) 2-conductor accessory cable.** 12" long. Polarized plug and jack.
**270-026** ..... 1.49

(27) **4-ft. fused DC cable set.** Prewired with polarized plug and jack.
**270-025** ..... 2.49

**(28) 14-pin car stereo harness.** Replacement harness for recent Radio Shack and Optimus car stereos. **12-1387** ..... 7.99

*QUESTION:*
*What causes car stereo interference?*

Q&A

*ANSWER:*
*Interference can come from many sources. The alternator, ignition, improper grounding, even wires located close to your stereo can cause problems.*
*Our sales associates can help you determine the probable source of noise and recommend a solution.*




**(29) Selector switch.** Switch speakers between a separate stereo tape player and a radio. 8 ohms. (270-045 CMC) **RSU 10456200, 5.99**

**(30) Speaker fader control.** Balances front and rear speakers to suit taste. (270-048 CMC)
**RSU 11376423** ..... 8.99

**(31) 10-amp noise filter.** Reduces noise and interference entering through 12VDC power lead.
**270-051** ..... 14.99

**(32) Noise eliminator kit.** Includes filter choke, capacitor and instructions. **270-030**..... 3.99

**(33) 20-amp noise filter.** Heavy-duty design for extra suppression of alternator and ignition noise.
**270-055**..... 19.99

**(34) Resistive noise filter.** Plugs in-line at distributor cap to suppress auto ignition noise. **270-012**.. 2.49

**(35) Feedthrough filter capacitor.** Helps cut noise from ignition system, fan motor or DC generator. Simple to install. Capacitor is rated 0.5µF, 40 amps, 60WVDC.
**272-1085** ..... 6.49

**(36) Lighted rocker switch panel.** SPST. 20 amps at 12VDC.
**275-704** ..... 4.49

**Dual lighted flip switch panel.** Switches rated 20A each.
**275-702**..... 3.49

**(37) Lighted flip switch.** Rated 20 amps. **275-706** ..... 2.79

**SPST flip switch.** Rated 16 amps.
**275-701** ..... 1.99

**Heavy-duty flip switch.** Rated 25 amps. **275-708** ..... 2.29

**(38) DPDT flip switch.** Center off position. 20 amps. **275-710** .. 2.99

**DPDT momentary flip switch.** Spring return to center off position. 20 amps. **275-709**..... 3.29

**(39) Automotive lighting relay.** SPST contacts rated 30 amps. 12VDC, 66-ohm, 160 mA coil.
**275-226**..... 5.99

**(40) New SPDT flip switch.** Rated 16 amps. **275-711**..... 1.99

**(41) New SPST lighted rocker switch.** Rated 16 amps.
**275-712** ..... 2.29

Attention installers! Large-quantity discounts available at participating Radio Shack stores—see page 217

World Radio History

# Radio Shack radar and laser detectors.



**New Dual-tracking laser detector**

This detector's dual-tracking laser system detects police laser signals from both the front and rear. It covers the complete X, K and entire Ka radar and laser bands, signaling separate alerts for each. City/highway button minimizes unwanted X band audio alerts, typically encountered in urban or commercial areas, without reducing sensitivity. With windshield and visor brackets, 4' cord, hook and loop fastener and spare fuse. **22-1658** ..... **129.99**



**Laser detector with remote rear laser**

Get complete rear and front coverage of X, K and super-wide Ka bands. Remote unit mounts to windshield for rear protection. Visor mount, hook & loop fastener. **22-1655** ..... **199.99**





**New Laser/radar with super-wide Ka**

Covers all police radar systems including the entire X, K, and Ka bands, providing a separate audio alert for each. Detects "instant on" radar. City/highway. 4-LED strength meter. **22-1656** .. **99.99**



**Laser, X, K and super-wide Ka detector**

Covers all bands of police radar, X, K and Ka, sounding a separate tone and illuminating a different light for each. Digital signal processor reduces annoying false alarms. **22-1654** ..... **149.99**



**New Laser, X, K and super Ka detector**

Covers X, K and Ka bands with both front and rear detection. Road-hazard alert. Visor and windshield brackets, 4' cord, fastener, spare fuse.
**22-1659** ..... **169.99**



**Front/rear laser detector**

Alerts you of signals—X, K and super-wide Ka bands—aimed at both the front and rear of your car. Has advanced false-signal rejection, new "ghost" technology.
**22-1653** ..... **249.99**

| Cat. No. | All-Band Radar | Laser | Front/Rear Detection | VG-2 guard | Road Hazard | City/Hwy | Signal Meter | Separate Visual Alert | Audio Mute | Separate Audio Tones | Dark Button |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22-1653 | ✔ | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 22-1654 | ✔ | ✔ | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 22-1655 | ✔ | ✔ | ✔ | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 22-1656 | ✔ | ✔ | | | | ✔ | ✔ | | | ✔ | |
| 22-1658 | ✔ | ✔ | ✔ | | | ✔ | ✔ | ✔ | ✔ | ✔ | |
| 22-1659 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | |

## Complete selection of radar/laser detector accessories



**Detector power cords**

For replacement of lost or worn radar/laser detector cords with 1.3mm plug. 6-ft. length, coiled.
**270-031** ..... 6.99

2.1mm plug. 6-ft. length, coiled. **270-032** .... 6.99

New 2.5mm plug. 6-ft. length, coiled.
**270-029** ..... 6.99



**2 outlet adapter**

This very convenient adapter runs two detectors or other 12-volt DC operated devices from one cigarette lighter socket.
**270-1525**..... 6.99



**Bracket**

Our best adjustable radar or laser detector mounting bracket.
**270-038** ..... 14.99



**Universal clip**

Stainless steel. Use for mounting on visor or as belt clip.
**270-033**..... 3.99



**DC-Y adapter**

Lets you power radar detector and separate laser detector or any two 12-volt DC devices.
**270-1535**..... 5.99



**Coiled power cord**

Includes 4 plug adapters to fit almost any radar detector or 12-volt DC TV. 2-amp fuse. **270-1528** ... 9.99



**Suction-cup mount**

For mounting radar or laser detector on any car windshield. Suction-cup attachment.
**270-034**..... 7.99



**Adjustable bracket**

Mounts radar or laser detector anywhere on car windshield using suction-cup design. Adjustable. **270-037, 9.99**

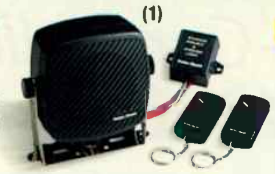
Radar detectors not offered where prohibited by law/use may be regulated by state or local laws.

World Radio History

# Auto alarms and accessories.

I Can Talk

*Radio Shack's talking vehicle alarm systems provide up to nine built-in messages to deter intruders, confirm the system's status and tell you if tampering occurred while you were away.*


(1)


(2)


(3)


(4)


(5)


1. Mount


2. Connect


3. Set


(6)


(7)

**New Dual-stage talking vehicle alarm system with starter disable**

(1) A complete system—nothing else to buy! When triggered, the system responds with a loud 102-dB siren. Has nine built-in messages to deter intruders, confirm system status and tell you if tampering occurred. With two keychain remotes. **49-741** ..... **129.99**

**New Dual-stage talking alarm system with easy 2-wire installation**

(2) High-tech alarm installs in just minutes. When triggered, system responds with a loud 102-dB siren. Has eight built-in messages to deter intruders, confirm system status and tell you if tampering occurred. With two keychain remotes. **49-740, 99.99**

**New Alarm with shock/motion system and starter disable**

(3) System provides maximum protection and comes complete—nothing else to buy. Built-in shock/motion sensor with adjustable sensitivity activates alarm before intruders gain entry. Starter disable prevents vehicle from starting while alarm is armed. With 2 keychain remotes. **49-772**.... **99.99**

**Alarm with LED and two remotes**

(4) Excellent value! Features two extended range remotes. Automatic arming with entry and exit delays. Separate sensors to detect motion from tampering and electrical current from open door or trunk lights. Valet override. High-power siren (104 dB at 10 ft). **49-771** ..... **79.99**

**New Easy-installing vehicle alarm system with two remotes**

(5) Simple operation! Just use handy keychain remote to arm and disarm the system. One-piece unit installs by simply hooking up one wire to the car battery. Shock/motion sensor with adjustable control. With 2 keychain remotes. **49-712** ... **69.99**

**One-wire easy-install car alarm**

(6) Just mount the siren, connect one wire, set the sensitivity level you desire and your high-tech auto-alarm system is ready for use—all in 10 minutes or less. Includes 2 keychain remotes, each featuring arm, disarm, panic and locator buttons. Piercing 127-dB siren. **49-731** ..... **69.99**

**Safety Back-Up Alert® light and alarm**

(7) Even careful drivers can't avoid what they can't see. Back-Up Alert lets you warn others with a flashing light and "beep-beep" whenever your car is in reverse. Installation is as easy as changing a light bulb. **#1156 style bulb, 272-1525** ..... **21.99**
**#3156 style bulb, 272-1526** ..... **21.99**



**Alarm with starter disable and pager**

Complete vehicle security with some of the most advanced features available. Upon activation, alarm automatically disables starter, making theft virtually impossible. Includes pager to alert owner if a break-in takes place. Omnidirectional motion sensor activates alarm before the thief gains entry. Blinking LED light inside car acts as a visible deterrent to thieves. Alarm override for valet parking service. Includes two keychain remotes. **49-722**.....**199.99**

*Question:*
*What are dual-stage alarms?*
*Answer:*
*They feature two-step triggering to prevent false alerts. If someone tries to break into your car, the system will first broadcast a warning message, then sound the alarm if tampering continues.*
*Question:*
*What is valet override?*
*Answer:*
*It turns off automatic arming for valet parking, car service, and other times when you do not want the system to arm.*



**Extra-loud 2-sound alarm siren.** Mounts easily under hood. Requires 12VDC at 500 milliamps. **49-488, 22.99**



**Electronic shock/motion sensor.** Quick response, extremely low current drain. With instructions, easy installation. **49-630**..... **12.99**



**Short pin switches.** Triggers alarm when switched. For limited space. Solderless lug terminals for easy installing. **49-508**...**Pkg. of 2/2.99**



**Long pin switches.** Easy and effective way to add extra protection to your car alarm system. Crimp-style connector. **49-509**...**Pkg. of 2/2.99**



**Window switch.** Ideal for sliding truck windows or for use with garage or home doors and windows. Very effective. **49-533**..... **5.99**




**Window decals.** A clever way to deter theft without spending a lot of money. Place on car, home—anywhere. **49-507, Pkg. of 4/1.29**

## Vehicle Alarm Chart

| Cat.No. | Current Sense | Shock Sense | Keychain Remotes | Remote Range | Passive Arm | Passive Disarm | Panic | LED | Remote Codes | Car Locator | Starter Disable | Valet | Pager | Fanwire | Dual Stage | Voice | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49-731 | ✔ | ✔ | 2 | Extend | | | 1 Button | | 2,100 | ✔ | | | | | ✔ | | 69.99 |
| 49-712 | ✔ | ✔ | 2 | 100 | | | 2 Button | ✔ | 2,100 | | | | | ✔ | | | 69.99 |
| 49-771 | ✔ | ✔ | 2 | Extend | ✔ | ✔ | 2 Button | 3 Color | 59,000 | | | ✔ | | ✔ | | | 79.99 |
| 49-772 | ✔ | ✔ | 2 | 100 | ✔ | ✔ | 2 Button | 3 Color | 59,000 | | ✔ | ✔ | | ✔ | | | 99.99 |
| 49-740 | ✔ | ✔ | 2 | 100 | ✔ | ✔ | 2-Button | 3-Color | 59,000 | | | ✔ | | ✔ | ✔ | ✔ | 99.99 |
| 49-741 | | ✔ | 2 | 100 | ✔ | ✔ | 2-Button | 3-Color | 59,000 | | ✔ | ✔ | | | ✔ | ✔ | 129.99 |
| 49-722 | ✔ | ✔ | 2 | 50 | ✔ | | 2-Button | ✔ | 59,000 | ✔ | ✔ | ✔ | ✔ | | | | 199.99 |

Sales of sirens for mobile use prohibited in CA and certain other states. Alarm systems for 12VDC neg. gnd. Some systems may qualify for insurance discount. Ask your agent.

World Radio History

# High-performance action on wheels.




Crushed cars not included

## Radio-Controlled Action and Fun

*We're America's leading retailer of RC vehicles. From rugged-terrain 4-wheelers to sleek, speedy racers, we offer you a fabulous selection in every price range. All are designed for performance and durability. Different control frequencies on some models let you compete against others.*

### Car Crusher/Rock Runner



Two cars in one! Switch bodies for a whole new look. With big oversized wheels and rugged design to handle the roughest terrain. Spring suspension really absorbs bumps. Digital-proportional steering. Cruise along at 710 feet per minute—control from nearly 200 feet away. 17 1/10" long. 27MHz. Requires 7.2V pack and 6 "AA" batteries. **60-4133** ..... **149.99**




**New**

### RS Racing Team 18-wheeler

Get behind the wheel of your very own big rig. This 18-wheeler looks just like the big ones. Remote control trailer latch allows tractor to hook-up or drop off the trailer. Tractor has seven functions and working headlights to light the way down the open road. 26 3/8" long. Requires 2 9V and 4 "C" batteries.
**60-4156** ..... **59.99**



**New** **Turbo Thruster**

Speed! Speed! Speed! This racer has digital-proportional steering and low-profile racing tires. Spring suspension really smooths out the road. Tackle hills with a 35° incline. Really flies at 1350 feet per minute. 17 3/8" long. 27MHz. Requires 7.2V pack and 10 "AA" batteries.
**60-4153** ..... **99.99**



**New** **Black Phantom II**

Heavy-duty truck! Features spring suspension to tackle the roughest of roads. Blazing speed on the straightaways and climbing power on the hills. Cruises along at 820 feet per minute. Comes in 27MHz with digital-proportional steering. 17" long. Requires 9.6V pack and 6 "AA" batteries. **60-4155** ..... **99.99**



**New** **Black Wolf II**

Precision control combined with speed! Digital-proportional steering for excellent control. You can tackle the steepest hills with this car—it can climb 45° inclines. Spring suspension absorbs the bumps for a smooth ride. 27MHz. 15 5/16" long. Requires 9.6V pack and 6 "AA" batteries.
**60-4154** ..... **79.99**



**New** **Flying Arrow II**

Aim it at the finish line and let it fly. Features a high gear for blazing speed and a low gear for road-grabbing power. Spring suspension. Sleek design and 7-function remote controller. Comes in 27 and 49MHz. 15 1/2" long. Requires one 9V and 8 "AA" Ni-Cd batteries.
**60-4150** ..... **69.99**

## Power-up your RC car



### DC fast charger

Connect to a 12VDC auto battery to charge a 7.2-volt RC Ni-Cd battery pack in 20 minutes. **23-232** ..... **29.99**



### AC/DC fast charger

Use 120V house current or 12VDC auto battery to charge 7.2 or 8.4-volt RC Ni-Cd battery pack in 30 minutes or less. **23-235** ..... **69.99**



### Ni-Cd battery packs and chargers

**9.6V battery pack. 23-229** .... **19.99**
**7.2V battery pack. 23-230**..... **19.99**
**6V battery pack. Tyco. 23-228** . **14.99**
**4.8V battery pack. 23-245**..... **10.99**
**Charger.** For 9.6V pack. **23-240, 9.99**
**Charger.** For 7.2V pack. **23-241, 9.99**
**Charger.** For 4.8V pack. **23-244, 9.99**
**Charger.** For cars with charging jack. **23-249** ..... **6.99**




### Desert Viper

This is one big and powerful racer—19 1/4" long! Designed for speed on any terrain, it blazes along straightaways at up to 1170 feet per minute. With 4-wheel drive action, you can conquer hills with 40° inclines! Cruise smoothly over rocky terrain—spring suspension absorbs all the bumps. 27MHz controller works from nearly 200 feet away. Requires 7.2V pack and 10 "AA" batteries. **60-4132** ..... **149.99**

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability)

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# Fast-paced fun for everyone.



## Hot Machine

Heat up the road with turbo and 4-wheel drive. 7-function remote. Requires 2 9V and 8 "AA" Ni-Cd batteries. 60-4127 ..... 59.99



## New Wild Runner II

4-wheel steering for super control! Turbo power. Requires 9V and 8 "AA" Ni-Cd batteries.
60-4152 ..... 49.99



## New Thunder Fox II

4-wheel drive can climb 40° inclines. High and low gears. Requires 9.6V pack and 9V battery.
60-4151 ..... 49.99



## New Flame Thrower III

You'll burn up the road. Spring suspension, high and low speeds. Requires 9V and 8 "AA" Ni-Cd batteries. 60-4149 ..... 49.99



## New Beach Burner

Features spring suspension for smooth racing. High and low gears. Requires 9V and 8 "AA" batteries. 60-4146 ..... 39.99



## Sound Bat II

Realistic motor sounds. Turbo feature gives an extra boost of speed. Requires 9V and 8 "AA" batteries. 60-4137 ..... 39.99



## New Street Comber

Truck power! Features high and low speeds plus turbo for extra power. Requires 9V and 8 "AA" batteries. 60-4148 ..... 39.99



## New American Speedster

A classic. Features high and low speeds plus turbo. Spring suspension. Requires 9V and 8 "AA" batteries. 60-4147 ..... 39.99



## New Motor City Racer

Tough and mean. With oversized tires that really grab the ground. Requires 9V and 6 "AA" batteries. 60-4142 ..... 19.99



Decals/design may vary

## New Street Duel

Own the road with this stylish racer. Turbo for an extra burst of speed. Requires 9V and 8 "AA" batteries. 60-4143 ..... 29.99



## New Sneaker III

Sneak past other racers! Features high and low speeds, spring suspension. Requires 9V and 8 "AA" batteries. 60-4144 ..... 29.99



## New Rally Challenge

This is one truck that's up to the challenge! Requires 9V and 6 "AA" batteries.
60-4145 ..... 29.99



## New Wild Boss

No one messes with the Boss! This truck with oversized tires loves to race. Requires 9V and 6 "AA" batteries. 60-4141 .... 17.99



## New Air Rammer

Moving mouth and wings clear the way for this powerful racer! Requires 9V and 2 "AA" batteries. 60-4140 ..... 14.99



## New Breeze Runner

Blows by the competition. Spring suspension. Requires 9V and 2 "AA" batteries. 60-4139 ... 12.99

| Cat. No. | Frequency (MHz) | Remote Functions | Length (inches) | Scale | Speed (Ft. per Min.) | Battery Requirements | Age Level | Price |
|---|---|---|---|---|---|---|---|---|
| 60-4139 | 27 | 2 | 6 1/2 | 1/24 | 180 | 9V, 2 "AA" | 4-up | 12.99 |
| 60-4140 | 49 | 2 | 7 1/4 | 1/24 | 180 | 9V, 2 "AA" | 4-up | 14.99 |
| 60-4141 | 49 | 3 | 8 1/8 | 1/18 | 230 | 9V, 6 "AA" | 4-up | 17.99 |
| 60-4142 | 27 | 3 | 10 1/4 | 1/18 | 300 | 9V, 6 "AA" | 4-up | 19.99 |
| 60-4143 | 27/49 | 7 | 12 | 1/15 | 690 | 9V, 8 "AA" | 6-up | 29.99 |
| 60-4144 | 27/49 | 7 | 11 | 1/16 | 600 | 9V, 8 "AA" | 6-up | 29.99 |
| 60-4145 | 27/49 | 7 | 10.6 | 1/18 | 299 | 9V, 6 "AA" | 6-up | 29.99 |
| 60-4146 | 27/49 | 7 | 12 1/2 | 1/14 | 600 | 9V, 8 "AA" | 6-up | 39.99 |
| 60-4147 | 27/49 | 7 | 14 | 1/14 | 660 | 9V, 8 "AA" | 6-up | 39.99 |
| 60-4148 | 27/49 | 7 | 14 | 1/14 | 660 | 9V, 8 "AA" | 6-up | 39.99 |
| 60-4137 | 27/49 | 7 | 13 1/4 | 1/12 | 900 | 9V, 8 "AA" | 6-up | 39.99 |
| 60-4149 | 27/49 | 7 | 14 3/8 | 1/13 | 900 | 9V, 8 "AA" Ni-Cd | 6-up | 49.99 |
| 60-4151 | 27/49 | 7 | 13 | 1/12 | 480 | 9.6V pack, 9V | 6-up | 49.99 |
| 60-4152 | 27/49 | 7 | 12 1/2 | 1/14 | 570 | 9V, 8 "AA" Ni-Cd | 8-up | 49.99 |
| 60-4127 | 27/49 | 7 | 14 | 1/14 | 660 | 2 9V, 8 "AA" Ni-Cd | 8-up | 59.99 |
| 60-4156 | 27/49 | 7 | 26 5/8 | 1/25 | 190 | 2 9V, 4 "C" | 8-up | 59.99 |
| 60-4150 | 27/49 | 7 | 15 1/2 | 1/12 | 1020 | 9V, 8 "AA" Ni-Cd | 8-up | 69.99 |
| 60-4154 | 27 | digital proportional | 15 7/16 | 1/14 | 1056 | 9.6V pack, 6 "AA" | 12-up | 79.99 |
| 60-4155 | 27 | digital proportional | 17 | 1/10 | 820 | 9.6V pack, 6 "AA" | 12-up | 99.99 |
| 60-4153 | 27 | digital proportional | 17 3/8 | 1/10 | 1350 | 7.2V pack, 10 "AA" | 12-up | 99.99 |
| 60-4132 | 27 | digital proportional | 19 1/4 | 1/8 | 1170 | 7.2V pack, 10 "AA" | 12-up | 149.99 |
| 60-4133 | 27 | digital proportional | 17.1 | 1/10 | 710 | 7.2V pack, 6 "AA" | 12-up | 149.99 |

Buy top-rated Radio Shack alkaline and Ni-Cd batteries for your radio-controlled cars.
For best value, use rechargeable Ni-Cd batteries.

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**Science Fair®**



## 300-in-one breadboard electronic project kit

Teaches you about electronic parts, how to read a schematic, how to build 300 projects without soldering, AC power or tools, and how all 300 projects work. This kit features a *breadboard*. Instead of soldering, you simply plug components and wires into the breadboard. Build electronic games, a battery checker, Morse code transmitter, a burglar alarm, motion detector and lots more. Projects like Sonic Zoo and Sound Factory let you create electronic cat, bird, and woodpecker sounds, sirens, "horror movie" sound effects, and even a plant growth stimulator. Fun for the whole family. Includes easy-to-understand illustrated manual. Requires 6 "AA" batteries. **28-270** ..... **59.99**

### The safe, easy and FUN way to learn about electronics

*Kits on these two pages use quick and easy hookup methods. All kits operate on safe battery power—no AC required.*

**Coil-spring hookup**
*Just slip precut wires and component leads into springs for a secure connection.*

**Breadboard hookup**
*Featured in the 300-in-one kit at left, this is the system used by electronics professionals. Just plug in components and wires.*

**Building-block hookup**
*Featured in the 60-in-one kit below. Electronic components are housed in "building blocks" you simply arrange and snap in.*

**Soldering hookup**
*The wireless microphone kit shown on the facing page requires a soldering iron to make permanent connections.*



## 200-in-one electronic project lab kit

Learn the basics of electricity and electronics. This kit has a sleek "outboard" control panel with analog meter. Integrated circuits for teaching computer basics. Burglar alarm and 199 other projects. Requires 6 "AA" batteries. **28-265** ..... **49.99**



## 60-in-one "building block" electronic project lab kit

Build your own transistor radio, wireless microphone, sleeping aid, lie-detector and 56 other projects. No soldering. Components are housed in blocks you simply snap into place as shown in the 82-page manual. Requires 2 "AA" batteries. **28-147** ..... **39.99**



## 75-in-one electronic project lab kit

No special tools or soldering required. Start with simple circuits and work toward more complex ones. Projects include strobe light, metronome, sound-level meter and more. Includes manual. Requires 4 "AA" batteries. **24-267** ..... **24.99**




## 30-in-one electronic project lab kit

Safe and easy! This simple electronics kit safely teaches the basics of electronics—no soldering is required. Build a radio, alarm, timer and more. There's even an earphone for private listening. Uses safe battery power. Fun for all ages. Requires 2 "AA" batteries. **28-161** ..... **15.99**



## 130-in-one electronic project lab kit

Build your own AM broadcast station, electronic organ, strobe lights, timer, logic circuits and more. Premounted parts, pre-cut wires and simple coil-spring connectors for safety. Comes with two fully integrated circuits and rotary controls. Requires 6 "AA" batteries. **28-259** ..... **29.99**



## 60-in-one electronic project lab kit

Provides the tools needed to learn the fundamentals of electronics. Teaches the basics of electricity, magnetism, physics and electronics. Build a radio, metal detector, police light, amplifier or more fun projects. With earphone. Solderless. Requires 4 "AA" batteries. **28-261** ..... **19.99**

ATTENTION SCHOOLS: Large-quantity discounts are available on Science Fair lab kits—see page 217.

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### AM/VHF radio kit

The beginning hobbyist will enjoy this do-it-yourself AM/VHF radio. You can hear AM radio stations plus air, police, weather on the VHF 108-174 MHz band. Includes earphone for private listening. Requires 9V battery.
**28-163** ..... **12.99**




### AM/FM radio kit

Follow easy directions to make a working AM/FM radio. Features a preassembled FM tuner and coil-spring connectors for easy and quick assembly. Great for beginners. No soldering necessary. With earphone. Requires 2 "AA" batteries. **28-175** ..... **12.99**




### AM/shortwave radio kit

Listen to distant shortwave and local AM stations on a kit you build yourself! Quick coil-spring assembly. Comes with an earphone for private listening and an easy-to-follow instruction manual. Requires 9V battery.
**28-176** ..... **12.99**




### Crystal AM radio kit

Build your own AM radio. Tunes local AM stations. Plays forever without batteries or AC power. It works on the same principle as the very first radios, but the crystal has been replaced with a more reliable modern diode. Includes earphone and instructions.
**28-177** ..... **6.99**



### Electrical experiment kit

Take the hands-on approach to learning about electricity and electromagnetism. Build an electric bell, motor and generator to use in experiments. Find out how a generator makes electricity. Experiment with reverse polarity. It's fun and safe. Requires 2 "AA" batteries.
**28-145** ..... **24.99**



*Shown assembled*

### FM wireless mike kit

All the components you need to build an FM wireless microphone module. Transmit sounds to any nearby FM radio—without wires. The mike is tunable from 80 to 106 MHz. Requires an "N"-type 1.5V battery. Soldering required. **28-4030** ..... **11.99**



### New Glove walkie-talkies

Glove walkie-talkies with fingertip push-to-talk button on palm. With three sound levels and built-in condenser mike. Three position flexible antenna. Each requires a 9V battery.
**60-4018** ..... **Pair 21.99**



### New Slim handhelds

Micro-size Space Patrol walkie-talkies with soft flexible antennas. Outdoor range of over 100 yards. 49 MHz. Each requires a 9V battery.
**60-4025, Pair 22.99**

### Pre-school walkie-talkies

Great for campouts, hikes, or fun around the house. Easy-to-use controls for young children. Each requires 9V battery.
**60-4017** ..... **Pair 19.99**





### New Super sleuth walkie-talkies

Talk/listen earphone, hands-free communication. Compact. Each requires 3 "AA" batteries.
**60-4028** ..... **Pair 29.99**



### New Headset walkie-talkie

Voice-activated—transmits when you talk into the mike, receives when you aren't talking. High/low volume switch, adjustable headband. 49 MHz. Each requires 9V battery.
**60-4023** ..... **Pair 24.99**



### New Space Patrol 2-way walkie-talkie

Buy two or more and you and your friends can stay in touch while playing outside. Features a Morse code transmit button and code alphabet displayed on the front panel. Also has a flexible rubber-duck antenna and a locking talk switch. 49 MHz. Requires 9V battery.
**60-4024** ..... **Each 10.99**

Use long-lasting Radio Shack Alkaline batteries in your Science Fair kit or Space Patrol walkie-talkies.

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# Metal detectors for fun, profit and security.




## New Our best detector! With dual LCD display and three-tone audio

**Discovery 3.** Our most sensitive detector. Designed to save you time and effort by identifying metals more accurately. It can distinguish between different types of metals and "tune out" the ones you don't want to search for. Three-tone audio discrimination sounds distinctive tones for different types of metals. Notch feature can reject pull tabs, yet still detect coins. Lightweight with arm support so you can use it comfortably for hours. Handle allows you to place on ground without detector tipping over. Stereo headphone jack. Requires 2 9V batteries. (TSP)
**63-3008** ..... **299.99**

## Radio Shack metal detectors can make treasure hunters treasure *finders!*

Our metal detectors make hunting for buried treasure easy and fun. Choose one of five models to fit your interests and budget—from our inexpensive detector for weekend fun to our new professional-quality Discovery 3 that makes it easier than ever for serious treasure hunters to distinguish valuable objects from worthless junk.

Take one to the beach, the park, anywhere you might find valuable metal objects. Search for coins, jewelry, relics and other treasures. Turn a hobby into a rewarding adventure the whole family will enjoy.




## Security Wand professional body scanner/metal detector

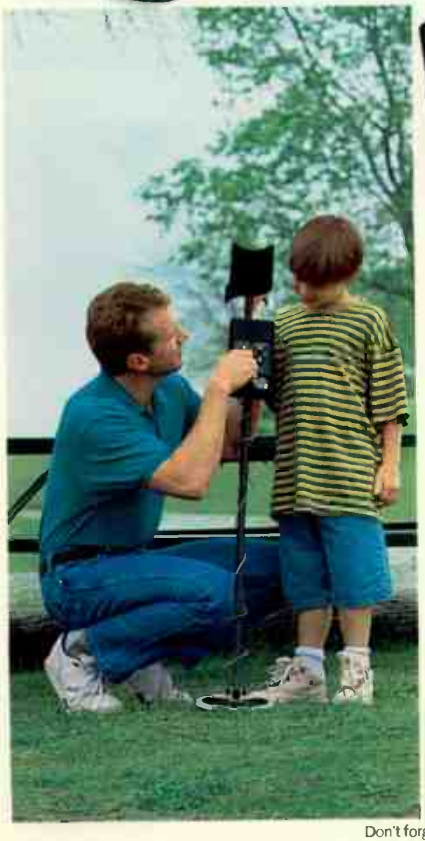
Ideal for use in public buildings, courtrooms, schools, etc. No tuning or critical positioning is required. Can detect concealed weapons or much smaller items. Responds with an audio alert and warning light. Earphone jack. 3 x 16 x 1 3/8". Requires 9V alkaline or rechargeable battery. (TSP) **63-3010** ... **99.99**

## Sensitive detector finds coins up to 8" underground

**Discovery 2.** Locate coins and metal objects. High-performance Discovery 2 can indicate large metal objects buried up to five feet deep. Its search coil is waterproof, submersible in fresh or salt water. Features a meter to indicate approximate depth of coin-sized objects, speaker and a 1/4" jack for adding headphones. (A headset saves batteries and makes it easier to hear subtle responses.) Controls let you minimize response to items like pull tabs, while boosting indications to potentially valuable objects. Low-battery indicator. Adjustable shaft with arm rest. Requires 2 9V batteries. (TSP)
**63-3004** ..... **199.99**




**Accessory search coil.** Perfect for finding gold nuggets or for coin hunting in trashy areas. Detects all metals. Smaller 4" design for tight areas. Fits 63-3008 and 63-3004 metal detectors shown on this page. (63-3009 CMC)
**RSU** 10484954 ..... **29.99**






## VLF discriminator metal detector really knows its stuff

**(1)** Very low frequency design (VLF) and discriminator circuit help to distinguish between ferrous metals (iron or steel) and non-ferrous metals such as gold and silver. Viewmeter helps determine quality of hidden metal. Waterproof search coil. Has built-in speaker, plus 1/4" jack if you want to use your headphones. Shaft length adjusts for most comfortable use. Requires 3 9V batteries. (TSP) **63-3003, 99.99**

## This affordable detector will get you started in fascinating hobby

**(2)** You're sure to find fun! Separate peak and ferrous/non-ferrous controls boost response on different types of metals. Viewmeter indicates iron content of object. Has speaker and 1/8" jack for adding an earphone to hear subtle tones. Adjustable shaft length. Requires 6 "AA" batteries. (TSP) **63-3001** ..... **39.99**

## Discriminator metal detector with auto-tune and battery test

**(3)** Auto-tune button simplifies tuning and a switch lets you check battery condition using the meter. This detector has a discriminator control, speaker, and 1/4" jack for adding headphones. Adjustable shaft length. Requires 6 "AA" batteries. (TSP)
**63-3002** ..... **59.99**

Don't forget batteries! Radio Shack sells millions every week—they're the freshest you can buy.
Items with an RSU number are available fast, delivered direct to your door from Radio Shack Unlimited™.

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# Checkmate!

*Chess—The Ultimate Mind Game*

*Enjoy the classic game of strategy with an electronic partner that teaches and challenges you every step of the way. There's one just right for any age or skill level.*

### Chess Partner—a stylish game with a sensory chessboard

A top-quality electronic chess game that's fit for a king! Enjoy chess competition on any level with this attractive table-top chess computer. A big, clear, custom LCD screen gives you a wealth of information, including the level of play. There are 16 different skill-playing-levels—including fun and puzzle levels to help you advance at your own pace. The Set-Up function lets you arrange the playing pieces any way you wish, so you can practice escaping difficult situations. And you have the option of taking back up to six moves. The 8" sensory keyboard comes with 2" tall pieces and is set in a stylish cabinet. Requires 4 "AA" batteries or AC adapter, 273-1455. (TSP)
**60-2428** ..... **69.99**

### Mega Chess blends power and style with advanced play options

This elegant, table-top chess computer will appeal to the keen chess player. Its big, clear custom LCD screen lets you view special status reports, including an evaluation of your play and the search depth of the computer. 64 different levels of play to choose from, including Blitz and Tournament. Choose the way you want the computer to respond—limit its options with Selective Search or let it play Brute Force, examining every possible option. A library of opening moves lets you face off against a variety of grand-master styles of play. Take back and replay up to 30 moves. Automatically powers down to save battery life. Requires 6 "C" batteries or AC adapter, 273-1455. (TSP) **60-2441** ..... **99.99**





### Chess Companion—inexpensive chess fun, loaded with features

A total of 64 playing levels lets you adjust the computer's strength to match your skill and style, as well as letting you progress as you learn. If you change your mind about a move, you can always take it back. The 8" sensory chessboard records all your moves, and a watch-size LCD screen lets you keep track of the game. Rule Enforcement prevents illegal moves. The built-in memory can record a game in progress for up to two years. Position Verification feature. And to save on battery wear, the game will automatically shut off the power if left unattended. Requires 2 "AA" batteries. (TSP)
**60-2439** ..... **39.99**

### Chess Champion—the game advanced enough for masters

Endorsed by chess champion Garry Kasparov! Ideal for any chess lover, from the beginner to the most accomplished. The powerful 32K program provides 64 levels of play—16 difficulty levels for standard play, 37 time-controlled play levels (including several that simulate various levels of tournament play), and 11 analysis play levels that let you learn from the computer's solutions to special chess problems. Pause feature lets you turn off the computer and continue the game later—with batteries, it remembers information for up to two years! Opening-Book Memory lets the computer respond more rapidly during the opening moves. A Help function lets you ask the computer to suggest your next move, plus you can take back and replay up to 50 moves. A special Auto-Play setting lets you learn by watching the computer play against itself. Markers let you mark crucial points in the game for later reference. LCD board display. Requires 6 "C" batteries or AC adapter, 273-1455. (TSP) **60-2254** ..... **159.99**




### New Portable Chess—the game for players on the go

Take it anywhere—a folding case makes it easy to carry to work, school or on trips. Features 64 levels of play. Position Verification lets you determine the position of the pieces in case the board is disturbed. Pause feature lets you turn off the computer and continue the game later—it's perfect for commuters. You can take back moves and try a new approach, or even ask the computer to suggest your next move. Rule Enforcement helps you learn by preventing illegal moves. Problem Setup helps you practice difficult situations. You can even play against another person and let the computer referee. Requires 3 "AA" batteries. (TSP) **60-2444** ..... **49.99**



World Radio History

# Be a player! Electronic casino games.



## New Vegas-style tabletop poker



Bring all of the excitement of Las Vegas poker into your home with this electronic desktop poker game. Both realistic and entertaining, it lets you take cards, place bets and, with a little luck, win the jackpot! Keeps up with your score automatically, displaying it during each deal. Extra-large LCD card display for easy reading. Features music effects, including a special melody when you hit the jackpot. Sound on/off switch. Requires 2 "C" batteries. **60-2487** ..... **49.99**

## New Electronic tabletop slot machine with mega jackpot

Available Oct. 1, 1995



Feeling lucky? This thrilling slot machine is like playing the "slots" in Vegas without the expenses. Wild assortment of lights and sounds—including a very special tune when you hit the mega jackpot! Extra-large LCD display. Plays with or without coins; saves coins like a bank. Sound effects on/off switch. Variable betting amounts. Requires 2 "C" batteries.
**60-2488** ..... **49.99**

Available Oct. 1, 1995



## New Tabletop blackjack

Bet you'll have loads of fun with our electronic tabletop blackjack game! Automatically displays your points on every hit and your score for each deal. Flashing light, bell, sound melody. Coins drop when you win. Requires 2 "C" batteries. **60-2485** ..... **29.99**

Available Oct. 1, 1995



## New Two-in-one slot machine

Combines realistic slot machine features with the convenience of a savings bank. Try your luck at winning points or insert coins and win them back when you hit a jackpot. Plays music and flashes its red light when you win big. Requires 2 "C" batteries. **60-2486**..... **29.99**

Available Oct. 1, 1995



## New Three-in-one poker game

Three different games! Try your luck playing draw, deuce or wild card poker. Automatically keeps up with your score for each deal. A win activates bell, flashing light and melody. Plays with or without coins. Auto power-off. Requires 2 "C" batteries. **60-2484**..... **29.99**

Available Sept. 15, 1995



## New Deluxe blackjack

For 1 player or 2. Extra-large LCD display. Use one or six decks of cards. Auto shuffling, auto power-off. Sound on/off. Requires 2 "AAA" batteries.
**60-2450** ..... **24.99**

Available Sept. 15, 1995



## New Deluxe draw poker

Hold, draw and bet just like the casino video poker machines. For 1 player or 2. Sound melodies. Auto power-off. Sound on/off. Requires 2 "AAA" batteries. **60-2449**..... **24.99**



## Two-in-one poker game

Double the action! Play straight poker or practice betting with pro poker. Flashing display and music. Includes batteries.
**60-2430** ..... **24.99**

Available Sept 15, 1995



## New LCD mini craps games

This craps game is small enough to take anywhere. One or two players. Music and flashing display. Comes with batteries.
**60-2448**..... **19.99**



## New Mini blackjack

Viva Las Vegas! Sharpen your skills before you hit the casinos. Uses full 52-card deck. Music, split function, surrender. Auto power-off. Sound on/off. Requires "AAA" battery.
**60-2445**..... **9.99**



## New Poker game

This poker machine is "legal" in all 50 states! Uses full 52-card deck. Sound melodies, auto power-off. Automatically keeps score. Sound on/off. Requires "AAA" battery.
**60-2447** ..... **9.99**



## New Slot machine

Play the "slots" anywhere with your own slot machine. Automatically keeps score and point count. Sound melodies, auto power-off. Sound on/off. Requires "AAA" battery.
**60-2446** ..... **9.99**



## Poker game keychain

Nifty keychain features sound effects and melody for winning hands. Automatic shutdown. Easy-to-read keys. Battery included. **60-2429**..... **9.99**

For entertainment only, not for gambling purposes. Always use top-rated Radio Shack batteries for best results.

World Radio History




**New Pocket-sized UNO® game**

Now you can take all the excitement of your favorite game, UNO, anywhere you please—slips easily into your pocket. Sound effects can be turned on or off. Up to four players. Inside jacket shows the different cards and scoring methods. Big, easy-to-see LCD. Includes batteries.
**60-2483** ..... **24.99**






*Available Sept. 30, 1995*

**New Six-in-one handheld game**

Six fun and challenging games all in one unit. 1, 2 and 3 are action-packed Space War Shooting games, and 4, 5 and 6 are fun Pinball Master games—all are great at testing your concentration and hand-eye coordination. Fun for all ages. Handy size for easy carrying. Requires 2 "AAA" batteries. **60-2494** ..... **19.99**



**Helicopter attack**

Fly your attack chopper and vanquish your foe. Drop bombs and fire missiles against hostile helicopters and ground fortresses. Three different games with three skill levels. Sound on/off button. Requires 2 "AA" batteries.
**60-2460** ..... **14.99**



*Available Sept. 30, 1995*

**New Sonic speedway**

Fly down the asphalt at hair-raising speeds while strategically steering your way past crafty opponents. Three challenging game levels, mute button, exciting road-racing sound effects. Requires 2 "AA" batteries.
**60-2493** ..... **14.99**



**New Quick touch game**

Choose between four different educational games to play with up to four players! LCD display shows current scores. Volume lets you adjust the sound to your preference. Plays 12 different musical notes. Requires 4 "AA" batteries. **60-2489** ..... **29.99**



**New 12 games in 1**

You'll enjoy the fun and convenience this little entertainer gives you! Lets you choose between 12 different action-packed games for hours of non-stop fun. Perfect for occupying kids during car travel. Requires 4 "C" batteries.
**60-2495** ..... **19.99**




**Pocket repeat**

Really tests your memory skills! This game flashes colored buttons and sounds musical tones, then challenges you to repeat the same pattern it played. Four skill levels. Requires "9V" battery.
**60-2482** ..... **11.99**



**Handheld pinball game**

Arcade pinball fans will love this game! Eight skill levels and patterns to choose from. Flashing light, flipper controls, bell, sound effects, lifelike vibrations. Requires 2 "AA" batteries.
**60-2481** ..... **19.99**




*Available Sept. 30, 1995*

**New Fire engine game**

A "sure-fire" way to have lots of fun! Compact entertainer has two "hot" game levels. On/off sound control, exciting fire alarm sound, flashing red light. Includes batteries.
**60-2492** ..... **9.99**




*Available Sept. 30, 1995*

**New Ambulance game**

"Helping" people has never been so much fun! Choose between two skill levels. On/off sound control, exciting ambulance siren sound, flashing red light. Includes batteries.
**60-2491** ..... **9.99**



**Learning Computer II**

Sure, this intelligent playmate is educational, but it's incredibly fun, too! It teaches kids math, spelling, reading and logic skills in a way that is fun and exciting. Provides 10 different educational lessons that children—4-years old and up—find challenging. Built-in handle for easy carrying. Requires 2 "AA" batteries.
**60-2435** ..... **19.99**




*Available Oct. 31, 1995*

**New Talking little teacher**

This electronic instructor with a friendly computer voice provides fun lessons that will help children sharpen their skills in spelling, math and music. Has 200 vocabulary words and 16 different activities. 10 character display. For 1 or 2 players. With handle for easy carrying. Requires 4 "AA" batteries or AC adapter #273-1455. **60-2490** ..... **49.99**

UNO is a registered trademark of International Games, Inc., a Mattel Company.
Shop Radio Shack early this Christmas for the best selection of toys and games.

World Radio History

# Radio control toys and novelty radios for fun.

## Kids' Stuff!

*Easy-to-use remote control toys let kids control the action. And they can take and make the music with radios, cassette players and cassette recorders—all designed with kids in mind.*



### Radio-controlled choo-choo train

Colorful little choo-choo chugs, rumbles and whistles just like a real train! Perfect for pre-schoolers. Turn it on and the motor starts, the lantern lights, and it rumbles and whistles. Make it chug forward and spin around with the easy-to-use single-button control. Requires a 9V and 4 "AA" batteries. **60-2517** ..... **19.99**



### New Radio-control Robie the Robot

*Available Sept. 15, 1995*

Robie the Robot is easy to operate and fun to watch! And you control his antics with the three-function controller. Move him forward or put him in reverse and turn him around. His head turns sideways when he changes direction. Durable and safe. Requires one 9V and 2 "AA" batteries. **60-2570** ..... **14.99**



### New RC Play Buggy with horn

Radio-controlled dune buggy has an electronic horn and a soft bumper that makes it perfect for pre-schoolers. Turn the ignition key and it makes a roaring engine sound. Multifunction forward, reverse, turn action and stop. Flexible antenna. Requires 9V and 4 "AA" batteries. **60-2572** ..... **29.99**



### New Huggable brown bear radio

This comfortable cub contains a tummy full of tunes—plays AM/FM radio just for you! The perfect companion for kids or anyone in need of a musical bear hug. Easy-to-use rotary volume and controls. Requires 9V battery. **12-163** ..... **19.99**



### New Pettable Pekinese radio

Pettable pup is ready to play. This portable pooch performs the ultimate trick—plays AM/FM radio straight from its heart! Makes a great gift for kids or someone in need of a special friend. Requires a 9V battery. **12-164** ..... **19.99**



### AM/FM bike radio with horn

Versatile bike radio lets you jam to your favorite AM or FM stations as you cruise along on your bike. It features a built-in electronic horn. With rotary tuning and volume controls and a front reflector. Mounts easily on handlebars with the included mounting hardware. Requires 4 "C" batteries. **12-453** ..... **24.99**



### New My First Sony® cassette

Walkman® AM/FM stereo cassette player has an automatic volume limiter system to protect your child's ears. It's designed just for kids with colorful styling and sturdy construction. With handy carrying strap. Stereo headphones included. Requires 2 "AA" batteries. **14-866** ..... **39.99**



### New Sing-along My First Sony

Cassette recorder with microphone lets you sing along with your favorite tapes. Big buttons in different colors make it easy to use. Additional microphone jack lets a friend sing along, too. On/off switch on microphone. Requires 4 "C" batteries. **14-8006** ..... **39.99**



### Hop in for our FM "Frog" radio

Listen in your "pad" or on-the-go. You can hear your favorite FM stations through the included earbuds or share the sound through the built-in speaker. Features rotary volume and tuning plus a flexible antenna. Belt clip and 1/8" earphone jack. Requires 2 "AA" batteries. **12-737** ..... **9.99**



### Sing-along tape recorder/player

CTR-92. Kids can use the detachable microphone to sing along with their favorite cassettes or record their own songs. With big buttons and one-touch recording. Auto-stop helps save batteries. Requires 4 "C" batteries or AC adapter #270-1650. **14-862** ..... **29.99**




### Kids' stereo tape player

CTP-73 Carry Cassette. Kids can listen to tapes in stereo with the included headphones. Big, colorful buttons are easy for little fingers to push. Auto-stop saves batteries. Handy carrying strap. Requires 2 "AA" batteries. **14-864** ..... **19.99**



### New My First Sony clock radio

Digital clock radio. Wake up to AM/FM radio or Melody Alarm. Dream bar temporarily shuts off alarm for nine more minutes of snoozing. Sliding cover for alarm/time setting. Requires 9V battery for alarm backup. **12-1606** ..... **34.99**



### New My First Sony boombox

Stereo AM/FM cassette with sing-along microphone. With tone and balance controls and cue/review to find specific sections of music. Auto-stop, dual microphone inputs. Requires 4 "C" batteries or AC adapter #270-1650. **14-865** ..... **69.99**




### Handheld Karaoke music system

Take turns singing along to your favorite cassettes! Features rotary microphone/tape balance, volume control, music/voice mixer and echo controls. Jack for adding microphone. Requires 4 "AA" batteries or AC adapter #273-1651. **14-856** ..... **39.99**

Sony, Walkman and My First Sony are registered trademarks of Sony Electronics, Inc.
Prices apply at participating Radio Shack stores and dealers. Not all items in all stores —ask about our ordering service (items subject to availability)

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# Electronic keyboards.



**New Our finest! MIDI-compatible**

**Concertmate 1500.** 61 full-size keys increase volume as finger pressure increases. Features 128 preset sounds and 128 rhythms. Real-time memory stores your compositions for playback. With four assignable pads that can be used for pitch bend. Can connect to a MIDI-equipped PC or other instrument for scoring, mixing and composing music. 32-note polyphonic sound. Requires 6 "D" batteries or adapter: AC #273-1656, DC #270-1562. (TSP) **42-4027** ..... **399.99**





**New MIDI-compatible keyboard**

**Concertmate 1100.** Can connect to a MIDI-equipped PC or other instrument. 61 touch-sensitive keys. 100 preset sounds and 100 rhythms. Real-time memory stores compositions for playback. Requires 6 "D" batteries or adapter: AC #273-1656, DC #270-1562. (TSP) **42-4026** ..... **329.99**



**Keyboard with 120 presets**

**Concertmate-950.** 61 full-size keys, 5-octave range. Features 120 preset sounds, 16-note polyphonic sound, 40 preset auto-rhythms and fill-in rhythm. Requires 6 "D" batteries or adapter: AC #273-1656, DC #270-1562. (TSP)
**42-4023**..... **249.99**

**New MIDI kit with sound card cable**

This kit has everything you need to connect your PC to the exciting world of MIDI. Features SeqMax Lite MIDI software that allows you to easily record, mix and score music on your own PC. With SoundBlaster Pro™ compatible, 15-pin MIDI sound card cable. Score, graphic editor and mixer windows. (26-379 CMC) **RSU 10508034**..... **69.99**



**New 100 sounds & auto-rhythms**

**Concertmate-680.** With 49 full-size keys. Features 100 preset sounds, 8-note polyphonic sound and 100 preset auto-rhythms. Also with auto-accompaniment system and demo tune. Requires 6 "AA" batteries or adapter: AC #273-1656, DC #270-1562. (TSP) **42-4022**..... **119.99**



**New Sound effects kids will love**

**Concertmate 570.** With sound effects and six children's tunes. The Sound Wizard Dial lets you manipulate six preset sound effects—open a creaky door or make a car race and screech to a stop. Requires 5 "AA" batteries or adapter: AC #273-1662, DC #270-1560. (TSP) **42-4025**..... **69.99**



**New Getting Started Pack**

Learn to play the fun way. Easy-to-follow illustrated manuals and current hits songbook. **51-1109**... **9.99**



**Keyboard with lesson function**

**Concertmate-470.** 32 mini keys make it compact so you can play it anywhere. Features 10 built-in demonstration tunes and 24 preset accompaniment patterns. Tempo control lets you speed up or slow down the tempo. Requires 4 "AA" batteries or adapter: AC #273-1650, DC # 270-1560. (TSP)
**42-4019** ..... **59.99**



**Great-sounding mini keyboard**

**Concertmate-380.** This mini keyboard is only 15" wide so it's easy to carry around. It features 100 sounds plus 24 accompaniments, 5 demo tunes and tempo control. With 32 mini keys and 2-note chords. Requires 4 "AA" batteries or adapter: AC #273-1650, DC #270-1560. (TSP) **42-4018** ..... **39.99**

## Special-effects lighting



**Illuma-Storm® Jr.**

Control the lightning! A high-energy field causes constant patterns of "lightning bolts" that respond to music, voice and touch. UL listed AC operation.
**42-3034**..... **44.99**



**Flashing strobe**

Add more excitement and a totally cool look to parties. Vary the flash rate to see people "freeze" or move in slow motion. UL listed AC. **42-3009**.. **34.99**



**Make a light show**

Rainbows of light! Great for creating a fun mood effect with music or just by itself. Light inside a faceted dome casts colors around the room. UL listed AC.
**42-3018**..... **16.99**




**Stand securely holds your keyboard**

Keeps your keyboard steady and secure. Sturdy keyboard stand supports up to 75 pounds so you can play your keyboard standing up, just like the pro musicians. It's quick and easy to assemble—no special tools are needed. Keyboard sold separately. **42-4050**..... **39.99**

Use Radio Shack's "factory-fresh" batteries in your keyboard, and see pages 160-161 for AC and DC adapters.

World Radio History

## You'd think that after 75 years of taking the mystery out of new technology, we'd be good at it. You'd be right—we are.

New tools for the Information Age are coming along faster and faster every day, and they're getting more complicated. You'll find the latest Information Age tools at Radio Shack; but best of all, you'll find friendly, knowledgeable sales people who'll be happy to answer your questions about these electronic marvels and assist you in making the right choice.

We have electronic organizers that look up names at computer speed, then dial the phone number at the touch of a button; schedulers with alarms to help you organize your time. At your nearby Radio Shack, you'll find dictionaries and thesauruses that pronounce words aloud, ending guesswork about the way new words should be said. There is a "palmtop" computer with sophisticated tools like a word processor and electronic spreadsheet. And we have powerful electronic tools that provide sophisticated business information that would have been undreamed of just a few years ago. All these powerful Information Age electronics are on open display, waiting for you to try out.



# Got Questions About Organizers, Calculators or Electronic Books?

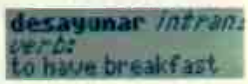
You'll find the answers at Radio Shack. If you're looking for a special information tool, you're almost certain to find it at Radio Shack.



Electronic card files



Directories with autodialing

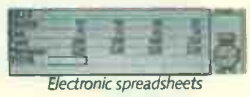


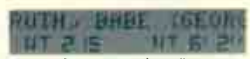
Speaking language dictionaries



Electronic Bibles


Electronic dictionary/thesaurus


Electronic spreadsheets


Sports encyclopedias



Spell checker

## We stock information electronics systems from the name brands that set the standards

**Rolodex®** has been setting the pace for office organizers for years, and after you've seen their top-of-the-line electronic organizers, you'll understand why. Choose from models with or without the famous Rolodex knob. Many have built-in auto-dialers, phonetic spelling checkers, calculators and other handy business tools. Some link to share information with other compatible Rolodex organizers or computers. Most models have expanded-entry file records—you can store an address, phone and fax number, plus many lines of notes with each name. All Rolodex organizers use the same business-card file format, so once you've learned to operate one Rolodex, all of them are familiar.



**Franklin®** is the leader in electronic reference products. We are proud to carry their full line of fine products. The newest "hot" item this year is the BOOKMAN® electronic book. We stock the major BOOKMAN models and can special order any of the domino-size "book" cartridges that are the heart of BOOKMAN technology. (See page 191 for details of this exciting new information system)





Electronic tutors help students learn faster and better.

## New Educational "smart" tools make learning difficult subjects easier

We have many products that can assist students of all ages, from first grade through college. Page 190 showcases our calculators for the early grades through middle school. Some of these have built-in arithmetic quizzes and multiplication drills to strengthen math skills. All were carefully designed to build skills in the student age groups for which they were designed. High-school and college students will find scientific calculators (page 194) that have been designed especially for their educational needs.

Students of foreign languages will really appreciate our speaking BOOKMAN translator and cartridges. Research has established that any language is learned faster if the student both hears it spoken as well as sees it written. Our speaking versions of BOOKMAN give students that extra dimension that makes learning easier. One model gives grammar assistance in two languages, and there is even phonetic spelling assistance—just enter a word the way it sounds, and the translator will correct the spelling.

## Buzz Words

### Organizers

**Pager ID**—Super handy organizer feature if you use a pager. Enter the phone number displayed on your pager. The organizer searches memory and displays the name of the caller, if the name and number is stored in the directory's files.

**Business Contact File**—Format for organizer records that lists name, address and phone numbers. Often, there is room for company name and memos. Also called Business Card file.

**Expanded Entry**—Each record can contain up to 75 or more characters and digits. Some even take several hundred characters/digits. Usually a feature of more powerful organizers.

### Scientific Calculators

**Formula Replay**—The last equation entered is stored in a special memory. You can recall the equation, change any part and re-execute it. The feature is also called Last Equation Replay.

**Mantissa/Equation**—Scientific notation used to display very large and very small numbers. Long numbers are split into two parts. The mantissa portion holds significant digits, the exponent portion tells you how many places to move the decimal. For example, 25,863,200,000,000 would be shortened to $2.58632 \times 10^{13}$ in scientific notation. 2.58632 is the mantissa, 13 the exponent.

### Electronic Reference Books

**Phonetic Spelling Correction**—You type a word the way it sounds into the electronic spell checker or dictionary. Your spelling is either confirmed or the correct spelling is displayed.

**Scrolling**—Many of our personal electronics products provide more information than can be displayed on a single screen. Screens with horizontal scrolling show characters moving across the display with new characters appearing on the right as others disappear off the left, ticker-tape fashion. There is also vertical scrolling with new lines appearing at the bottom of the display as lines move off the top.

Rolodex® is a registered trademark of Rolodex Corporation. Franklin and BOOKMAN are registered trademarks of Franklin Electronic Publishers, Inc.

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Pager extra



*IR link shares data between compatible Rolodex directories*



# Rolodex® Organizers

*We stock top-of-the-line electronic desktop and pocket organizers that set the standards for office organization.*

*Available Nov. 30, 1995*

## New 128K Rolodex® pocket organizer with pager ID and confidential data file

**EC-377**. A *must* for pager users. Enter the number displayed on your pager; if it's stored in the directory, the organizer displays the caller's name and other information. Stores up to 2,000 expanded-entry records, searches by name or company name. Confidential files are password protected. Scheduler alarm, clock with alarm, 10-digit paperless calculator, month-at-a-view calendar. IR link for file sharing. Requires 2 "AAA" batteries. **65-877**..... **99.99**

## 128K portable folding desktop office

**EC-348**. Opens up to display the neatly organized information you need for daily business tasks—closes to just $9^5/_{16} \times 6^7/_{16} \times 1^7/_8$" for carry-around convenience. Connect it to the telephone line, and you can call any number on the speed-dial list with the touch of a button.

Find any entry by turning Rolodex knob or instantly with search function. Stores up to 2,000 expanded entry records. Built-in IR link for file sharing. Requires 4 "AA" batteries. Was $149.99 in '95 Catalog. **65-840**..... **New Low Price! 139.99**



## Pocket phone directory

**EC-339**. A great traveling companion! 64K memory stores up to 1,000 expanded records. Large LCD displays 6 lines and scrolls vertically, each record having room for 60 lines of information! Easy-to-use search function finds any record instantly.

Four filing categories with data sharing between files—saves you from having to re-keyboard entries. IR transmitter/receiver shares data with other compatible directories; or add an optional interface and link to your PC. Was $99.99 in '95 Catalog. **65-939**..... **New Low Price! 89.99**



## 128K organizer with icon menu & expense manager

**EC-359**. Now you can have the same ease of use in an organizer that you have in your home PC! Just select the screen icon of the function you want and press Enter. If you get stuck, simple on-screen directions provide step by-step guidance. Expense Manager provides an effortless system for keeping track of your itemized business expenses. Stores up to 2,000 expanded entries. Scheduler alarm, calculator, clock/calendar, currency converter. IR data link, optional PC link. **65-841**..... **139.99**



## New 32K organizer with confidential data file

**EC-373**. Stores up to 500 expanded entries. Sorts and searches on either name or company name. Confidential files are password protected—great for securing bank account and credit card numbers, tax numbers, business ID numbers and other sensitive information. Scheduler with alarm; appointments are indicated on monthly calendar display. 10-digit calculator with 120-line memory. IR data link shares data with any compatible Rolodex directory. Requires 4 "AA" batteries. **65-873**..... **59.99**



## Organizer/phone dialer

**EC-342**. Reduces unnecessary "paper pushing" and saves you valuable time. Locate a name instantly with the search function or by scrolling with the Rolodex knobs, then touch a button to dial the phone number. 48K memory stores up to 700 business contact files with name/company cross referencing. An advanced 85,000-word spell checker, clock/calendar and calculator complete this handy desktop tool. IR link for sharing files with another EC-342; optional PC link. Requires 4 "AA" alkaline batteries. **65-860**..... **69.99**



## New Electronic organizer with extra-large display

**EC-378**. Attractive, practical and incredibly easy to use. When the engineers designed this organizer, they kept ordinary people in mind! Entering and finding names/numbers couldn't be easier.

Protective hard cover closes to hide alphanumeric keys, leaving the large-digit display and a mini keypad with 10 keys showing. Operation is so simple that, most of the time, the mini keypad is all you'll need to find a name, check your schedule or display the clock/calendar.

12K memory stores up to 300 names and phone numbers. Scheduler alarm reminds you of appointments. 12-digit calculator includes currency converter. **65-878**... **29.99**



## Card-size organizer

**EC-344**. Directory alphabetically stores up to 50 names and phone numbers. Finds any entry quickly with search function. Time/date appear on display when organizer not in use. Scheduler with alarm, clock/calendar, 12-digit calculator. Business card case. **65-861**..... **11.99**



## Pocket planner/directory

**EC-354**. Combines the practicality of a paper planner with the efficiency of an electronic directory. Directory stores up to 140 names, recalls entries instantly with search function. Scheduler with alarm. Paper planner organizes appointments, memos and reminders. **65-863**..... **19.99**



## Executive planner/directory

**EC-365**. Weekly paper calendar helps you organize your appointments and "to-do" lists. Directory stores up to 600 names and phone/fax number, recalls entries instantly with search function. Scheduler alarm, calculator, clock with alarm and currency converter. **65-871**..... **49.99**

Rolodex is a registered trademark of Rolodex Corporation. All Rolodex organizers and directories have low-current-drain LCD displays for longest battery life.

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# Power tools for busy people.

# Electronic Organizers




## New Take your office with you!

**PSION® 3a.** The world's best-selling palmtop computer is small enough to slip into a pocket, yet features 1 MB of RAM, a word processor compatible with Microsoft Word, a sophisticated Lotus 1-2-3® compatible spreadsheet, and a database that's a snap to use. In fact, everything about PSION is easy to use, thanks to the icons and drop-down menus throughout all levels of functions. A built-in thesaurus and spell checker have been added to this new model.

Agenda screens are the most convenient and versatile available. Time management tools include a schedule keeper with "ringing" alarm, anniversary reminder with "soft bells," and a to-do list. Optional cables let you hook up to a printer, another computer or a modem. Add the optional interface to send faxes. **25-3210** ..... **499.00**

**Parallel printer link cable.** (25-3206 CMC) **RSU 10460020** ..... **59.99**
**Serial cable/interface to PC.** (25-3205 CMC) **RSU 10460012** ..... **119.99**
Plus there are many more Psion accessories available—details in store.


*Easy-to-use drop-down menus throughout*


*Microsoft Word compatible word processor*


*Lotus 1-2-3 compatible spreadsheet*


*Scheduler/anniversary reminder with alarm*


*Phone directory with speed-dialer*



## 64K organizer with same ease-of-use as popular PC programs

**EC-356.** LCD displays icons for functions—simply select the symbol of the function you want and press Enter. Stores up to 1000 entries. Has scheduler with alarm, anniversary reminder, memo pad, monthly calendar, clock with home and world time. **65-865** ..... **79.99**

**Data transfer cable.** Links two EC-356 organizers together. (65-137 CMC) **RSU 10038123** ..... **19.99**
**PC link.** (65-848 CMC) **RSU 10279982** ..... **79.99**




*Available Nov. 30, '95*

## 32K organizer with icon menu

**EC-357.** LCD displays icons of the functions—just select symbol of the function you want and press Enter. Stores up to 500 entries and recalls names instantly with easy-to-use Search function. Calendar, scheduler with alarm, clock with home and world times. 10-digit calculator, memo pad. **65-866** ... **59.99**
**Data transfer cable.** Links EC-357 to another EC-357. (65-137 CMC) **RSU 10038123** ..... **19.99**
**PC link.** (65-848 CMC) **RSU 10279982** ..... **79.99**

## New Organizer with spell checker

**EC-369.** Pocket powerhouse features a 400-name directory, 80,000-word phonetic spelling checker, clock/calendar, 12-digit calculator and currency converter. Recall any name in the directory instantly with search function, or scroll though alphabetized list. Easy-to-use spell checker—just enter the word the way it sounds and get back the correct spelling. **65-882** ..... **39.99**





## Personal organizer/scheduler

**EC-212.** Stores more than 250 entries—name, company name, address, phone and fax numbers. Searches for entries by either person's name or company name. Finds names instantly with Search or by scrolling. Scheduler with alarm keeps you on time for appointments. Date and time display, world-time clock, home time with alarm, calendar, 10-digit calculator. **65-830** ..... **39.99**




## Directory "tells" the number

**EC-353.** Incredibly convenient—find the name you want instantly with the easy-to-use Search function, then touch a button. The talking directory announces the phone number out loud so you can dial in a single, smooth operation, without having to recheck the number. Also has scheduler with alarm, 12-digit calculator, clock/calendar and currency converter. **65-852** ..... **34.99**

## New Pocket data organizer with scheduler and phone dialer

**EC-379.** Carry the convenience of an electronic desktop dialer with you anywhere you go! Stores up to 600 complete business card entries—name, address, phone/fax numbers, and notes. Instantly recalls names with easy-to-use Search function. To dial the number, simply hold near the phone's mouthpiece and touch a button. Works with any Touch-Tone phone. Scheduler alarm keeps you on time for appointments. Memo pad, 10-digit calculator, world time, clock/calendar. **65-876** ..... **69.99**
**PC link.** (65-850 CMC) **RSU 10288553** ..... **49.99**

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Items with an RSU number are available fast, delivered direct to your door from Radio Shack Unlimited.

World Radio History

# Organize your life electronically.



## New Powerhouse 5-in-1 organizer with financial calc

**EC-360.** Packed into one compact tool, you get: a financial calculator with built-in formulas for computing present and future value, interest rates, and payment amounts for loans or savings; a scientific calculator with trig functions, metric and currency converters; a phone directory that stores up to 50 names in alphabetical order; a clock/calendar; a scheduler with alarm to keep you on time for appointments; plus a world time clock. There's also a handy function that calculates the number of days between two calendar dates. **65-868** ..... **34.99**



## Data directory and calculator

**EC-328.** Handy card-sized phone directory with built-in calculator slips easily into a pocket or purse. Automatically stores up to 50 names and telephone numbers alphabetically. Locates names instantly with the search function or by scrolling. Built-in currency and metric converters. **65-944** ..... **12.99**



*Available October 30, 1995*

## New Personal phone directory with 80,000-word spell checker

**EC-367.** So handy you'll take it everywhere. Stores up to 50 of your friends' names and phone numbers, recalls names instantly with search function. Easy-to-use phonetic spell checker—enter a word the way it sounds, get back the correct spelling. Also has currency converter and calculator. **65-881** ..... **29.99**



## Organizer with account manager

**EC-355.** A handy tool to help you organize your busy life. Stores up to 500 names and phone numbers alphabetically. The account manager holds up to six bank or credit-card accounts. Scheduler alarm, clock/calendar, 12-digit calculator, currency converter, password protection. **65-864** ..... **29.99**



## New Personal organizer with clock/calendar display

**EC-358.** Alphabetically stores up to 100 names and numbers. Recalls names instantly with search function or by scrolling. Scheduler with appointment alarm. Six memories for storing password protected bank/credit-card balances. Currency converter. **65-867** .. **19.99**

## Organizer Chart to Help You Make an Informed Comparison/Selection

Many of our organizers feature expanded entries. Expanded entries let you store *complete records* in a directory, not just a name and phone number. Each expanded-entry record stores a full name, complete address, multiple phone and fax numbers, plus several lines for notes. Look for the asterisk (*) in the column under Maximum Number of Names.

| Catalog No | Model No. | Page No. | Spell Checker | Icon Menu | Phone Dialer | Maximum Number of Names | Search by Name or by Firm | Memo Pad | Bank Account & Credit Card Memories | Sched. Alarm | Anniversary Reminder | Clock/ Calendar | World Time | Currency Converter | Link to Organizer | Link to Computer | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65-861 | EC-344 | 187 | | | | 50 | Name | | | ✔ | | Both | | ✔ | | | 11.99 |
| 65-944 | EC-328 | 189 | | | | 50 | Name | | | | | | | ✔ | | | 12.99 |
| 65-867 | EC-358 | 189 | | | | 100 | Name | | ✔ | ✔ | | Both | | ✔ | | | 19.99 |
| 65-863 | EC-354 | 187 | | | | 140 | Name | | | ✔ | | Both | | ✔ | | | 19.99 |
| 65-881 | EC-367 | 189 | ✔ | | | 50 | Name | | | | | | | ✔ | | | 29.99 |
| 65-878 | EC-378 | 187 | | | | 300 | Name | | | ✔ | | Both | | ✔ | | | 29.99 |
| 65-864 | EC-355 | 189 | | | | 500 | Name | | ✔ | ✔ | | Both | | ✔ | | | 29.99 |
| 65-868 | EC-360 | 189 | | | | 50 | Name | | | ✔ | | Both | ✔ | ✔ | | | 34.99 |
| 65-852 | EC-353 | 188 | | | | 250 | Name | | ✔ | ✔ | | Both | | ✔ | | | 34.99 |
| 65-830 | EC-212 | 188 | | | | 250* | Name/Firm | | | ✔ | | Both | ✔ | | | | 39.99 |
| 65-882 | EC-369 | 188 | ✔ | | | 400 | Name | | | | | Both | | ✔ | | | 39.99 |
| 65-871 | EC-365 | 187 | | | | 600 | Name | | | ✔ | | Both | | ✔ | | | 49.99 |
| 65-873 | EC-373 | 187 | | | | 500* | Name/Firm | ✔ | ✔ | ✔ | | Both | | | ✔ | | 59.99 |
| 65-866 | EC-357 | 188 | | ✔ | | 500* | Name/Firm | ✔ | | ✔ | ✔ | Both | ✔ | | ✔4 | ✔2 | 59.99 |
| 65-876 | EC-379 | 188 | | | ✔ | 600* | Name/Firm | ✔ | | ✔ | | Both | ✔ | ✔ | ✔ | ✔3 | 69.99 |
| 65-860 | EC-342 | 187 | ✔ | | ✔ | 700* | Name/Firm | ✔ | | ✔ | | Both | | | ✔ | ✔1 | 69.99 |
| 65-865 | EC-356 | 188 | | ✔ | | 1000* | Name/Firm | ✔ | | ✔ | ✔ | Both | ✔ | | ✔4 | ✔2 | 79.99 |
| 65-939 | EC-339 | 187 | | | | 1000* | Name/Firm | ✔ | | | | Calendar | | ✔ | ✔ | ✔1 | 89.99 |
| 65-877 | EC-377 | 187 | | | | 2000* | Name/Firm | ✔ | ✔ | ✔ | | Both | | | ✔ | ✔1 | 99.99 |
| 65-840 | EC-348 | 187 | | | ✔ | 2000* | Name/Firm | ✔ | | | | Calendar | | ✔ | ✔ | ✔1 | 139.99 |
| 65-841 | EC-359 | 187 | | ✔ | | 2000* | Name/Firm | ✔ | ✔ | ✔ | | Both | | ✔ | ✔ | ✔† | 139.99 |

**1** Requires optional PC interface (With 3½" floppy disk, 65-132A CMC, RSU 10436855. With 5¼" floppy disk, 65-132B CMC, RSU 11388691). **2** Requires optional PC interface (65-848 CMC, RSU 10279982). **3** Requires optional PC interface (65-850 CMC, RSU 10288553). **4** Requires optional cable (65-137 CMC, RSU 10038123). †Available (CMC) November 30, 1995.

Our directories have low-drain LCD displays for longest battery life.

World Radio History

# Data organizers for kids.



MAGIC BEAM

## New Hoop Commander with Magic Beam™

**EC-376.** Challenge a friend to a basketball shooters' tournament! Magic Beam is invisible and links your Hoop Commander with a friend's for a fast-paced game of basketball. Directory stores up to 110 names, addresses and phone numbers. Draw fun faces to go with the names. Messages in 10 languages. World-time and home-time clock. Scheduler alarm keeps you on time for appointments. Requires 2 "AAA" batteries. **65-838** ..... **99.99**

*Avail. Oct. 15, '95*



MAGIC BEAM

## New My Super Magic Diary™

**EC-374.** Store up to 110 of your friends' addresses and phone numbers, and give them really silly faces. Find any name instantly with easy-to-use Search function. Send messages to a friend's diary on the Magic Beam in any of 10 languages. Scheduler keeps you on time for appointments. Electronic memo pad, Pet Life Action, clock with alarm and 10-digit calculator. Choose a secret password only you know, and lock your secrets away. Requires 2 "AAA" batteries. **65-837** ..... **79.99**

*Avail. Oct. 30, '95*



MAGIC BEAM

## New Organizer designed especially for kids

**EC-371.** My Message Sender Diary™ holds up to 75 of your friends' names and phone numbers. Names are recalled instantly with Search function. Health meter gives advice based on your height and weight. Has Magic Beam Secret Sender™. Only you know the secret password that can unlock My Magic Diary. Requires 2 "AAA" batteries.
**65-835** ..... **49.99**

*Avail. Oct. 15, '95*

**Data Directories**

My Magic Diary directories feature a clock with alarm, scheduler to help you organize your time, and calculator.

| Model No. | Cat. No. | Number of Names | Schedule Alarm | Portrait | Match Maker | Magic Beam | Calendar Clock | Memo Pad | Number of Languages | Secret Password | Special Features | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EC-368 | 65-834 | 40 | ✔ | ✔ | ✔ | | ✔ | | 3 | ✔ | 2 games | 19.99 |
| EC-372 | 65-836 | 75 | | ✔ | ✔ | | ✔ | | English | ✔ | Vanity mirror | 29.99 |
| EC-371 | 65-835 | 75 | | | | ✔ | | | English | ✔ | Health meter | 49.99 |
| EC-374 | 65-837 | 110 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | 10 | ✔ | Pet Life Action | 79.99 |
| EC-376 | 65-838 | 110 | ✔ | ✔ | | ✔ | ✔ | ✔ | 10 | ✔ | Shoot/Jam Game | 99.99 |

# Data for kids

MAGIC BEAM




### Magic Beam sends messages

Your Magic Diary can use an invisible beam of light to silently exchange messages with a friend's Magic Diary up to 25 feet away!



## New My Private Diary™

**EC-372.** Store up to 75 names and phone numbers; recall any name instantly with Search function. Create portraits of your friends and store them with their names. Scheduler reminds you of birthdays, homework assignments, appointments. Comes with activity cards, photo holders. Calendar and clock. **65-836** ..... **29.99**



## New My Own Diary™

**EC-368.** Stores up to 40 names with phone numbers, recalls names instantly with easy-to-use Search function. Six funny face combinations. Scheduler alarm, 10-digit calculator, clock with alarm. Games include Hangman and paper-scissors-stone.
**65-834** ..... **19.99**

# Calculators especially for kids




## New Fun calc back to school kit

**EC-454.** Calculator has keys that are just right for little fingers. Includes the supplies a youngster needs for school—dinosaur eraser, happy frog pencil, sharpener, plus a ruler with stencil guides for drawing fun shapes. Dual powered. Sturdy slide case. **65-896**..... **9.99**



## Dual-powered calculator/pencil box with color-coded keyboard

**EC-2022.** Oversize keys are color-coded to make it easy for little scholars to distinguish between keys for numbers and those for functions. Box has ample room for pencils, sharpener and an eraser (not included). **65-525** ..... **12.99**



## New Fraction and decimal calc

**EC-2035.** Displays fractions in the familiar fractional format with the numerator above denominator. Students work directly with the same symbols they see in the classroom, makes learning fractions easier. **65-529** ..... **19.99**



## New Math tutor

**EC-2033.** Displays problems in the same format students see in their textbooks and classrooms, making arithmetic easier to understand. Generates quizzes to strengthen math skills. Requires 2 "AAA" batteries. **65-528** ..... **34.99**




## Kids' talking math calculator

**EC-2028.** Youngsters enjoy doing the same spoken math drills that teachers use in classrooms. Multiplication tables and arithmetic quizzes are displayed and spoken aloud. Requires 2 "AA" batteries. **65-526**.... **29.99**



## Fun 'n Numbers kids' first calc

**EC-2029.** Number-shaped keys and easy-to-read display make calculating an adventure! Keyboard with widely spaced keys helps little fingers find the right ones. Requires "AA" battery. **65-527** ..... **9.99**

My Super Magic Diary, My Message Sender Diary, My Magic Diary, Secret Sender, Hoop Commander and Magic Beam are trademarks of Casio Computer Co., Ltd.

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Apple Inc. Exhibit 1014 Page 176




## B·O·O·K·M·A·N

### A visionary new concept

*Each Bookman model contains a built-in, best-selling reference work, plus the exclusive Bookman cartridge slot. This unique feature lets you add a book simply by inserting a Bookman cartridge into the slot. Replacing one domino-size cartridge with another takes just seconds.*

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Now when you look up a new word, you can hear it pronounced out loud! Has 274,000 definitions, 496,000 synonyms, phonetic spelling correction, SAT word list, crossword puzzle solver. With Bookman cartridge slot. Requires 4 "AAA" batteries.
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### New Dictionary and thesaurus

This handy desktop electronic reference book provides 274,000 definitions, 496,000 synonyms, 83,000-word spelling checker, SAT word list, 11 word games, and crossword puzzle solver. Type size can be adjusted up or down. With Bookman cartridge slot. Requires 4 "AAA" batteries. **63-2101** ..... **79.99**



### New Spanish English dictionary

A powerful learning tool! Translates 250,000 words between Spanish and English, and displays full inflections of verbs, nouns and adjectives. Gives grammar assistance in both languages. Built-in phonetic spell checker. With Bookman cartridge slot. Requires 4 "AAA" batteries.
**63-2102** ..... **79.99**



### Just a Few of the Many Bookman Cartridges Available

**Merriam Webster Dictionary/Thesaurus.** (63-2120 CMC) **RSU 11385325** ..... **39.99**
**Merriam Webster Advanced Dictionary and Thesaurus.** (63-2121 CMC) **RSU 11385333** ..... **49.99**
**King James Bible.** Complete Old and New Testaments. (63-2122 CMC) **RSU 11385341** ..... **59.99**
**NIV Bible.** (63-2123 CMC) **RSU 11385358** .. **59.99**
**4,000 Bible Questions.** Great for Sunday school classes. (63-2140 CMC) **RSU 11405594** ..... **29.99**
**Concise Columbia Encyclopedia.** Over 12,700 articles. (63-2124 CMC) **RSU 11405495** ..... **79.99**
**Parents' Emergency Medical Guide.** Infants to teens. (63-2125 CMC) **RSU 11405503** ..... **44.99**
**Movie Views.** Reviews 5000 movies available on video. (63-2131 CMC) **RSU 11405545** ..... **44.99**
**Bartender's Guide.** Over 2,200 drink recipes. (63-2127 CMC) **RSU 11385366** ..... **44.99**
**Parker's Wine Guide.** More than 7,500 wines. (63-2128 CMC) **RSU 11385374** ..... **44.99**
**Baseball Encyclopedia.** Over one million statistics. (63-2136 CMC) **RSU 11385382** ..... **44.99**

**Cartridges for speaking Bookman models**

**Speaking Dictionary and Thesaurus.** Pronounces 83,000 words out loud. 274,000 definitions, 496,000 synonyms, and a 83,000-word spell checker. (63-2137 CMC) **RSU 11405560** .. **99.99**
**Speaking Spanish/English Dictionary.** It's much easier to learn a language when you both see the words and hear them spoken. 250,000 translations. (63-2138 CMC) **RSU 11405578** ..... **99.99**

**These and many more titles available at your nearby Radio Shack through fast special order**

## More reference tools



### New Dictionary with spell checker & calc

Pocket-size 70,000-word dictionary has spell checker, memory for bank or credit-card accounts, multi-function calculator, currency and metric converter functions. Auto-power off saves included batteries. **63-927** ..... **24.99**




### Spell checker and crossword solver

Advanced phonetic spell checker helps with "sound-alike" words and hyphenation. Built-in crossword puzzle helper—just enter the known letters of a word. You get back a list of words that fit. Requires 4 "AAA" batteries. **63-677** .. **29.99**




Franklin

### Boost your Scrabble® scores

**Franklin Official Scrabble Players Dictionary.** Makes Scrabble easier, more fun. Contains more than 100,000 words and 42,000 definitions. Just enter your letters and you'll see a word list ranked by score. **63-918** ..... **49.99**
**Word Games Player. 63-919** ..... **34.99**




### Find the word electronically!

Thesaurus locates the "right" word *fast!* Provides 496,000 synonyms for 40,000 entry words, phonetic spelling for 83,000 words. Requires 4 "AAA" batteries. Was $49.99 in 1995 catalog. **63-692** .... New low price! **39.99**

### Pocket spelling checker




80,000-word phonetic spelling checker—enter a word the way it sounds and get back the corrected spelling instantly.
**63-691** ..... **29.99**

### Digital Book System

**DBS-2 with Dictionary.** Digital Book System with dictionary card. (63-2041 CMC) **RSU 11269206** ..... **149.99**
**Dictionary.** (63-2024 CMC) **RSU 10279941** ..... **34.99**
**Video Companion.** Thousands of movie titles. (63-2011 CMC) **RSU 10274587** ..... **39.99**
**Word Games.** (63-2027 CMC) **RSU 10279974** ... **14.99**
**Handbook of Adverse Drug Interaction.** (63-2017 CMC) **RSU 10274595** ..... **54.99**
**Physicians Desk Reference.** (63-2016 CMC) **RSU 10279875** ..... **129.99**
**Scrabble Dict.** (63-2012 CMC) **RSU 10279834** ... **29.99**
**Parker's Wine Guide.** More than 7,500 wines. (63-2028 CMC) **RSU 10455608** ..... **49.99**

**Many more cards available through fast special order. Visit your nearby Radio Shack for details.**

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World Radio History

# Translations and translators fit into your pocket.



*"The Franklin Bible—The fastest, surest way I've found for reference and concordance work. And it's fun."*






**New Pocket King James Bible**

Small enough to fit in a pocket, yet it has a full concordance and powerful Search function that finds scripture at computer speeds. Plus, by inserting a Bookman cartridge in the back, you can have another complete book available.
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**New Holy Bible with concordance**

**Franklin® King James Bible.** The world's best selling book in easy-to-use electronic form. A complete concordance with powerful search function looks up scripture at computer speed. Type in the word or phrase you're looking for and touch a button—in seconds the verse appears. Also looks up scripture with words having the same or similar meaning. Slot in the back accepts any of the Bookman cartridges described on page 191—your Bible becomes a reader for over 100 other books. Requires 4 "AAA" batteries.
**63-2008** ..... **99.99**

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*You'll find the newest and most exciting technology available at Radio Shack! From Franklin's handy electronic books with new Bookman technology (described on page 191) to amazing pocket language translators that show phonetic pronunciation, we have the best selection of information electronics around—come see!*

## Language Translators



*Available Nov. 30, '95*

**New Japanese, Chinese, Spanish and English**

Translates 10,500 words and 150 of the most useful phrases between the four languages. Built-in currency and metric converters. Has 10-digit calculator with memory and percent calculation. Home and world-time clocks with alarm.
**63-799** ..... **39.99**




*Available Nov. 30, '95*

**New English/Spanish with phonetic pronunciation**

Couldn't be easier to use—just enter the word or phrase in English or Spanish, press a button to translate it into the other language. Press another button to display the word or phrase phonetically; helps you say it correctly. Translates 10,500 words and 1,000 essential travel phrases.
**63-798** ..... **39.99**



*Available Nov. 30, '95*

**5-language translator**

Translates 4,000 of the most useful words among Italian, French, Spanish, German and English. World clock displays time in 128 cities. Converts US dollars to any of three currencies. Was 39.99 in 1995 Catalog.
**63-683** ..... New Low Price! **34.99**



*Available Nov. 30, '95*

**New Phrase translator**

Translates sentences of up to 32 characters between English, French, German, Spanish and Italian. Translates 15,000 words and 1,000 travel phrases. World clock for 128 major cities. Currency and metric converters, calendar. **63-936** ..... **49.99**




*Available Nov. 30, '95*

**New English/Spanish**

Translates 10,500 words between English and Spanish. Preprogrammed with 480 essential travel phrases in 10 categories. Features calculator, currency and metric converters. World clock shows the date and time for 128 cities. **63-928** ..... **29.99**




**Card-size translator**

Slip it into your pocket. So small you won't even know you've got it—until you need it. Translates 4,000 of the most useful words and 100 travel phrases between English, German, French and Spanish.
**63-666** ..... **19.99**

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World Radio History

# Calculators for special uses.



### Electronic checkbook balancing

**EC-430.** It's a snap to keep accurate records of your checking/charge accounts with this calculator. Just enter the bank and charge account transactions as they occur. Case holds register, checks, pen, credit cards. Dual powered*. **65-570** ..... **15.99**



### New Touch-screen calc

**EC-214.** There's just the LCD display and case—no mechanical buttons or switches to deal with. The display alternates between calculator and clock modes at the touch of a button. Stores tax and tip rates in a special memory. **65-572** ..... **24.99**



### New Calculator with voice memo

**EC-216.** Full-function calculator with voice memo lets you record a 20-second message and play it back with the touch of a button. Built-in microphone and speaker. Has 3-key memory and percentage key. **65-574** .. **29.99**



*Avail. Nov. 30, 1995*



### Metric conversion

**EC-352.** Just press a couple of keys to change a metric measurement to U.S. units or vice versa. 20 built-in functions to convert weight, volume, distance and temperature. Big, easy-to-read display. Sign-change key, 3-key memory. Dual powered*. **65-828†** ..... **15.99**



### Business calculator

**EC-5001.** Built-in formulas for cash flow, interest rates, amortization tables, investments, margin and more. Single and paired-variable statistics. Last-digit correction. Manual includes step-by-step instructions and many real-life sample problems. **65-874†** ..... **34.99**



### New Sales tax calculator

**EC-215.** Really handy to have along when you go shopping. Adds the sales tax to a purchase price at the press of a button. Also great for figuring the tip when eating out. Three-key memory. Percentage key. Dual powered*. **65-573†** ..... **14.99**



### Jumbo digits display time and date

**EC-448.** Handy 3-in-1 combination gives you the time and date in a fun-to-use calculator with a giant-digit display. Delta doubles as markup key. Has sign-change, square root and percent keys. Dual powered*. **65-892†** ..... **12.99**



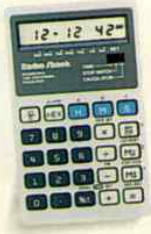
### Computer keyboard calculator

**EC-435.** Now you don't have to leave an application in order to perform calculations. Fits atop your keyboard where it's always handy. Three-key memory. Square root, sign-change, percent and memory keys. **65-826** ..... **5.99**



### Credit-card size calculator

**EC-452.** Full-function calculator slips easily into wallet or purse with your credit cards—a mere 3⅜ × 2⅛ × ⅛". Touch-sensitive keys are protected from dirt and humidity by a "film-face". Solar powered. **65-894†** .... **7.99**



### A *must* for time billing!

**EC-341.** Built-in timer keeps track of time on a task. Calculate time-log by entering hours and minutes the way you write them; calculator functions do the rest! Decimal/hexadecimal system. Was $24.99 in '95 Catalog. **65-827†** ..... New Low Price! **19.99**

## Pocket calculators



### New Folding dual-power

**EC-453.** Protective case folds to just 2¾ × 4⅞ × ⅝". Opens to full-size keyboard and display. Dual powered*. **65-920** ..... **14.99**



### Folding style

**EC-433.** Opens to provide a big, roomy keyboard for fast and easy operation. Markup. Dual powered*. **65-916** ..... **13.99**



### Folding soft-case

**EC-211.** Business card size when it's closed. Opens to a full-sized LCD display and keyboard. Markup. Dual powered*. **65-567** ..... **10.99**



### Extra-large digits

**EC-447.** Adjusta-tilt™ display with big LCD digits for the ultimate in viewing comfort. Markup function. Dual powered*. **65-891†** ..... **11.99**



### New Giant digit calc

**EC-456.** Super large digits, protective folding case. Three-key memory. Square root, markup, percentage functions. Dual powered*. **65-898†** ..... **9.99**



### Pocket-size desktop calc

**EC-438.** Display angled forward for your viewing comfort. Markup and sign-change functions. Rubber keys. Dual powered*. **65-566** .... **8.99**



### Compact size with big digits

**EC-427.** Large, easy-to-read digits. Has three-key memory, square root and percent keys. Auto-shutoff. Dual powered*. **65-895†** .... **7.99**



### Solar power calculator

**EC-443.** No batteries to buy! Three-key memory. Percentage, square root and sign-change keys. A great value! **65-597†** ..... **5.99**

*Dual powered—calculator operates on solar power, automatically switches to battery in dim light / † Comes with billfold case.

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# Scientific and programmable calculators.



## Advanced formula programmable

**EC-4044.** Design your own custom computational tool. Store up to 12 frequently used formulas, and run any of them with just a few keystrokes. You'll be able to include the most wanted functions in your stored formulas—solutions for up to fifth-order simultaneous equations, complex number calculations and more. Finds complex and real roots of a 2nd, 3rd or 4th-order polynomial. Has one and two-variable statistics, base-*n* math. 10-digit mantissa, 2-digit exponent. **65-808*** ..... **39.99**



## Powerful graphic programmable

**EC-4033.** Plot trig functions and single/paired-variable statistics. Up to 400 programmable steps; or up to 76 memories in standard or array-type format. Handles fraction calculations and base-*n* math. Formula entry/replay. 10-digit mantissa, 2-digit exponent. Hard-case cover. **65-803** ..... **49.99**

## Come in... Our Calculators Are on Display, Ready to Try Out



## Scientific with formula memory

**EC-4040.** Store an equation of up to 79 steps. Formula is displayed on-screen with alphabetic prompts. 10-digit mantissa, 2-digit exponent. **65-806** ..... **39.99**



## Features 128 physical constants

**EC-4039.** Constants for all major fields in science and engineering. Physicists, chemists and mathematicians will appreciate the precision to 12 significant digits, fraction calculations, engineering-symbol notation, complex numbers and seven memories. 12-digit mantissa, 2-digit exponent. **65-819** .. **34.99**



## Advanced scientific

**EC-4043.** Regression analysis, 2-variable statistics, and fraction calculations. 10-digit mantissa, 2-digit exponent. **65-807*, 29.99**



## Formula scientific

**EC-4027.** Store/run a formula with up to 40 steps. Integral calculus, fraction calculations. 10-digit mantissa, 2-digit exponent. **65-999*** .... **24.99**



## Dot matrix display screen

**EC-4041.** Shows more information than other displays. Complex numbers, fraction calculations. 10-digit mantissa, 2-digit exponent. **65-820**..... **22.99**



## Our best student scientific

**EC-4042.** Full trig functions, one-variable statistics. 10-digit mantissa and 2-digit exponent. **65-821*** .. **18.99**



## Affordable formula calc

**EC-4036.** Enter a formula into the programmable memory and run it anytime. 8-digit mantissa, 2-digit exponent. **65-817*** .. **17.99**



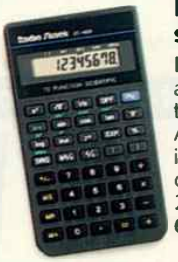
## New Student scientific

**EC-4045.** Has trig and inverse functions, one-variable statistics and base-*n* math. 8-digit mantissa, 2-digit exponent. **65-822*** ... **14.99**



## New Student big-digit

**EC-4038.** Attractive decorator colors in a protective hardcase. Complex numbers. 8-digit mantissa and 2-digit exponent. **65-818** .... **13.99**



## Basic scientific

**EC-4029.** Trig and inverse functions, logarithms. Algebraic operating system. 6-digit mantissa, 2-digit exponent. **65-816*** .. **13.99**

**Radio Shack Has Scientific Calculators for Every Need and Budget**

| Model Number | Cat. No. | Program Steps | Max. No. Memories | Graphing | Engineering Symbols | Integral Calculus | Physical Constants | Mantissa/ Exponent | Formula Replay | Complex Numbers | Fraction Calculations | Regression Analysis | 1-Variable Statistics | 2-Variable Statistics | Base-*n* Math | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EC-4029 | 65-816* | | 1 | | | | | 6/2 | | | ✔ | | | | | 13.99 |
| EC-4038 | 65-818 | | 1 | | | | | 8/2 | | ✔ | | | ✔ | | ✔ | 13.99 |
| EC-4045 | 65-822* | | 1 | | | | | 8/2 | | | | | ✔ | | ✔ | 14.99 |
| EC-4036 | 65-817* | 40 | 3 | | | | | 8/2 | | | | | ✔ | | | 17.99 |
| EC-4042 | 65-821* | | 3 | | | | | 10/2 | | | ✔ | | ✔ | | | 18.99 |
| EC-4041 | 65-820 | | 7 | | ✔ | | | 10/2 | | ✔ | ✔ | ✔ | ✔ | | ✔ | 22.99 |
| EC-4027 | 65-999* | 40 | 7 | | | ✔ | | 10/2 | | | ✔ | ✔ | ✔ | ✔ | ✔ | 24.99 |
| EC-4043 | 65-807* | | 3 | | | | 8 | 10/2 | | | ✔ | ✔ | ✔ | ✔ | ✔ | 29.99 |
| EC-4039 | 65-819 | | 7 | | ✔ | | 128 | 12/2 | | ✔ | ✔ | ✔ | ✔ | | ✔ | 34.99 |
| EC-4040 | 65-806 | 79 | 9 | | ✔ | | | 10/2 | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | 39.99 |
| EC-4044 | 65-808* | 440 | 36 | | | ✔ | | 10/2 | ✔ | ✔ | | ✔ | ✔ | ✔ | ✔ | 39.99 |
| EC-4033 | 65-803 | 400 | 76 | ✔ | | | | 10/2 | ✔ | | ✔ | ✔ | ✔ | ✔ | ✔ | 49.99 |

*Comes with billfold case. / All calculators are covered by our one-year limited warranty—see store for details.

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### 2-color printing calc

**EC-3028.** Easy-to-read 12-digit fluorescent display with 1/2"-high digits. Fast two-color printing, last-digit correction, auto 3-digit commas, delta, reference printing. Wide, comfortable keyboard.
**65-751**.....79.99



*Avail. Oct. 30, 1995*

### New 12-digit, LCD display

**EC-3030.** Feature-packed desktop at an affordable price. 2-color printing, large 12-digit LCD display. "00" key, auto 3-digit commas, large "+" and 4-key memory.
**65-753**.....49.99




### New Desktop talking calc

**EC-213.** A pleasant voice confirms every keystroke, then announces calculation results when you push "=". Volume high/low/off switch. Percent key, 4-key memory. Requires 2 "AAA" batteries.
**65-557**.....21.99



### New Big digit desktop calc

**EC-2031.** Large, easy-to-read LCD display is tilted forward to avoid glare caused by overhead lights. Has a widely-spaced keyboard for comfortable operation. Requires "AA" battery. Dual power.
**65-590**.....14.99



### Mini-size desktop calc

**EC-2030.** Compact enough to slip into a briefcase or purse, yet has a roomy keyboard for easy operation. Dual power. 3-key memory, sign-change, square root, markup and percent.
**65-589**.....11.99



### New 10-digit fluorescent

**EC-3029.** Fast printing business calculator. Bright, easy-to-read fluorescent display, 3 tax function keys, last-digit correction, "00" key, markup, auto 3-digit commas, and 4-key memory.
**65-752**.....59.99



### Stylish cordless calc

**EC-3027.** Printing calculator with a full-sized keyboard in a battery-powered desktop. Large, easy-to-read LCD, reference number printing. Requires 4 "AA" batteries or AC adapter #273-1454.
**65-974**.....39.99



### New 12-digit LCD display

**EC-2034.** Dual powered—switches from solar to battery power in dim light. Last-digit correction, four-key memory, markup function, "00", square root keys. **65-592**, 19.99




### New Big 12-digit LCD display

**EC-2032.** Adjustable display tilts forward for easy viewing; lets you avoid screen glare from overhead lighting. Dual powered—auto switches from solar to battery power in dim light. Backspace key deletes the last number key pressed. Four memory keys, markup function, grand-total key. Percent, square root and sign-change keys. **65-591**.....24.99

# America Counts On Our Calculators

*You're sure to find the calculator you need at Radio Shack. If you have questions about calcs, our knowledgeable staff can answer them and help you choose the model that's right for you.*



### Handheld printing calculator

**EC-3024.** Fits easily into a briefcase or travel bag for folks on the go—measures just 1 1/2 x 3 7/8 x 7 3/8". Impact printer uses standard 2 1/4" paper roll. Paper feeds from internal compartment or from a convenient fold-out roll holder. Requires 4 "AA" batteries or AC adapter #273-1454. **65-957**.....29.99

**Plain printing-calculator paper**

| Size | Use with | RSU No. | Cat. No. | 3-Pack |
|---|---|---|---|---|
| 2 1/4" | 65-751/752/753/952 954/957/958/959/965 966/967/968/969/970 971/972/974 | | 65-710 | 2.49 |
| 2 1/4" | 65-945/957/956 | | 65-715 | 2.99 |
| 1 1/2" | 65-666 | 10457109 | CMC 65-712 | 2.49 |
| 1 1/2" | 65-951/953/955 | 10457117 | CMC 65-713 | 2.99 |

**Thermal paper for our early models.** 2 1/2" size fits 65-643/644/645/646. 65-706.....3-Pack, 4.19

**Accessories for our #63-686 copier**

**Drum.** (63-687 CMC) **RSU 10037968**.....169.99
**Black toner cart.** (63-688 CMC) **RSU 10436848**.....99.99
Other colors also available through special order.

**Tape for Professional Labeler #63-647**

**Black on white.** (63-648 CMC) **RSU 10436822**...2-Pk./24.99
**Black on clear.** (63-649 CMC) **RSU 10436830**...2-Pk./24.99
Other colors also available through special order.

All calculators are covered by our one-year warranty—see store for details. All AC powered calculators are UL listed.
Items with an RSU number are available fast, delivered direct to your door from Radio Shack Unlimited℠.

World Radio History

# America's PC Store




## Q: Why shop Radio Shack for computers?

## A: We give you choices!

**Check out our terrific in-store selection.** At your nearby Radio Shack, you'll find a thoughtfully selected lineup of computer systems, software and accessories designed to meet the needs of today's families and business professionals.

Our selection of famous brand desktop, mini tower and notebook computers brings you the latest technologies and most popular features from respected manufacturers. And our big software selection includes the latest releases of popular titles at competitive prices.

**Choose from an expanded selection** of computers for delivery direct to your home or office door. Our Rapid Fill special-order program gives you a choice of additional models not shown in-store. Ask your Radio Shack sales associate about Rapid Fill when shopping for that extra-powerful business or multimedia machine, or for a special configuration you can't find elsewhere.

**Buy with confidence.** Each brand-name computer we sell is fully serviced and supported by the manufacturer of that brand.

## RadioShack. unlimited™

**Need something special? Radio Shack Unlimited brings a superstore to your door!**

Now you can browse a selection of thousands of computer hardware and software products and order any item for delivery to your door, anywhere in the U.S.

Stop by our in-store Radio Shack Unlimited display and open our extensive Computer Hardware/Software catalog. In it you'll find a vast array of products, including monitors and printers... hard-disk and CD-ROM drives and tape backups... math coprocessors and memory upgrades... scanners, modems, software and more — all at competitive prices, all available for delivery to your home or office.

For details on this convenient new service, see pages 4-5. Come in and discover what Radio Shack Unlimited has in store for you!

### Glossary of terms

**Applications (Application Software)**—programs that enable computers to do useful work. Examples are word processing and electronic spreadsheet programs, mailing lists, games, databases, and electronic reference programs like encyclopedias.

**Byte**—the basic building block of a computer's "language." It helps to think of a byte as a single alphanumeric character (although a byte can represent symbols other than just letters or numbers). All programs and data processed by a computer are made up of bytes.

**CD-ROM**—CD disks can store many millions of bytes of information and can play back that information very fast—fast enough to reproduce hi-fi stereo audio and animated graphics. Along with a sound board and speakers, CD-ROM is what elevates a PC to a multimedia system.

**Clock Speed**—measure of how fast a computer's processor runs. The higher the number, the faster the PC, as a general rule.

**CPU**—Central Processing Unit is the heart of a computer. Sometimes called "microprocessor" or simply "processor," the CPU routes information in and out of various parts of the computer and runs programs. Think of it as the engine that makes the computer run.

**Device Bays**—spaces in the computer where disk drives, CD-ROM drives and other devices can be mounted.

**Floppy Disks**—removable 3½" or 5¼" magnetic disks that are used to store programs and data. They provide an important way of transferring information into and out of the computer.

**GB (gigabyte)**—one thousand megabytes.

**Hard Disk**—magnetic storage device built into the computer, used to store massive amounts of data for very rapid retrieval and use by the PC.

**MB (megabyte)**—one million bytes.

**Operating system**—controls the overall operation of the computer. The most common operating systems are DOS, OS/2, WindowsNT, and Windows95.

**Processor**—see CPU above.

**RAM**—Random Access Memory is the space which application programs use to do their work. The more RAM your computer has, the more it can do, and the faster it runs.

Radio Shack. You've got questions. We've got answers.

World Radio History



**New Our best SVGA monitor with MPRII**

**VGM-510.** 15" CRT (13.7" diagonal viewable image size). Our finest Super-VGA monitor displays characters and graphics in a virtually unlimited number of colors! You'll get a sharp, flicker-free picture with a dot-pitch of .28mm. The VGM-510 is compatible with a wide variety of video standards, including VGA, Super-VGA, 8514/A and 1280 x 1024 non-interlaced graphics adapters. It has convenient front-panel digital controls. Handy on-screen display. The non-glare screen is low-static to reduce dust accumulation. Very-Low-Magnetic Field (VLMF) meets strict MPRII emission standards and reduces exposure to emissions. VESA (DPMS) Energy Star design reduces the amount of power consumption when used with a compatible computer. Tilt/swivel base. **25-4097** ..... **399.99**



**New Super-VGA color monitor**

**VGM-480.** 14" CRT (13.25" diagonal viewable image size). You have a great computer. Why not top it off with a great monitor? This Super-VGA monitor has a .28mm dot pitch to deliver stunning graphics in sharp, flicker-free detail. Features a non-glare anti-static screen with extra shielding for reduced emissions at Very Low Magnetic Field (VLMF). Compatible with VGA, Super-VGA, 8514/A, VESA VGA at resolutions up to 1024 x 768 non-interlaced. Front panel controls. Meets VESA (DPMS) Energy Star standards for reduced power consumption when used with a compatible computer. Tilt/swivel base. **25-4096** ..... **299.99**

# Move Up to a Radio Shack Monitor

*Today's advanced computers demand better PC video graphics. Radio Shack answers the call with state-of-the-art computer monitors. When it comes to monitors, we're second to none.*

## *Shop Radio Shack for the best in monitors and accessories.*

*Whether you're looking for a monitor to make the most of your computer's stunning visual capabilities or simply want a good monitor for everyday use, you'll find that Radio Shack has a monitor to match your needs and your budget.*

*Monochrome monitors are the most economical choice—great for text-based applications and basic spreadsheets. VGA color monitors are ideal for anyone who needs sharp, detailed graphics. Super-VGA offers even higher resolution modes.*

*When buying a monitor, features to look for include anti-static screens, front-panel picture controls and extra shielding at Very-Low-Magnetic-Field (VLMF). Also, note that VESA-compliant monitors have met guidelines for picture quality set by the Video Electronics Standards Association, and an MPRII rating shows that a monitor has met strict electronic and magnetic emissions standards set by the Swedish National Council for Metrology and Testing.*

*Radio Shack also carries many monitor accessories to make viewing easier, more comfortable and less fatiguing.*

*Whatever you're looking for to improve your graphics, you'll find it at Radio Shack. If you can't, just ask and we'll be glad to help you find what you're looking for.*



**Put your monitor on a pedestal**

Tilts and swivels—lets you adjust the position of your monitor for the most comfortable viewing angle. The base measures 11 x 10". **26-1369** ..... **16.99**



**Monitor-top file tray**

Reduce desk clutter and make your paper files easier to reach. Handy, space-saving tray mounts securely on top of your PC monitor. **26-330** ..... **12.99**



**Copy holder**

Tilts and swivels, lets you adjust copy for the best reading angle. Mounts on either side of your computer monitor. **26-336** ..... **4.99**



**Mesh filter**

Helps prevent eyestrain and fatigue, brought on by reflected room lighting. Improves screen contrast. Fits any screen up to 14". **26-338** ..... **19.99**

**SVGA video upgrade kit and VGA extension cable for PC**

**1MB SVGA Accelerated video board.** Get more productivity from your computer. Upgrades your PC with Super-VGA graphics for faster screen redraws. (AX2504055 NP) **RSU 10542306** ..... **119.99**

**6-foot VGA monitor extension cable DB15M/DB15F.** Makes installation easier. 6-foot cord lets you place your VGA monitor anywhere on your computer desk. (26-255 CMC) **RSU 10288496** ..... **14.99**

Protect your investment with a Tandy Service Plan—see page 217.

World Radio History

# Don't Put Off Adding **Multimedia** Any Longer—We Make it **Easy** and **Affordable!**

## Join the multimedia revolution

### Access huge volumes of information, full motion video and digital sound.

What was unheard of only a few years ago has now exploded onto the PC market—full-motion photo-quality video, digital stereo sound, access to huge volumes of information! Mainstream applications come in CD-ROM versions with multimedia help, making it easier than ever to do things like add video and sound to presentations. Thousands of references and education titles are available only on CD-ROM. Multimedia is rapidly becoming an essential function of computers.

Together with Creative Labs™, the world leader in multimedia peripherals, Radio Shack has made a commitment to make innovative multimedia packages affordable and accessible to you and your family. We offer complete multimedia kits that include the CD-ROM drive, sound board, magnetically shielded speakers, installation software and all mounting hardware. For those who want to "mix and match" separate multimedia components, we offer a wide selection of individual upgrades.

Creative Labs backs their famous Sound Blaster sound cards and all of their CD-ROM and multimedia upgrade kits with a full one year warranty. Quality creative products and famous Radio Shack service—just two reasons for you to join the multimedia revolution.

## Complete multimedia kits

### Creative Labs kits take all the guesswork out of adding multimedia to your PC system.




You know the components are going to be compatible because they were designed that way from the beginning. Buying a kit is usually less expensive than buying the components separately. Since documentation covers the kit as a whole, installation usually goes a lot smoother, too.

Creative Labs gives you everything you need to add state-of-the-art CD-ROM technology to your 386SX or faster computer. Installation is a matter of installing the sound board, then connecting the CD-ROM drive to the CD connector on the sound board and the speakers to the line-out jack. Finally, you install the driver. Creative Labs documentation makes setup and installation a snap, but, if you get stuck, there's a hotline you can call for additional help.

### Mix & match individual components to build your own customized multimedia system.

If your existing PC has enough power for multimedia—we recommend at least a 486 microprocessor with a 340MB hard disk, and a Super-VGA monitor—you can build your own customized multimedia system. Or perhaps you have some components already and just need a few more items to complete the system.

Radio Shack has a full selection of individual components—CD-ROM drives, a variety of sound boards, and amplified speakers. We can even special order most of the other brands.

Perhaps you don't need a full multimedia system, just a sound board and shielded speakers to add sound to video games or a CD-ROM drive to access a large, sophisticated financial database. We have a huge selection of multimedia components from major manufacturers available through Radio Shack Unlimited, and your CD-ROM, sound board or shielded speakers will be delivered direct to your door within a few days.

So, whatever your computing needs, Radio Shack is the place to shop for the latest PC technology and widest selection in multimedia components.

## CD-ROM drives




### CD-ROM is becoming an indispensible part of the PC experience.

Whether you want a complete multimedia system or only a CD-ROM drive to take advantage of some of the powerful new software that is available on CD discs, you'll want to shop at Radio Shack first. We provide a wide choice with features like double and quad-speed drives, multisession photo CD, manual controls and a headphone jack to let you listen to audio CDs without running software.

## Sound boards



### To join the multimedia revolution, you need a PC that can talk and sing.

Millions of computer users are adding sound boards to their PCs to take advantage of the many new entertainment and edutainment programs with hi-fi stereo sound. The business community has discovered the time-and-money savings of using applications with multimedia help features. Sound boards now offer better sound quality and fewer installation headaches than ever before.

In purchasing a sound board, there are several specs and features you should look for. The board should meet the PC Marketing Council's MPC Level 2 specification. Also, it should be able to handle MIDI recording and analog playback from an audio CD.

Protect your computer investment with a Tandy Service Plan—see page 217.

World Radio History

# Amplified multimedia speakers

## Add the crowning touch to any multimedia computer system

*Many sound cards come with on-board amplifiers that provide minimal power. To get the most from the multimedia experience, we suggest that you purchase speakers that contain their own amplifiers and plug them directly into the stereo low-level line-out jack on your sound card. In addition to being self-powered, multimedia computer speakers are magnetically shielded, so their electromagnetic field will not interfere with your monitor or hard disk.*



**New With E-Bass**

**AMX-14.** Extended Bass and 3" full-range driver deliver superior sound on video games and multimedia programs. With brackets for mounting on monitor. 6¾" high. UL listed AC adapter.
**40-1386** ..... **Pair 69.99**



**Budget priced**

**AMX-2.** Good sound and price. Extended Bass enhances lows. Includes brackets for mounting on side of monitor. 5½" high. Requires 4 "AA" batteries or AC adapter #273-1655.
**40-1359** ..... **Pair 29.99**



**Our finest**

**AMX-16.** Add to PC for exciting realism on video games, multimedia programs and voice prompts. Delivers 5 watts per channel. Full-range 4" driver. 9" high. UL listed AC adapter.
**40-1363** ..... **Pair 119.99**



**Surround effect**

**AMX-12.** Use surround-effect control to add depth. Extended bass for rich sound. 4" woofer, 2" tweeter. 7 13/16" high. Requires 8 "C" batteries, AC adapter #273-1528 or DC cord #270-1528.
**40-1361** ..... **Pair 59.99**

## Accessories & upgrades for Tandy® notebook computers

### Replacement batteries

**For Tandy 1100 FD/1110 HD.** (25-3536 CMC) **RSU 10274678** ..... 44.99
**For Tandy 1400 LT.** (25-3520 CMC) **RSU 10274645** ..... 79.99
**For Tandy 1500, 1800, 2810, 2820, 3800, 3810 and 3820 HD notebook computers.** (25-3526 CMC) **RSU 10274660** ..... 79.99
**For Tandy 2800 HD.** (25-3556 CMC) **RSU 10274702** ..... 49.99
**For Tandy 3830 SL.** (25-3579 CMC) **RSU 10274710** ..... 199.99
**For Tandy 3900, 3950, 3950C.** (AX2503584 NP) **RSU 10542280** ..... 119.99
**For Tandy 4800/4860 HD.** (25-3541 CMC) **RSU 10274694** ..... 109.99

### 2400 BPS/9600 send/receive fax/modems

**For Tandy 1500, 1800, 2810, 2820, 3800, 3810, 3820, and 3830.** (25-3532 CMC) **RSU 10276947** ..... 249.99
**For Tandy 2800 HD.** (25-3555 CMC) **RSU 10276962** ..... 139.99
**For Tandy 3900, 3950/3950C.** (25-3581 CMC) **RSU 10282804** ..... 199.99
**For Tandy 4800/4860.** (25-3542 CMC) **RSU 10451243** ..... 199.99

### Notebook accessories

**AC adapter.** For Tandy 102/200. (AX2603804 NP) **RSU 10542736** ..... 6.99
**Battery charger.** For 25-3526 batteries. Requires AC adapter. Charges two notebook batteries. (25-3537 CMC) **RSU 10274686** ..... 139.99
**Mini-trackball.** For Tandy 4800/4860HD. (25-3545 CMC) **RSU 10276954** ..... 69.99

## External and internal disk drives

**External 3.5" 720K floppy drive for EX/HX.** (25-1061 CMC) **RSU 10451227** ..... 89.99
**Internal 3.5" 720K floppy drive.** (25-1075B CMC) **RSU 11269594** ..... 109.99
**Internal 5¼" 1.2MB floppy drive.** (25-4050 CMC) **RSU 10451748** ..... 119.99
**Internal 3.5" 1.44MB floppy drive.** With 5¼" mounting kit. Fits 25-1624, 25-1632/33, 25-1640/41, 25-1651, 25-5000, 25-5140/45, 25-5160, 259-5146 through 259-5150, 259-7706 through 259-7717. (25-4054 CMC) **RSU 10445286** ..... 99.99
**Plus RS-232 adapter for Tandy 1000 EX/HX.** (AX2501031 NP) **RSU 10542116** ..... 39.99
**SmartWatch automatic time/date entering system for Tandy 1000SL, 1000RL, 1200HD.** (25-1033 CMC) **RSU 10288934** ..... 39.99
**Memory PLUS expansion adapter.** Adds 384K to Tandy 1000EX or 1000HX. (AX2502062 NP) **RSU 10542181** ..... 189.99

# Running Out of Hard Disk Space?

***Do you constantly have to delete old files to make room for new ones?***

*Are your Windows applications running slower than they ever have? Today's complex software is partly to blame. As software continues to grow more powerful and complex, it becomes a problem for computers to keep up. They need more and more space in memory and on the hard drive to run efficiently.*



*We have the solution—a Western Digital® Hard Drive Upgrade kit. These high-quality drives are recognized as industry leaders by many top computer publications. Enhanced IDE, a new technology pioneered by Western Digital, brings you greater simplicity, increased capacity, performance and connectivity, plus backward compatibility with AT-IDE drives.*



*Complete set of mounting hardware & cables.*



*Just a few easy steps and you're ready.*



*Simple setup with installation software.*

*Installation and setup of Western Digital drives is a snap. Everything you need comes in the package—hard drive, mounting frame and hardware and cable. Clear, detailed instructions guide you through the setup, and, if that's not enough, there's a free hotline.*

*Free installation software breaks the 528MB barrier, is compatible with Windows 32-bit disk access, and makes installation a breeze.*

*PLUS the Western Digital 3-year warranty is the best in the industry!*

***"How much disk capacity should I buy?"***

*Radio Shack offers a variety of choices for upgrading your computer's hard drive. If you're planning on buying a new computer in a couple of years, a low-priced upgrade may be all you need. However, in other cases, that may only be a short-term solution to a long-term problem. You could find yourself short of space again in a few months, before you're ready to move up to the larger computer. The best rule-of-thumb is to always buy as much hard disk space as you can possibly afford.*

### Memory upgrades

*Make Radio Shack Unlimited™ your source for computer upgrades! We offer a wide variety of SIMM modules, video RAM and cache memory, upgrades for most PCs and notebooks—including Tandy, IBM, Packard Bell, AST and others.*

You've got questions. We've got answers. Come in and let a member of our knowledgeable sales staff answer any questions you might have on expanding your computer system.

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# Printer paper, ribbons and accessories.




## Customize your own t-shirts with Print 'n Press iron-ons

It's easy! Make a design on your computer, place a transfer sheet in your dot-matrix printer, print it—then iron the design on the shirt. Colors are washproof, and you can color your designs with crayons if your printer has a black ribbon only. Includes five blank iron-on transfers. **26-1437** . . . . . **5.99**




## Computer paper

Pack of 1000 sheets. White, letter-size (9½ × 11"). 20 lb. weight. **26-134** . . . . . **15.99**

## Printing labels

Print labels quickly and easily. Peel and stick. Pack of 1000. **26-1328** . . . . . **6.29**

## New 8½ × 11" cut paper for ink-jet and dot-matrix printers

Specially designed, bright-white (80+) paper. 20 lb. weight. 200 sheets.
**26-371** . . . . . **5.99**

## Get on a roll! Stock up on quality paper

| Type | Size | Rolls Per Pkg. | RSU No. | Cat. No. | Price |
|---|---|---|---|---|---|
| Thermal | 4⅛"×80' | 2 | | 26-1332 | 5.49 |
| Paper | 8½"×75' | 3 | 10274199 | CMC 26-1333 | 10.99 |
| Electrostatic | 2⅜"×75' | 2 | 10274785 | CMC 26-1412 | 11.99 |
| Paper | 4½"×150' | 3 | 10274827 | CMC 26-1428 | 6.49 |
| Thermal | 2¼"×7' | 5 | | 26-3592 | 2.49 |
| Paper | 1¾"×18' | 6 | 10274504 | CMC 26-3506 | 2.29 |
| Paper | 2¼"×30' | 6 | 10274520 | CMC 26-3606 | 2.99 |

## Accessories and supplies for Tandy® laser printers

| Laser Printer | Part/Supply | RSU No. | Cat. No. | Each |
|---|---|---|---|---|
| Tandy LP 1000 | LP 1000 Toner | | 26-2807 | 27.99* |
| | LP Kit A | 10274884 | CMC 26-2805 | 199.99 |
| | LP Kit B | 10274892 | CMC 26-2806 | 99.99 |
| Tandy LP 950/990 | Sheet Feeder (Requires 26-2860 and 26-2863) | 10027175 | CMC 26-2861 | 229.99 |
| | Envelope Feeder | 10027183 | CMC 26-2862 | 259.99 |
| | Letter Paper Cassette | 10027191 | CMC 26-2863 | 59.99 |
| | Legal Paper Cassette | 10027167 | CMC 26-2860 | 59.99 |
| | 1.5MB Memory Upgrade | 10542611 | NP AX2602852 | 399.99 |
| | Toner Cartridge | 10458180 | CMC 26-2841 | 64.99 |
| | Developer Cartridge | 10274959 | CMC 26-2843 | 179.99 |
| | Drum Cartridge | 10274942 | CMC 26-2842 | 149.99 |
| | Font Cards: "B" | 10027100 | CMC 26-2854 | 139.99 |
| | "F" | 10027118 | CMC 26-2855 | 179.99 |
| | "L" | 10027134 | CMC 26-2857 | 179.99 |
| | "M" | 10027126 | CMC 26-2856 | 179.99 |
| | "N" | 10027142 | CMC 26-2858 | 179.99 |
| | "P" | 10027159 | CMC 26-2859 | 179.99 |
| Tandy LP 800 | Toner Cartridge | 10456176 | CMC 26-2894 | 23.99 |
| | Drum Kit | 10542652 | NP AX2602895 | 119.99 |
| | Developer | 10275006 | CMC 26-2898 | 159.99 |
| | 2MB Memory Upgrade | 10542645 | NP AX2602893 | 259.99 |
| | 2nd Bin Sheet Feeder Letter/Legal Size | 10277069 | CMC 26-2902 | 189.99 |
| Tandy LP 400/410 | Developer | 10274991 | CMC 26-2897 | 159.99 |
| | 2nd Bin Sheet Feeder Letter-Size Only | 10277051 | CMC 26-2901 | 189.99 |
| Tandy LP 400/410/800 | 1MB Memory | 10542637 | NP AX2602892 | 199.99 |
| Tandy LP 410/800 | Postscript Emulation (Requires 3MB memory in printer) | 10274983 | CMC 26-2891 | 399.99 |

## Replacement ribbons for Tandy and other printers

| Printer | Ribbon | RSU No. | Cat. No. | Each |
|---|---|---|---|---|
| LP I, II, IV | Fabric Pack (3/PK) | 10274793 | CMC 26-1413 | 19.99 |
| LP III, V | Fabric Cartridge | 10274801 | CMC 26-1414 | 9.99 |
| LP VI/VIII, DMP 400/420 | Fabric Cartridge | 10456721 | CMC 26-1418 | 9.99 |
| LP VII, DMP 100 | Re-inking Fabric | 10274819 | CMC 26-1424 | 13.99 |
| PC1 | Ribbon | 10274512 | CMC 26-3507 | 3.99 |
| DMP 110 | Re-inking Fabric | 10457851 | CMC 26-1283 | 8.99 |
| DMP 107/130/130A/132/133/134/135 | Black Ribbon | | 26-1236 | 10.99 |
| DMP 107/130/130A/132 133/134/135 | Refill (3/PK) | 10456416 | CMC 26-1238 | 14.99 |
| DMP 107/130/130A/132/133/134/135 | Color Ribbon Pack | 10456549 | CMC 26-1235 | 19.99 |
| DMP 500 | Fabric Cartridge | 10458172 | CMC 26-1482 | 13.99 |
| DMP 120, 200 | Fabric Cartridge | 10274876 | CMC 26-1483 | 11.99 |
| DMP 105, 106 | Black Fabric Cartridge | | 26-1288 | 8.99 |
| DMP 136, 240, 250, 207 | Black Fabric | | 26-2824 | 10.99 |
| DMP 136, 240, 250, 207 | 4 Color | | 26-2826 | 29.99 |
| DMP 202/203/204/205/206/137 | Black Fabric | | 26-2871 | 13.99 |
| DMP 137/204/205 | 4 Color | | 26-2900 | 29.99 |
| DMP 310 | Black Fabric | 10456432 | CMC 26-2878 | 14.99 |
| DMP 430 | Black Fabric Cartridge | | 26-1296 | 14.99 |
| DMP 440 | Fabric Cartridge | 10457877 | CMC 26-2809 | 34.99 |
| DMP 2100, 2100P, 2110 | Fabric Cartridge | 10457869 | CMC 26-1442 | 9.99 |
| DMP 2120 | Black Ribbon | 10274926 | CMC 26-2834 | 39.99 |
| DMP 2120 | Black Refill | 10274934 | CMC 26-2836 | 18.99 |
| DMP 2130 | Black Fabric | 10457885 | CMC 26-2846 | 34.99 |
| LMP 2150 | Black Cartridge | 10274769 | CMC 26-1287 | 17.99 |
| TRP 100 | Black Thermal Film | 10274777 | CMC 26-1297 | 7.99 |
| DMP 2104 | Black Fabric | 10457091 | CMC 26-2869 | 16.99 |
| DW II, DWP 410, 510 | Multi-Strike (3/PK) | 10451896 | CMC 26-1419 | 19.99 |
| DW II, DWP 410, 510 | Nylon Cartridge | 10274835 | CMC 26-1449 | 7.99 |
| DWP 210, 230, 520 | Multi-Strike (3/PK) | | 26-1445 | 19.99 |
| DWP 210, 230, 520 | Fabric Cartridge | 10274843 | CMC 26-1458 | 7.99 |
| DWP 220 | Multi-Strike (3/PK) | 10458164 | CMC 26-1299 | 24.99 |
| DMP 300/302/442/2102/2103 | Black Ribbon | | 26-2819 | 7.99 |
| DMP 202/203/206 | Color Ribbon Pack | 10457893 | CMC 26-2907 | 19.99 |
| DMP 2200 | Black Ribbon | 10274900 | CMC 26-2825 | 22.99 |
| DMP 440 | Refill | 10274918 | CMC 26-2827 | 19.99 |
| PC-2 Plotter/CGP 115 | Black (3/PK) | 10274850 | CMC 26-1480 | 2.99 |
| PC-2 Plotter/CGP 115 | Color | 10274868 | CMC 26-1481 | 2.99 |
| WP-100/101 | Black Single-Strike | | 26-3952 | 9.99 |
| WP-100/101 | Lift-Off Correction | 10451250 | CMC 26-3953 | 3.99 |
| WP-100 | Black Multi-Strike | 10275022 | CMC 26-3954 | 11.99 |
| WP-100 | Cover-Up Correction | 10275030 | CMC 26-3955 | 6.99 |
| Star® NX1000 & others | Black | | 26-2908 | 7.99 |
| Apple® Imagewnter | Black | | 26-2909 | 7.49 |
| Apple® Imagewriter | 4 Color | | 26-2910 | 11.99 |
| Epson® LQ 800 | Black | | 26-2911 | 7.99 |
| IBM® Proprinter | Black | | 26-2912 | 7.99 |
| Panasonic® 1090, 1124 | Black | | 26-2913 | 10.99 |
| Epson LQ 1000 | Black | | 26-2914 | 8.99 |
| Epson LQ 100 | Black | | 26-2915 | 11.99 |

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).
*Special order in some stores. Items with RSU number are available fast, delivered direct to your door from Radio Shack Unlimited™

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## Color-ready* 24-pin dot-matrix printer

**DMP 207.** A superb value, this printer really delivers. It's great for home or office, with quality features like 24-pin letter-quality printing, built-in 50-sheet automatic sheet feeder, and quiet operation. Menu-based setup system—no switches to set. Prints up to 240 characters per second in draft mode. 6½ x 15¼ x 9⅝". Was $299.99 in 1995 Catalog. (TSP)

**26-2917** ..... New Low Price! **249.99**

Tractor feed. (26-2918 CMC) RSU10450955 ..... **39.99**

***4-color ribbon.** Required for color printing. **26-2826** ..... **29.99**







## Color-ready* ink-jet printer with built-in scalable fonts

**JP 1000.** Graphics-oriented printer with advanced ink-jet technology. Prints professional-quality reports and presentations using 28 resident fonts and 25 TrueType scalable fonts. 5½ x 14¼ x 9½". Was $399.99 in 1995 Catalog. (TSP)

**26-2960** ..... New Low Price! **369.99**

***Color kit.** Required for color printing. Driver on 3.5" disk, print head, storage case, user and color printing guides.

**26-2963** ..... **69.99**

## Accessories for ink-jet printers

### For the JP 250 printer

**Ink-jet cartridge.** Black. Also for Canon BJ-5, BJ-10e. (26-2874 CMC) RSU 10458198 ..... **29.99**

**Ink refill kit.** Black. Also refills Canon BJ-5, BJ-10 and BJ-20 cartridges. **26-2916** ..... **29.99**

**Sheet feeder.** Holds 30 single sheets—perfect for letterhead correspondence. **26-2884** ..... **49.99**

### For the JP 500 printer

**Ink refill cartridge.** Black.
(26-2951 CMC) RSU 11448974 ..... **35.99**

**Rechargeable battery pack.**
(26-2952 CMC) RSU 10456184 ..... **69.99**

Coiled DC power cord. Plugs into vehicle lighter socket. (T16-CC7B (CMC) RSU 10101947 ..... **9.99**

### For JP 1000 & Citizen Project II

**Ink refills.** Black. Package of 2. Also fits Olivetti JP360/450, Digital DECwriter 120/520ic, and TI microMarc. **26-2961** ..... **10.99**

**Replacement printhead and ink cartridge.** NOTE: Printhead for the JP 1000 must be replaced after seven or eight ink refills are used. (26-2962 CMC)
RSU 10456192 ..... **39.99**

**Color kit. 26-2963** ..... **69.99**

**Color cartridge. 26-2964** ..... **49.99**

### Compare features and choose the printer that's right for you

| Key Features | DMP 207, 26-2917 | JP 1000, 26-2960 |
|---|---|---|
| Printing Technology | 24-pin dot matrix, impact-type bidirectional logic seeking, color ready (see above) | Ink-jet, color-ready (see above) |
| Printing Speed | Draft: up to 240 cps<br>Letter quality: 53 cps (10 cpi) | Draft: 180 cps<br>Letter quality: 120cps |
| Fonts | Letter quality: Roman and Sans Serif, scalable 8-40 pt.; Courier; Prestige, Script | 28 resident bitmap<br>25 TrueType |
| Graphics Resolution | 360 x 360 dpi | 300 x 300 dpi |
| Emulations | IBM Proprinter X24e<br>Epson LQ-570/860/2500/2550<br>Citizen Color: GSX-140/140 Plus/ 145/130/220 | PCL3/3+<br>HP Deskjet |
| Input Buffer | 8K | |
| Paper Handling | Automatic 50-sheet feeder; Manual feed for single sheet, multi-part forms and envelopes; Optional push tractor; Auto load; Paper park; Auto tear-off | Automatic sheet feeder; manual feeder for sheets and envelopes |
| Ribbon/Ink | Black, 26-2824. Color, 26-2826 | Refill (black, 2-pack), 26-2961<br>Color refill, 26-2964 |
| Price | **249.99** | **369.99** |

Need a ribbon or supplies for an older printer? Chances are they're available—fast—through Radio Shack Unlimited℠. See store for details.

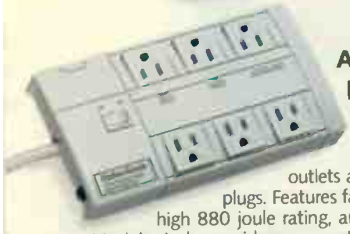
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# Surge protection and connectors for computers.



## Power center with built-in surge protection

Provides five grounded AC outlets and protects your PC, peripherals and a phone, fax or modem from damaging surges. Guards against surges on any combination of hot, neutral and ground AC lines, as well as surges on phone line. Filters out interference caused by electrical devices—helps prevent data loss. A master switch lets you turn your system on/off with the touch of one button. Separate buttons let you switch components separately. Has protector-status LED, 6-foot AC cord, shielded phone jacks, phone cord, 15A circuit breaker. UL 1449 rating. 330 volts. Joule rating of 420. Sturdy 1¼ x 13 x 13" housing, can be placed between CPU and monitor or beneath monitor. UL listed AC. **26-363** ..... **79.99**



## AC power center with protector and alarm

Provides six grounded outlets and full 3-stage, 3-line surge protection. Extra space between outlets allows use of AC adapters next to plugs. Features fast *one picosecond* response time, high 880 joule rating, and UL 1449 rating of 330 volts. Modular jacks provide surge protection for fax, modem or phone. Alarm sounds if surge protection becomes disabled. Has built-in 55 dB noise filter, ground LED to warn of an improperly wired wall outlet, 15-amp circuit breaker and on/off switch. *Includes $10,000 connected equipment guarantee, see page 156.* **61-2122** ..... **59.99**



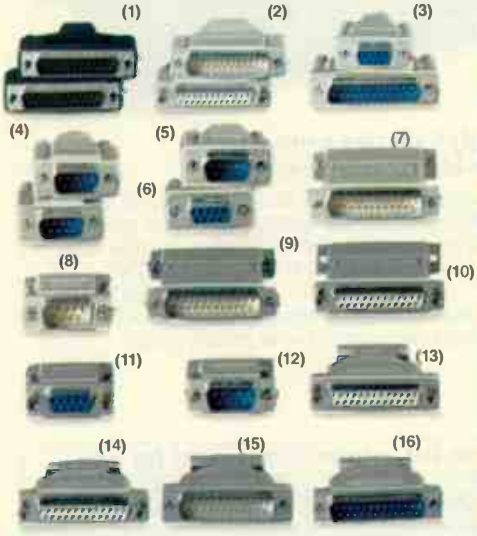
## 6-outlet protector in metal housing

Full 3-line surge protection, 55 dB noise filter. UL 1449 rating of 330V. Joule rating of 450. Audible/visible alarms indicate disabled surge protection. Has circuit breaker and 6-foot cord. *$10,000 connected equipment guarantee, see page 156.* **61-2121** ..... **34.99**



## 6 outlets, audible and visible alarms

Complete 3-line surge protection with audible/visible alarms to indicate disabled protection. Ground LED warns of improperly wired outlet. UL 1449 rating: 330V; Joule: 600. Circuit breaker, 6-ft. cord. *$10,000 connected equipment guarantee, p. 156.* **61-2120** .... **35.99**




## Serial RS-232C cables and adapters—get connected with quality!

| Fig. | Description | Connectors | RSU No. | Cat. No. | Each |
|---|---|---|---|---|---|
| 1 | 6-ft. Round Shielded | DB25 male/DB25 male | | 26-249 | 9.99 |
| 1 | 10-ft. Round Shielded | DB25 male/DB25 male | 10524106 | NP 26-291 | 29.99 |
| 1 | 25-ft. Round Shielded | DB25 male/DB25 male | 10524114 | NP 26-292 | 39.99 |
| 1 | 50-ft. Round Shielded | DB25 male/DB25 male | 10524122 | NP 26-293 | 49.99 |
| 1 | 100-ft. Round Shielded | DB25 male/DB25 male | 10524130 | NP 26-294 | 69.99 |
| 2 | 6-ft. Round Shielded | DB25 male/DB25 female | | 26-240 | 9.99 |
| 3 | 6-ft. Round Shielded | DB25 male/DB9 female | | 26-269 | 9.99 |
| 4 | 6-ft. Round Shielded | DB9 male/DB9 male | | 26-116 | 9.99 |
| 5 | 6-ft. Round Shielded | DB9 male/DB9 female | | 26-117 | 9.99 |
| 6 | 6-ft. Round Shielded | DB9 female/DB9 female | | 26-152 | 9.99 |
| 7 | Null Modem Adapter | DB25 male/DB25 female | | 26-1496 | 4.99 |
| 8 | Null Modem Adapter | DB9 male/DB9 female | | 26-264 | 3.99 |
| 9 | Gender Changer | DB25 male/DB25 male | | 26-243 | 4.99 |
| 10 | Gender Changer | DB25 female/DB25 female | | 26-1495 | 4.99 |
| 11 | Gender Changer | DB9 female/DB9 female | | 26-266 | 3.99 |
| 12 | Gender Changer | DB9 male/DB9 male | | 26-280 | 3.99 |
| 13 | Port Adapter | DB25 female/DB9 female | | 26-265 | 4.59 |
| 14 | Port Adapter | DB25 female/DB9 male | | 26-287 | 4.59 |
| 15 | Port Adapter | DB25 male/DB9 female | | 26-209 | 4.59 |
| 16 | Port Adapter | DB25 male/DB9 male | | 26-1388 | 4.59 |




## Detachable AC cords

**(17) CEE-type cords.** Fit many PCs, printers, calculators, office machines, lab instruments. All have 3-prong (grounded) plug. UL listed.
**6-foot. 278-1257** ..... **3.99**
**12-foot. 278-1261** ..... **5.99**
**6-foot shielded. 278-1262** ... **4.99**

**(18) With right-angle connector.** Great for tight spaces. 6-foot detachable AC power cord with right-angle CEE-type connector. UL listed. **278-1260** ..... **5.99**
**(19) 6-foot CEE extension cord.** UL listed. **278-1259** ..... **4.99**

## Color Computer cable

(Not shown.) Connects a cassette recorder to your Color Computer. 5-pin DIN plug at one end, one 3/32" and two 1/8" audio phone plugs at the other. **26-1207** ... **5.99**



## New Value! 14-piece tool kit for computer service/maintenance

Includes anti-static IC inserter and extractor, non-conductive parts retriever, tweezers, four demagnetized screwdrivers—1/8" and 1/16" slot, #0 and #1 Phillips—plus 3/16" and 1/4" nutdrivers, T10 and T15 Torx bits. With protective parts tube, deluxe zippered case. **64-1990** ... **14.99**



## A/B switch lets you connect two devices to one computer port

Ends unplugging and replugging. Lets you select between two printers or other devices with the flip of a switch. DB25 female connectors on both input and output. Shielded design reduces interference. No external power supply required. May be special-order in some stores. **26-115** ..... **24.99**

Items with an RSU number are available fast, delivered direct to your door from Radio Shack Unlimited℠.

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# Printer cables and accessories.



## Helpful accessories

**Printer extension kit.** Two parallel port adapters, 50-ft. cable. Extendable to 1200 feet. (Shown.)
**26-2903** ..... **29.99**

**Serial-to-parallel port converter.** (CMC 26-2829) **RSU10277036** .. **99.99**

**4-way printer switch.** Switch a single printer between four computers. (CMC 26-2828) **RSU10277028** .. **59.99**

**Printer cable extender.** (No cable included). Requires 25-ft. cable #26-290, see chart. (CMC 26-2840) **RSU 10277044** ..... **29.99**



## 90° angle adapters

Adapts cable for tight spots.
**Right angle.** (CMC 26-2867)
**RSU 11443470** ..... **10.99**
**Left angle.** (CMC 26-2870)
**RSU 11443488** ..... **10.99**

## We have the correct printer cable for your Tandy® computer

Our printer cables assure a perfect connection. Manufactured to the highest standards using state-of-the-art materials and superior craftsmanship.

| Fits | Description | Length | RSU No. | Cat. No. | Each |
|---|---|---|---|---|---|
| Tandy 1000 Series (Except RL/RLX and TL/3) | Edge Card/36-pin Tandy port for most Tandy printers | 6' S | | 26-225 | 19.99* |
| | | 12' S | 10276988 | CMC 26-222 | 24.99 |
| | Edge Card/36-pin IBM port | 6' S | | 26-289 | 19.99* |
| | | 12' S | 10276996 | CMC 26-1259 | 24.99 |
| Tandy 1000 RL/RLX/TL3/3000/4000/5000/MPC/Sensation/WP-2; IBM All Tandy Laptops | 25-pin male/Tandy port for most Tandy printers | 6' S | | 26-227 | 11.99 |
| | | 12' S | 10288488 | CMC 26-223 | 17.99 |
| | 25-pin male/36-pin IBM port | 30" S | | 26-1284 | 9.99 |
| | | 6' S | | 26-288 | 9.99 |
| | | 12' S | | 26-1258 | 14.99 |
| Color Computer/MC-10 | 4-pin DIN/4-pin DIN Special Serial Cable | 6' | 10277077 | CMC 26-3020 | 5.99 |
| Model I/III/4/4P/4D | Edge Card/36-pin Tandy port | 6' | 10277002 | CMC 26-1401 | 19.99 |
| Model II/12/16/16B/2000/6000 | 34-pin female header/36-pin Tandy port | 6' | 10277093 | CMC 26-4401 | 12.99 |
| Printer Extension Cable for 26-2840 | 36-pin male/36-pin male printer cable. Requires 26-2840 | 25' | 10288512 | CMC 26-290 | 39.99 |
| Models 100/102/200/600 | Printer Cable 26 pin female/36 pin male | 6' | 10446227 | CMC 26-1409 | 14.99 |
| Color Computer 3 | Cassette; 5-pin DIN to audio | 3½' | | 26-1207 | 5.99 |

Note: An "S" after the cable length indicates shielded round cable. *Special order in some stores.



## Tandy Printer Cable Quick Reference Chart

If you move or reorganize your computer workcenter, you may need cables of different lengths to accommodate the changes This chart below will help you pick the exact cable your system requires, and includes listings for older printers.

| Computer ⇨ | Tandy 1000/RL/RLX/TL3 3000/4000/5000/MPC Sensation/WP-2 IBM/All Tandy Laptops | | Tandy 1000 Series (Except RL/RLX/TL3) | | Color Computer MC-10 | Model I/III 4/4P/4D | Model II/12/16 16B/2000/6000 | Model 100/102 200/600 |
|---|---|---|---|---|---|---|---|---|
| Printer [ Length ⇨ | 6 feet | 12 feet | 6 feet | 12 feet | 6 feet | 6 feet | 6 feet | 6 feet |
| CGP 200 | | | | | 26-3020 | 26-1401 | 26-4401 | 26-1401 |
| HP 215 | | | | | 26-3020 | 26-1401 | 26-4401 | |
| JP 250, JP 500, JP1000, JP 600, Citizen Project II | 26-288 | 26-1258 | 26-289 | 26-1259 | | 26-1401 | 26-4401 | |
| LMP 2150 | | | | | | 26-1401 | 26-4401 | |
| LPI/LPII/LPIII/LPIV/LPV/LPVI, | | | | | | 26-1401 | 26-4401 | |
| LPVII/LPVIII | | | | | 26-3020 | 26-1401 | 26-4401 | |
| LP 400/410 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| LP 800/950/990 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| LP 1000 | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | 26-1409 |
| DMP 100/105/106/107/110 | 26-227 | 26-223 | 26-225 | 26-222 | 26-3020 | 26-1401 | 26-4401 | 26-1409 |
| DMP 120/130/130A/132/133 | 26-227 | 26-223 | 26-225 | 26-222 | 26-3020 | 26-1401 | 26-4401 | 26-1409 |
| DMP 134 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 135 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 136 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 137 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 200 | 26-227 | 26-223 | 26-225 | 26-222 | 26-3020 | 26-1401 | 26-4401 | 26-1409 |
| DMP 202/203/204/205/206/207 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 240/250 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 300 | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | 26-1409 |
| DMP 302/310 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 400/420/430/440 | 26-227 | 26-223 | 26-225 | 26-222 | 26-3020 | | | |
| DMP 442 | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | 26-1409 |
| DMP 500 | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | |
| DMP 2100/2100P/2102 | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | 26-1409 |
| DMP 2103/2104 | 26-288 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 2110/2120 | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | 26-1409 |
| DMP 2130 | 26-228 | 26-1258 | 26-289 | 26-1259 | | | | |
| DMP 2200/DWII | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | 26-1409 |
| DWP 210/220/230 | 26-227 | 26-223 | 26-225 | 26-222 | 26-3020 | 26-1401 | 26-4401 | 26-1409 |
| DWP 410/510/520 | 26-227 | 26-223 | 26-225 | 26-222 | | 26-1401 | 26-4401 | 26-1409 |
| TP 10/TRP 100 | | | | | 26-3020 | | | |

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# Productivity software: VGA/3.5" disks/CD-ROM.




### Expert home design/Windows

Design and draw your dream home. A library of resizable furniture lets you decorate, try out different floor plans. Furniture is automatically scaled to the size your plan uses.
**25-1967** ..... **14.99**




### Expert Landscape for Windows

The easy, fun way to plan landscaping. Libraries hold expertly drawn objects that can be dragged and dropped in place—pools, plants, trees, fences, decks, even lawn chairs and more. **25-1971** ..... **14.99**




### Expert Travel Planner/Windows

Save time by accurately and effortlessly planning your vacation and business trips. Travel Planner computes, displays and prints your specified route, itinerary and travel information.
**25-3144**..... **14.99**




### KeyCAD Complete for Windows

Turn your PC into a powerful design and drafting workstation. Use this Computer Aided Design program to create drawings, plans and layouts to scale. **25-3198** ..... **29.99**




### Chart and graph your family tree

Family for Windows is the latest in genealogy software. Build a treasury of family history. Just click on a family member to jump to their biography, even a picture! **25-3149** ... **29.99**




### Where in the World is Carmen Sandiego?

Learn about exotic places as you chase Carmen and her gang all over the world. Comes with The World Almanac & Book of Facts. **25-3130**..... **49.99**




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Just type in the information the program asks you for, and your professional resume is automatically created. Has cover letters and appointment calendar. **25-3136** ..... **14.99**




### Print Shop Deluxe

It's fun and easy to design your own deluxe greeting cards, signs, banners, stationery, calendars and more, using gorgeous, eye-catching graphics and stylish text. Version 2.
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*For DOS*




*For Windows*

### New Quicken

Organize your finances quickly and easily with the world's best-selling finance software! Quicken looks just like your checkbook—you'll feel comfortable right away—there's nothing new to learn. Prints checks, pays bills and reconciles your bank account in less time than it takes by hand. Reports and graphs show exactly where your money goes. Great for small businesses, too. Handles accounts, payroll, tracking cash flow, more.
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Features 100 vivid, colorful photos chosen from the world's leading CD collections. Ideal as screen savers or royalty-free stock photography for professional-quality presentations.
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Discover the largest collection of goofball gadgets ever to be assembled under one boxtop—icons that move, commands that talk in six different languages, wallpaper that suddenly springs to life, and more. CD-ROM.
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# ONLINE SERVICES *Come in and find out what it's all about!*




### CompuServe for Windows

Discover an amazing new world of information and communications. Basic membership in this information service gives you unlimited connect time to access newswires, travel reservation systems, stock quotes, electronic shopping, games and a vast library of information. CompuServe has more international databases and forums than any online service. Includes one free month of membership (an $8.95 value), $25 credit toward accessing any of the vast range of other CompuServe services, plus a free subscription to CompuServe magazine.
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Sign up with NETCOM Internet Service with NetCruiser and your registration fee will be waived! You'll also receive 40 hours of free prime time Internet service and hundreds of free weekend and off-peak hours every month! With other services, that much connect time would cost hundreds of dollars a month. Standard monthly fee is $19.95. Service includes 400 hours of Internet service every month. Comes with WWW, Gopher, FTP, Usenet, Telnet, and e-mail. Sign up today and be on your way tonight, exploring the Net!
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### New Prodigy with 10 free hours

Use your 10 free hours online to surf the Internet, take a computer tour of the White House, browse the Library of Congress, play interactive games, send e-mail or "chat" with millions of people around the world who share your hobbies or interests. On CD-ROM. **25-3232**..... **5.99**




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A 430-page book of the most useful, fascinating and (occasionally) weird stuff available on the Internet. (25-6670 CMC) **RSU 11371945** .... **22.99**

Before purchasing software, check to ensure that your system meets or exceeds the minimum system requirements. Software stocked in selected stores only. All stores can special order.

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### Game Pack for Windows

Seven action-packed arcade-style games for MS Windows. You get the popular Blitzer, Chomp, Squash, Warhead, Emlith, Block Breaker and Hyperoid games. **25-3186, 19.99**



### New FX Fighter

You're in a brawl to the death with the best-known fighters in the universe. Motion Capture Technology delivers the smoothest fighting animation ever. Arcade-style action. CD-ROM. **25-3234 . . . . 59.99**




### New Windows95®

This is not just a slightly modified version of the old Windows technology! It's a completely integrated operating system and Windows interface. It runs faster and measurably better than the older shell versions. Modems, CD-ROM drives and other peripherals configure themselves automatically to your system using Plug and Play technology.

**Disk. RSU 11453412 . . . . . See store**
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**Microsoft Plus!®.** Companion utility gives Windows95 even more space and style. Allows up to 50% more data compression than Windows95. Adds unattended backups, Internet Web browser and much more.
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### New Wing Commander III

The third and final sequel in this sensational space-flight adventure completes the turbulent chronicles of the Terran-Kilrathi war. Fly 50 missions—each with photorealistic, 3-D space combat. Pilot five distinct fighters, armed with fully configurable weaponry. The final showdown takes place on one of the homeworlds—Earth or Kilrah. Only you can write the ending. This stunningly spectacular game has full 16-bit digital soundtrack for cinematics, plus general MIDI support and digitized speech for space combat. Game Hint Book included—a $24.99 value. CD-ROM. **25-3231 . . . . 59.99**




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The ultimate doomsday device has been discovered beneath the frozen tundra of northern Russia. Lifelike character interaction and puzzle solving in a detailed, stunning gaming environment. CD-ROM. **25-3230 . . . . 49.99**




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Test your skills to the limit against the best golfers in the world! Compete for tournament prize money and battle for survival against 56 top pros on three formidable Tournament Players Club courses. CD-ROM. **25-3194, 49.99**

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Many more book and software titles also available through Radio Shack Unlimited. See pages 4 and 5 for details.

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# High-speed, high-performance fax modems.




## New V.34 28,800bps data modem with 14,400bps send/receive fax

Put your computer system on the leading edge of data communication with the Smart One™ ultra-speed fax/modem. It has all the latest sophisticated features: Data transfer rates of up to 28,800bps, with Lap-M point-to-point error control communications. Advanced faxing features stretch sending and receiving capabilities far beyond that of a stand-alone fax machine. You get time-scheduled transmissions, multiple-file broadcasts, polling capabilities, plus the ability to view, rotate and print incoming faxes. Also, there's a handy fax and error report log, phone book for data and fax numbers, and full background mode for uninterrupted operation. Best of all, the top faxing speed of 14,400bps cuts long distance carrier costs almost in half.

Support of industry data compression and error correction standards ensures faster data throughput when communicating with thousands of modems around the globe. ITU V.34, V.42bps and MNP 5 error correction and data compression deliver throughput of up to 115,200bps. Best Data provides full technical support via phone, fax and bulletin board. **25-3037** ..... **199.99**




## New 14,400bps data modem with voice mail and 14,400bps fax

Packed with features you'll think are incredible luxuries at first, then come to wonder how you ever got along without them. Create personalized voice-mail boxes that are password protected and even store faxes. You can retrieve messages day or night, record new messages, even change existing ones by remote, using any Touch-Tone telephone handset.

Other state-of-the-art features include a convenient remote paging system to notify you of incoming calls when you're away from the office, background mode for uninterrupted operation, and time-scheduled transmissions. This high-speed modem will let you surf the Internet at the touch of a button. V.42bis and MNP levels 2, 3 and 4 error correction and data compression. Fax sends and receives at 14,400bps, Group 3 fax. Best Data's full-scale technical support team offers you assistance by phone, fax or bulletin board service. **25-3038** ..... **99.99**



## Keyboard wrist rest

Positions hands properly to help reduce keyboard fatigue. Select from three angles for maximum typing comfort. May help relieve symptoms of Carpal Tunnel Syndrome.

**26-329** ..... **12.99**

**Enhanced keyboard.** PS/2 cable. AXX0020.

**RSU 10543171**..... **49.99**



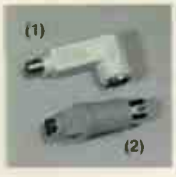
## Padded wrist rest

Cushions your wrists with comfortable, soft foam padding. Elevates your wrists to the ideal typing angle. May help relieve symptoms of Carpal Tunnel Syndrome. Non-slip base.

**26-359** ..... **7.99**

**Enhanced keyboard.** AT cable. AXX0024.

**RSU 11285343**..... **49.99**




**Keyboard adapters**

(1) Connects AT 5-pin M keyboard to PS/2 6-pin F CPU. (26-142 CMC) **RSU 10027068, 4.99**

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## Keyboard or mouse cable

Six-foot shielded extension with mini DIN plugs. For keyboard or mouse.

**26-149** ..... **8.99**

# Tour the Information Superhighway.

*Travel the Infobahn in style! Shop at Radio Shack for the latest in technology and equipment for traveling the exciting new world of cyberspace.*

**QUESTION:**
*What is the Information Superhighway?*

Q&A

**ANSWER:**

*It's called by many names—Internet, the Net, Infobahn, I-Way. They all mean the same thing. The Information Superhighway is a worldwide electronic network that links millions of computers (and people!) together so they can exchange information. Most information travels over telephone lines, but some travels by satellite.*

*In order to get on the Net, you'll need a computer, modem, and communication software. To link up, you subscribe to a "service provider"—see page 204 for Internet software and on-line service providers.*

## Buzz Words

*The amount of information available on the Net is vast. There is so much information that special tools have been created to help you in locating data and services.*

***Gopher***—*Organizes information into a hierarchy of menus and submenus. By following a gopher's descriptive menus from submenu to submenu, you can track down the information you are interested in, wherever it may be in the world.*

***File Transfer Protocol (FTP)***—*A program used by computers connected to the Internet to transfer files, even when the computers use different operating systems.*

***Archie***—*An Internet service that helps you locate files stored around the world, using the FTP protocol.*

***Telenet***—*A program that lets you log into a distant computer to execute programs and look at files.*

***World Wide Web (WWW)***—*An information service that links documents, wherever they may be. Lets you jump from item to item without having to wade through intervening text during a search.*

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### Competition joystick for IBM® PCs and compatible computers

Avenger 700 gives you the competitive edge you need—the pistol grip feels like it was custom-designed just for you! Highly accurate 8-direction control has fine-tuning X and Y trim adjustments to keep you right on target. Also features ultra-sensitive fire buttons, high-speed auto fire, turbo, auto-centering. Four suction-cup stabilizers keep the Avenger firmly in place when the action gets hot. High-impact molded construction won't let you down under pressure. 4½-foot cord. 26-377 ..... 19.99



### Our best joystick

Advanced aviation features let you control both throttle and rudder directly from the flight console. Features constant "G" 360° tracking, right or left-hand throttle control, and dual fire buttons with tactile and audible feedback. In the heat of battle, you'll really appreciate the stability of the wide-base console and rugged construction. Independent X and Y axis trimmers. 26-384..... 49.99



### Cordless mouse

Work faster and smarter with our advanced desktop pointing device. No cord to get tangled or interfere with your work. Easy to set up and comfortable to use—with pinpoint accuracy. The mouse is kept handy but out of the way in the charger/receiver pouch when not in use.

An overnight charge of the rechargeable batteries lasts your whole working day. Charger/receiver attaches to serial port.
25-2006 ..... 49.99



### Clip your mouse's cord

It's the handiest gadget! Clip it onto the edge of your mouse pad. Fasten your mouse cord to the top of the clip, leaving just enough slack to be able to move your mouse anywhere on the pad. The cord stays up and out of the way. 26-365..... 1.99



### Combination mouse

Supports PS/2-style and serial ports. Two-button operation and accurate cursor movement.
25-2001 ..... 39.99



### Handheld/desk trackball

For handheld or desktop operation. 6-foot cord, 9-pin serial and PS/2-style connectors.
25-2003 ..... 39.99



### Game card for PC compatibles

Compete with friends on 2-player games. Dual 15-pin ports support 2 joysticks. For IBM PCs.
26-376..... 19.99



### Joystick port Y-adapter

Use two joysticks in a single port. Compete with friends on 2-player games! 15-pin connector. 26-380..... 4.99



### Mouse cleaning kit

Your mouse works better when it's squeaky clean. Six foam swabs plus cleaning fluid and cloth. 26-347 ..... 3.99



### Better mouse pad

Be kind to your mouse. Hard matte surface provides better traction. Wipes clean easily and won't absorb stains.
26-353 ..... 9.99



### Mouse pad

Keeps the tracking ball clean. Provides excellent tracking on a uniformly smooth surface for improved mouse operation. 26-237 ..... 4.99



### New Frankie mouse cover

Frankie's smooth and sophisticated, and helps keep your mouse free of dust. 26-370..... 4.99



### New Mouse kit

Everything you need to add a PS/2-style mouse to your system—mouse, holder, pad, and "uptown" mouse cover.
26-372..... 29.99



### New Wrist-rest mouse pad

Helps reduces fatigue when using mouse for extended periods. Excellent tracking surface.
26-373..... 5.99



### Mouse holder

Keep your mouse handy but out of the way. Attaches to your CPU or monitor with included peel-and-stick adhesive.
26-275..... 2.49



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Apple Inc. Exhibit 1014 Page 193

# Diskettes, tape cartridges and protective storage.




## Our preformatted diskettes have a lifetime warranty

Use the best quality diskettes for your data. Each Radio Shack preformatted diskette is warranted against defects in workmanship and materials for the lifetime of the purchaser or we will replace it free—see our store manager for details. Ten-packs include a bonus protective tote box. Discounts are available on large-quantity purchases—see page 217.

**Double-sided 3½"**

| Density | Capacity | Qty. | Cat. No | Price |
|---|---|---|---|---|
| Double | 720KB | 3<br>10 | 26-432<br>26-430 | 2.99<br>7.99 |
| High | 1.44MB | 3<br>10 | 26-433<br>26-431 | 3.99<br>10.99 |

**Double-sided 5¼"**

| Density | Capacity | Qty. | Cat. No | Price |
|---|---|---|---|---|
| Double | 360KB | 3<br>10 | 26-452<br>26-450 | 2.49<br>6.99 |
| High | 1.2MB | 3<br>10 | 26-453<br>26-451 | 2.99<br>7.99 |



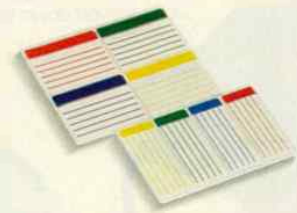
## Tape/cartridge storage

**150MB tape cartridge.** DC 6150 compatible. (CMC 26-204) **RSU 10274728 ..... 39.99**
**60MB tape cartridge.** DC 2120 compatible. (CMC 26-246) **RSU 10274751 ..... 34.99**
**40MB tape cartridge.** DC 2000 compatible. (CMC 26-218) **RSU 10274736 ..... 29.99**
**20MB 5¼" Bernoulli disk cartridge.** (CMC 26-221) **RSU 10274744 ..... 119.99**
**2.8" disks/WP100.** (CMC 26-3951) **RSU 10275014, 2/16.99**
**C-10 digital cassette tape.** (CMC 26-302) **RSU 11443462 ..... 1.89**
**C-20 digital cassette.** (CMC 26-308) **RSU 10451755 ..... 3.79**



## New 2-diskette holders

Set of three protective holders—each holds two 3½" diskettes. The tinted, transparent design makes diskettes easy to identify. Ideal for carrying diskettes in pocket or purse. **26-369 .... 3.99**



## Color-coded labels

Neatness counts! Organize and identify your diskettes with color-coded, adhesive-backed labels. Each package contains 100.
**For 3½" diskettes. 26-244, 2.99**
**For 5¼" diskettes. 26-245, 2.99**



## Disk drive cleaner kit

Removes oxide buildup in disk drives. Includes special 3½" and 5¼" cleaning diskettes and ½ ounce of fluid—enough for 20 cleanings. Easy to use and takes only seconds. **26-295..... 7.99**



## New Diskette storage

Holds sixty 3½" diskettes. Snap-tight lid keeps dust out. Stackable, stores a large number of diskettes in a small space. Also for PCMCIA cards. **26-367 ..... 4.99**



## New Multimedia box

Holds eighty 3½" diskettes or 16 CD-ROMs or 12 mini data cartridges or a combination. Built-in partitions—no parts to assemble. **26-366 ..... 6.99**



## Diskette storage boxes

Economical way to protect disks from dust and physical damage.
**For 3, 3½" disks. 26-213.. 1.09**
**For 10, 3½" disks. 26-273, 1.29**
**For 10, 5¼" disks. 26-274, 1.39**



## New Desktop storage

Convenient, easy-access storage for up to fifteen 3½" diskettes you use most. Vertical design takes up a minimum of space on your desktop. Will also hold PCMCIA cards. **26-368 .... 4.99**







## New CD sleeve flip file

Patented 2-pocket non-stick sleeves store CDs in ¼ the space of ordinary storage systems. Alphabetical spacers for fast location. Includes 50 sleeves. **26-374 ... 19.99**

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For desktop or portable use. Each box holds five diskettes. **26-1380 .... Pkg. of 2/2.99**

## Workstation organizer

Dividers let you arrange it to suit your needs—store your mouse, diskettes and supplies. Units lock together. **26-360 ..... Each 4.99**



## Economy storage for 3½" diskettes

Safeguard your diskettes against moisture and dust. Keeps up to forty 3½" diskettes organized and off your work space. The perfect storage container for archival and backup. **26-357 ..... 3.99**

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# Computer accessories to boost your productivity.



## Printer supports help maximize workspace

Saves space on desktop! Allows you to store fanfold paper under most 80-column printers. Easy to assemble. **26-236** ..... **6.99**



## Space-saving workcenter

The keyboard shelf slides under desktop and a drawer holds disks and other small items—maximizes workspace. This attractive, simulated woodgrain-finish desk is perfect for a home office or a student. It fits almost anywhere—just 28¼ × 43⅝ × 23⅝", overall. Complete with illustrated instructions for fast and easy assembly using ordinary household tools. **26-150**, **79.99**



## Computer workstation with printer cart

Ideal for small spaces, it's lightweight and sturdy—designed to provide years of service. Desk features a slide-out keyboard drawer and a mouse tray that mounts for "lefties" or "righties." Desk, 26 × 22 × 31". Roll-about printer cart, 22 × 16 × 14." Easy no-tool assembly and disassembly. **26-362** ..... **119.99**



## Printer stand with tray

Fanfold paper stores neatly underneath and feeds smoothly to practically any rear-loading 80- or 132-column printer.
**26-1392** ..... **12.99**



## Printer cover

This durable nylon cover fits most 80-column printers. Helps keep printer looking and performing like new while extending time between cleanings. **26-356** .. **6.99**



## Monitor cover

Protects your computer monitor from damaging dust. Fits most monitors up to 15" diagonal screen size, even with screen filters in place. **26-342** ..... **9.99**



## Keyboard cover

Fits most computer keyboards. Helps keep dust and other damaging contaminants from getting into hard-to-clean areas.
**26-343** ..... **4.99**



## Universal CPU stand

Sturdy 2-piece stand lets you place the CPU beside or beneath a desk, yet still up off the floor away from dust. You get more working space on your desk. Wide-base supports prevent accidental tipping and are padded to prevent scratching.
**26-119** ..... **9.99**



## PC security system with lock

Affordable and effective! Helps safeguard your PC by discouraging rip-offs. When properly installed, this system can't be removed with ordinary hand tools. Includes three quick-mount plates, steel cable, tamper-proof lock and two keys.
**26-348** ..... **17.99**



## PC accessory starter kit

Super value! Includes mouse pad, three 3½" high-density disks, disk storage box, slide-on copy holder, disk drive cleaner and a 6-outlet voltage surge protector to guard your PC against damaging AC line surges. **26-352** .... **29.99**



## Portable copy stand

With sliding line guide. Easily converts from vertical to horizontal format. **26-344** ..... **6.99**



New

## Smith Corona® word processor

Easy to use, powerful, Windows™ compatible! Features graphical user interface, pull-down menus, mouse, 14" monitor with 24-line display, daisy-wheel printer, 1.44MB 3½" disk drive. Built-in Lotus and WordPerfect converters, spreadsheet, dictionary, thesaurus, calendar, scheduler, lots more. **26-3985** .... **399.00**
Printer ribbon. (26-3981 CMC) RSU 10455830 ..... 8.99
Correction tape. (26-3982 CMC) RSU 10455848 .... 4.99

## Accessories for Tandy® Personal Digital Assistant

| Description | RSU No. | Cat. No. | Price |
|---|---|---|---|
| AC Adapter | | 273-1664 | 18.99 |
| Null Modem Cable | 10436384 | CMC 25-3101 | 24.99 |
| 2 Replacement Styli | 10436392 | CMC 25-3103 | 7.99 |
| Deluxe Stylus | 10436400 | CMC 25-3104 | 5.99 |
| Pocket Modem | 10456309 | CMC 25-3105 | 99.99 |
| Serial Modem Cable | 10436418 | CMC 25-3106 | 19.99 |
| PCMCIA Fax modem | 10436467 | CMC 25-3112 | 249.99 |
| Leather Case | 10436434 | CMC 25-3108 | 24.99 |
| Serial-to-parallel converter for printer | 10436806 | CMC 25-3113 | 89.99 |
| Form Factor Data Collection Software | 10445732 | CMC 25-3114 | 99.99 |
| Intellilink for Windows | 10436442 | CMC 25-3110 | 99.99 |

| Description | RSU No. | Cat. No. | Price |
|---|---|---|---|
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| New MobileComm® PCMCIA Pager | 11269818 | CMC 25-3117 | 279.99 |
| New Graffiti+ Cable | 11285244 | CMC 25-3118 | 79.99 |
| SunDisk FlashDisks | | | |
| 1.8MB Memory | 10436426 | CMC 25-3107 | 249.99 |
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# Radio Shack has the freshest batteries you can buy.



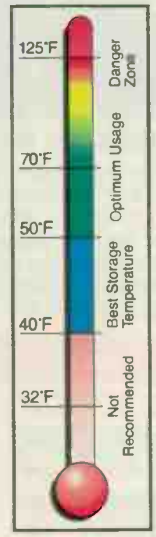

## We sell *millions* every week so they're always fresh and strong when you buy them

Because we sell so many so quickly, you can be sure that each Radio Shack battery you buy is ready to deliver peak performance. Our batteries must pass strict quality-control standards and they're consistently highly rated in independent consumer tests.

## Great values on the batteries you use every day—plus fast, easy access to "hard-to-find" types

Check the money-saving discounts on Value-Packs and Multi-Packs of our popular alkaline batteries (next page). Radio Shack is also your nearby source for batteries that other stores don't carry. We can supply almost any currently produced battery including special batteries used for computer backup, cameras, cordless phones, camcorders, pagers, medical equipment, and police and fire walkie-talkies.




## How hot and cold affect battery life and performance

When you use or store batteries, the temperature plays a big part in how well they work and how long they last. Zinc-chloride heavy-duty batteries work best when used at about 70 degrees Fahrenheit. Alkaline batteries are a better choice for use at low and moderately high temperatures.

If you use a battery on a really hot day, it produces more energy. But if you store a battery in a hot place, you'll reduce its shelf life. Batteries stored at a temperature above 125°F will deteriorate especially quickly, even without being used.

Cold has a big effect on batteries, too. If you use a battery when it's cold, two things will happen: it will put out less energy than it would at room temperature and it won't last as long. However, storing batteries in a cool place (between 40°F and 50°F) will increase the shelf life. If you move them from cool to hot several times, though, you'll actually shorten the shelf life.



**ENERCELL® Battery Guidebook**

A complete reference. You'll learn how to properly check batteries and how to choose the right battery for any application. 232 pages, illustrated. **62-1304. . . 5.99**

## Buzz Words

*AMPERE (A)—The unit for measuring electrical current. Often noted as milliamps (mA), thousandths of an ampere.*

*AMPERE-HOURS (Ah)—The measure of battery capacity. Ampere-hours equals current in amperes multiplied by time. The higher the number, the longer the battery will deliver useful power. Often noted as milliamp-hours (mAh), 1000ths of an ampere-hour.*

*DC—Direct current. Batteries produce direct-current electricity.*

*ENERGY—A battery uses chemicals to store energy. It converts this energy into useful electrical power when needed.*

*LEAKAGE—Over time, even "leak-proof" batteries can leak damaging chemicals. If you are not going to use equipment for some time, always remove the batteries.*

*POLARITY—Batteries have two terminals. One is positive (+). The other is negative (-). Always follow correct polarity (+ or -) when you install batteries.*

*VOLT (V)—The unit for measuring electrical pressure. A "D" size flashlight battery produces 1½ volts. Batteries are usually connected in series, which adds the voltages. For example, a radio that uses two "AA" batteries operates on 1½ + 1½ volts, or 3 volts DC (3VDC).*

## Q&A

*QUESTION:*
*What are the different types of batteries and what are the advantages of each?*

*ANSWER:*

***Radio Shack EXTRA-LIFE zinc-chloride batteries** (page 211) offer long storage life, low cost and good performance. They're ideal for things you use occasionally—flashlights, lanterns, portable radios, cassettes, walkie-talkies and toys.*

***Radio Shack ALKALINE batteries** (page 211) deliver up to seven times the service life of standard batteries. They're an excellent choice for smoke alarms, battery backup systems, remotes, testers and high-current devices such as portable TVs, stereos, CB walkie-talkies, and RC toys.*

***Radio Shack Ni-Cd batteries** (page 212) can be recharged and used over and over. Even though initial cost is higher, Ni-Cds are by far the most economical power source for portable devices you use often.*

***Radio Shack "button" batteries** (page 215) include Alkaline, Lithium, Silver Oxide and Zinc-Air types. These batteries pack a large amount of capacity into a small package. We stock button batteries for hearing aids, cameras, watches, alarm remotes, calculators, games and measuring instruments.*

Be friendly to your environment—always dispose of batteries properly.

World Radio History

# Compare our quality and low prices on batteries.

A LIMITED WARRANTY TO CONSUMERS
Good Housekeeping
PROMISES
REPLACEMENT OR REFUND IF DEFECTIVE










## Radio Shack ENERCELL® alkaline batteries have a double guarantee

These batteries are backed by the famous Good Housekeeping warranty and Radio Shack's own guarantee of performance*. You can count on them to keep equipment working harder and longer. High output at low temperatures, extra-long shelf-life and service-life are just a few of the advantages you get with ENERCELL alkalines. They're great for smoke alarms, portable CD players, radios, walkie-talkies, scanners, flashlights and more.

| | Replacement for | | | | | | |
|---|---|---|---|---|---|---|---|
| Radio Shack | Duracell | Eveready | Ray-O-Vac | Cat. No. | Quantity Per Pack | Price Per Pack | Buy 3 Packs of the Same Type, SAVE 10% |
| "AA" | MN1500 | E91 | 815 | 23-557 | 2 | 1.79 | 1.61 Per Pack |
| "AA" | MN1500 | E91 | 815 | 23-552 | 4 | 3.19 | 2.87 Per Pack |
| "AAA" | MN2400 | E92 | 824 | 23-555 | 2 | 1.79 | 1.61 Per Pack |
| "AAA" | MN2400 | E92 | 824 | 23-558 | 4 | 3.19 | 2.87 Per Pack |
| "C" | MN1400 | E93 | 814 | 23-551 | 2 | 2.69 | 2.42 Per Pack |
| "D" | MN1300 | E95 | 813 | 23-550 | 2 | 2.69 | 2.42 Per Pack |
| "N" | MN9100 | E90 | 81C | 23-023 | 2 | 1.79 | 1.61 Per Pack |
| 9V Rectangular | MN1604 | 522 | A-1604 | 23-553 | 1 | 2.39 | 2.15 Per Pack |

## Stock up and save! ENERCELL alkalines in Value-Packs and Multi-Packs

| | Replacement for | | | | | | |
|---|---|---|---|---|---|---|---|
| Value-Packs Radio Shack | Duracell | Eveready | Ray-O-Vac | Cat. No. | Quantity Per Pack | Price Per Pack | Buy 3 Packs of the same type, SAVE 10% |
| "AA" | MN1500 | E91 | 815 | 23-752 | 8 | 5.99 | 5.39 Per Pack |
| "AAA" | MN2400 | E92 | 824 | 23-755 | 8 | 5.99 | 5.39 Per Pack |
| "C" | MN1400 | E93 | 814 | 23-751 | 4 | 4.99 | 4.49 Per Pack |
| "D" | MN1300 | E95 | 813 | 23-750 | 4 | 4.99 | 4.49 Per Pack |
| 9V Rectangular | MN1604 | 522 | A-1604 | 23-753 | 2 | 4.39 | 3.95 Per Pack |

| | Replacement for | | | | | | |
|---|---|---|---|---|---|---|---|
| Multi-Packs Radio Shack | Duracell | Eveready | Ray-O-Vac | Cat. No. | Quantity Per Pack | Price Per Pack | Buy 3 Packs of the same type, SAVE 10% |
| "AA" | MN1500 | E91 | 815 | 23-652 | 12 | 7.99 | 7.19 Per Pack |
| "AAA" | MN2400 | E92 | 824 | 23-655 | 12 | 7.99 | 7.19 Per Pack |
| "C" | MN1400 | E93 | 814 | 23-651 | 8 | 8.99 | 8.09 Per Pack |
| "D" | MN1300 | E95 | 813 | 23-650 | 8 | 8.99 | 8.09 Per Pack |
| 9V Rectangular | MN1604 | 522 | A-1604 | 23-653 | 4 | 7.99 | 7.19 Per Pack |

*You must be satisfied with Radio Shack ENERCELL-brand alkaline batteries or return them with your receipt, within 30 days from date of purchase, for a one-time replacement or refund.

## Radio Shack EXTRA-LIFE heavy-duty zinc-chloride batteries

Why pay more? Each battery's special electrolyte core gives longer service life, plus up to three years of storage life. You'll appreciate the Miracle-Seal leak protection, too.

| | Replacement for | | | | | |
|---|---|---|---|---|---|---|
| Radio Shack | Eveready | Ray-O-Vac | Cat. No. | Quantity | Price | Buy 12 of the same type, SAVE 10% |
| "AA" | 1215 | 5AA | 23-582 | 1 | .45 | .40 Each |
| "AAA" | 912 | 400 | 23-584 | 1 | .45 | .40 Each |
| "C" | 1235 | 4C | 23-581 | 1 | .69 | .62 Each |
| "D" | 1250 | 6D | 23-580 | 1 | .69 | .62 Each |
| "N" | | 810 | 23-585 | 1 | .45 | .40 Each |
| 9V Rectangular | 1222 | D1604 | 23-583 | 1 | .99 | .89 Each |
| 6V Lantern | 1209 | 944 | 23-016 | 1 | 3.99 | 3.59 Each |
| "C" | 1235 | 4C | 23-681 | 4-Pack | 2.39 | 2.15 Per Pack |

## *It's easy to know if the problem is just weak batteries*



### 8-range battery tester

Our best! Tests under load for high accuracy. For use with virtually all common batteries. Checks 1.5V (3 ranges), 3, 6, 9, 12 and 22.5-volt batteries. 22-032, 14.99



### Battery checker with easy-to-read scale

Tests general-purpose, alkaline, mercury and charged Ni-Cd batteries. Color-coded scale shows the battery's condition at a glance: green = good, yellow = weak, red = replace. Tests "C," "D," "AA," "AAA," "N," and 9V rectangular sizes.

22-096 ..... 8.99

### New Pocket-size battery checker

*Available Dec. 15, 1995*

Is your portable radio broken, or is it just the batteries? You'll know for certain with this easy-to-use tester. You can also make sure that the batteries in your camera or tape recorder are fresh. Tests "D," "C," "AA," AAA," "N" and 9-volt batteries.



22-093 ..... 4.99

See page 219 for larger quantity discounts on batteries.

World Radio History

# Money-saving Ni-Cd batteries and chargers.



## 7-hour Ni-Cd conditioner and charger

Conditions Ni-Cd batteries by completely discharging them before recharging—your batteries charge to full capacity each time. Charges two or four "C", "D", "AA", or "AAA" Ni-Cds in seven hours, or two 9V batteries in 14 hours. Charging indicator lights. Reverse-polarity protection. **23-243** ..... **21.99**



## Deluxe overnight charger

Accepts up to 10 Ni-Cds of different sizes at the same time. Charges 9V, "D", "C", "AA" sizes, plus "AAA" and "N" batteries with adapter modules listed below. Charge/discharge lights. **23-134** ..... **29.99**
**"AAA" Modules. 23-135** ..... **Pkg. of 4/1.99**
**"N" Modules.** (23-137 CMC)
**RSU 11286218** ..... **Pkg. of 4/1.99**

### Ni-Cds Save You Money

*Even though Ni-Cd batteries cost more than regular batteries, they save you money in the long run. Here's one example: An independent study has shown that the total cost of using alkaline batteries in a headset radio operated two hours a day for three years is about $633. The cost of using Ni-Cds instead—including the cost of the recharger and electricity—would be about $26. That's a $607 savings! What's more, Ni-Cds are friendlier to our environment. Using them in place of standard batteries produces much less waste.*



## 2-hour universal Ni-Cd charger

Super-fast charging rate is precision regulated to prevent overcharging which can damage your batteries. Charges two or four "D", "C", "AA" or "AAA"-size batteries to full capacity in only two hours, or two 9V batteries in five hours. Auto shutoff. **23-239** ..... **29.99**



## Overnight "AA" battery charger

The economical choice for recharging batteries for personal portables and camera accessories. Fully charges two or four "AA" nickel-cadmium batteries in about 14 hours. No wires—plugs directly into a 120VAC wall outlet. Compact and ideal for traveling. Charging indicator lights. **23-133, 6.99**



## Standard charger

For 9V, "D", "C" and "AA" sizes, plus "AAA" and "N" batteries with the modules below. Recharges 2 pairs of different sizes at the same time (total of 4). **23-132** ... **12.99**
**"AAA" Modules. 23-135** ..... **Pkg. of 4/1.99**
**"N" Modules.** (23-137 CMC)
**RSU 11286218** ..... **Pkg. of 4/1.99**



## Standard rechargeable Ni-Cds

Replace those old batteries with Ni-Cds and save money! Use this handy cross-reference to find the replacement batteries you need.

| Size | Volts | Amp/H | Replacement for Duracell | Eveready | GE | Cat. No. | Price |
|---|---|---|---|---|---|---|---|
| "D" | 1.25 | 1.600 | NC13 | CH50 | GC3 | 23-123 | 2-Pk./6.99 |
| "C" | 1.25 | 1.600 | NC14 | CH35 | GC2 | 23-124 | 2-Pk./6.99 |
| 9V | 7.2 | 0.065 | NC1604 | CH22 | GC9 | 23-126 | Ea./8.99 |
| "AA" | 1.25 | 0.650 | NC15 | CH15 | GC1 | 23-125 | 2-Pk./5.49 |
| "AAA" | 1.25 | 0.180 | NC24 | CH12 | — | 23-127 | 2-Pk./5.99 |
| "N" | 1.25 | 0.150 | — | — | — | 23-121 | 2-Pk./5.39 |



## Universal quick charger

Charges standard "D", "C", 9V, "AA", and "AAA" Ni-Cds in five hours. Our HIGH-CAPACITY "D", "C" and "AA" Ni-Cds require longer charging time. Holds six batteries at a time (except 9V). **23-233** ..... **27.99**



## "AA", "AAA", and 9V 7-hour quick charger

Fully charges up to two 9V or four "AA" or "AAA" nickel-cadmium batteries in seven hours. Automatic regulation prevents battery overcharging. Reverse polarity protection prevents battery damage.
**23-236** ..... **9.99**



## 3-hour "AA" battery charger and conditioner

Auto-discharges your batteries before charging. This keeps your batteries fresh, so they deliver more power over a longer period of time. Automatic timer switches charger off after three hours. Reverse polarity protection protects batteries. Charging and discharging indicator lights.
**23-242** ..... **16.99**



## Pocket "AAA" and "AA" quick charger

Compact size slips easily into pocket or purse. Great for traveling—you can recharge batteries for cameras or personal electronics anywhere there's a 120VAC outlet. Fully recharges two or four "AA" or "AAA" Ni-Cd batteries in just seven hours. Automatic regulation prevents overcharging. Charging indicator lights. **23-246** ..... **12.99**



## HI-CAPACITY™ the extra edge

The ideal choice for high-current equipment such as cordless tools, portable CDs, tape players.

| Size | Volts | Ampere Hour | Cat. No. | Price |
|---|---|---|---|---|
| "D" | 1.25 | 4.3 | 23-140 | 7.99 |
| "C" | 1.25 | 2.0 | 23-141 | 6.99 |
| "AA" | 1.25 | 0.85 | 23-149 | 6.99 |

| Cat. No. | Cells | Charging Time (Hours) | 9V | Charging Time (Hours) | Conditioner | Charging LED | Discharging LED | Auto Regulate | Charging Timer | Charges Hi-Capacity Ni-Cds | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23-133 | (4) AA | 14 | | | | Yes | | Yes | | | 6.99 |
| 23-236 | (4) AA, AAA | 7 | 2 | 14 | | Yes | | Yes | | | 9.99 |
| 23-132* | (4) D, C, AA, AAA, N | 14 | 1 | 14 | | Yes | | Yes | | | 12.99 |
| 23-246 | (4) AA, AAA | 7 | | | | Yes | | Yes | | | 12.99 |
| 23-242 | (4) AA | 3 | | | Yes | Yes | Yes | | Yes | | 16.99 |
| 23-243 | (4) D, C, AA, AAA | 7 | 2 | 14 | Yes | Yes | Yes | Yes | | | 21.99 |
| 23-233 | (6) D, C, AA, AAA | 5 | 2 | 5 | | Yes | | | Yes | Yes | 27.99 |
| 23-134* | (10) D, C, AA, AAA, N | 14 | 2 | 14 | | Yes | | Yes | | | 29.99 |
| 23-239 | (4) D, C, AA, AAA | 2 | 2 | 5 | | Yes | | Yes | | | 29.99 |

* Charges "N" size with optional module

Always follow local laws when disposing of any battery /Battery chargers are UL listed AC—batteries not included.

World Radio History

# Special-purpose rechargeable batteries.





### AC/DC fast charger

Dual powered! Uses 120VAC house current or 12VDC from car/truck battery to charge 7.2 or 8.4-volt RC Ni-Cd battery pack in 30 minutes or less.
**23-235** ..... **69.99**



### Portable DC fast charger

Connects to 12VDC automotive battery. Recharges 7.2V Ni-Cd battery pack in just 20 minutes.
**23-232** ..... **29.99**

## For RC vehicles



### Ultra-lightweight 7.2V racing battery pack

Get the most speed from your RC vehicles with this lightweight Ni-Cd battery pack. Six-battery pack weighs a mere 320 grams! 1200mAh. **23-230** ..... **19.99**



### "Hotshot" 9.6V Ni-Cd turbo battery pack

Put extra zip in your RC equipment and leave the competition eating dust! Eight-cell short pack is rated 9.6V at 600mAh.
**23-229** ..... **19.99**



### New 6V RC turbo racing pack

Top off your racer with high-performance power! For selected 6V RC cars. 600mAh.
**23-228** ..... **14.99**



### 4.8V turbo racing battery pack

For use with #23-244 turbo racing battery pack charger, below. Tamiya connector makes connecting the battery and charger easy and safe. 600mAh. **23-245** .... **10.99**

## For phones & camcorders



### 12V camcorder/cellular phone

Top-quality sealed lead-acid battery pack for use with our transportable CT-1033 cellular phone (#17-1006) plus many name-brand camcorders and cellular phones. 2300mAh. **23-187** ..... **39.99**



### VHS camcorder

For our Model 100 MovieCorder and many other brands. 12 volts, 1500mAh.
**23-183**..... **39.99**



### 6V RCA/Hitachi

For use with many RCA and Hitachi camcorders. 6 volts, 1600mAh.
**23-217**..... **39.99**



### 9.6V VHS

For Radio Shack Models 101/125 and many others. 9.6 volts, 1500mAh.
**23-186**..... **39.99**



### Canon, SunPak

For use with many Canon and SunPak camcorders. 6 volts, 1200mAh.
**23-218**..... **39.99**

## Chargers



### New Ni-Cd charger

For RCs, walkie-talkies. Charges in 8-12 hrs. (Replaces #21-516 adapter)
**23-249** ..... **6.99**



### 9.6V charger

Recharges 9.6V battery pack in 14 hours. Has Tamiya quick-connect. For #23-229, above.
**23-240** ..... **9.99**



### 7.2V charger

Use with #23-230, above, and most other 7.2V battery packs. Charging indicator light.
**23-241** ..... **9.99**



### 4.8V charger

Designed to be used with 4.8V racing pack, #23-245, above. Recharges in 14 to 16 hours.
**23-244**..... **9.99**



### New 8mm & VHS-C charger

Conditions and charges Ni-Cd and Nickel-Metal Hydride camcorder batteries.
**23-248** ..... **44.99**



### 6V 8mm TriPak

For Sony Handycam, VHS-C Palmcorder and other models. 6 volts, 1500mAh.
**23-215** ..... **29.99**



### New 8mm/VHS-C

Built-in power meter. For selected JVC, Sony, Panasonic, Sharp camcorders. 1800mAh.
**23-219**..... **69.99**



### 8mm high-capacity

Extends shooting time between charges. 6 volts, 2000mAh.
**23-216**..... **49.99**



*Available Sept. 30, 1995*

### New 12V VHS

Top-quality sealed lead-acid battery pack for camcorders. 12 volts, 2000mAh.
**23-287** ..... **29.99**

## Battery-pack charger and Ni-Cds



*Battery not included*

*Available Sept. 30, 1995*

### New Deluxe charger

For 4.8, 6.0, 7.2 and 9.6-volt cellular, camcorder, notebook computer battery packs. Polarity, temperature protection. With AC and DC adapters. **23-250** ..... **49.99**



### "AA" and "Sub C" Ni-Cds

Can replace manufacturers' original rechargeable batteries in many cordless shavers and other equipment.
"Sub C". **23-190**..... Pkg of 2/7.99
"AA". **23-191** ..... Pkg of 2/5.99



### New VHS-C/8mm battery tester

Shows how much power is left *before* you start shooting.
**22-094**..... **12.99**

Our AC-operated battery-pack chargers meet electrical safety standards set by Underwriters Laboratories.

World Radio History

# Radio Shack has those hard-to-find batteries.




**Batteries for photography, computers and other electronic equipment**

Hard-to-find batteries and battery packs to fit many cameras, personal computers, plus lots of other electronic equipment.

| Fig. | Radio Shack | Replacement for Duracell | Eveready | Panasonic | Cat. No. | Price |
|---|---|---|---|---|---|---|
| 1 | BRP2 | — | — | BPR2 | 23-175 | 12.99 |
| 2 | 2CR5 | DL245 | EL2CR5BP | 2CR5 | 23-178 | 12.99 |
| 3 | DL223 | DL223 | EL223ABP | CRP2 | 23-179 | 12.99 |
| 4 | 7K67 | 7K67 | 539 | — | 23-471 | 4.99 |
| 5 | DL123 | DL123 | EL123AP | CR123 | 23-155 | 7.99 |
| 6 | 2CR1/3N | PX28L | L544 | — | 23-266 | 8.29 |
| 7 | CR1/3N | DL1/3N | 2L76 | — | 23-265 | 4.79 |
| 8 | CR2 | — | — | CR2 | 23-267 | 6.99 |




**We stock the hard-to-find batteries you won't find at other stores.**

Radio Shack carries an immense number of batteries, including many special types you won't find anywhere else. Since we sell so many, so fast, ours are always fresh and strong.

| Fig. | Volts | Replacement for Duracell | Eveready | Panasonic | Cat. No. | Price |
|---|---|---|---|---|---|---|
| New 9 | 12.0 | — | — | — | 23-289 | 24.99 |
| 10 | 7.0 | TR175 | E175 | T175 | 23-1503 | 5.99 |
| 11 | 6.0 | PX32A | E164 | — | 23-1502 | 6.99 |
| 12 | 22.5 | M505 | 505 | 221 | 23-510 | 6.99 |
| 13 | 12.0 | M926 | 732 | 926 | 23-007 | 11.99 |
| 14 | 6.0 | —Rechargeable 2.5 Ah— | | | 23-181 | 14.99 |
| 15 | 12.0 | — | — | — | 23-144 | 2.99 |
| 15 | 12.0 | — | — | — | 23-154 | Pkg. of 2/5.49 |
| 16 | 6.0 | PX28AB | A544 | RPX28 | 23-469 | 3.49 |
| 17 | 1.4 | DA-630 | — | — | 23-1501 | Pkg. of 4/5.99 |
| 18 | 1.5 | PX625 | E625 | — | 23-1504 | 2.59 |
| 19 | 1.45 | DA675 | AC675 | R675ZA | 23-150 | Pkg. of 2/1.99 |







### Energizer® "AA" lithium

High-energy battery outlasts alkaline with three times the performance. Perfect for high-drain devices like CD players, computers, cellular phones and cameras. Outstanding performance in extreme temperatures. Amazing 10-year shelf life.

**23-664** ..... Pkg. of 2/6.99




### 9V lithium smoke detector battery

Use with confidence! Reliability and longer life between battery changes make this a must for important devices like smoke detectors, wireless alarm systems, even garage door openers. **23-665** ..... 6.99




### New 7.2 V Ni-Cd battery pack for handheld scanners

Six-cell "AA" battery pack recharges in scanner or stand. 600 mAh. Charging indicator. Requires #273-1665 AC adapter. Available Oct. 15, 1995. **23-288, 34.99.** For use with Radio Shack handheld scanners: #20-131/132/133/134/135/137/138/300/302/303/304/307/309/560.



### New Ni-Cd pack for Sony Discman®

2.4V battery pack is the perfect choice for your Sony Discman® portable CD player. Saves money—fewer battery changes. 600 mAh. Fits most Sony Discman® models.

**23-220**..... 16.99



### New 6V Ni-Cd battery pack for portable CDs

Your best choice in batteries for Radio Shack's CD-3440 (42-5051) and CD-3490 (42-5055) portable CD players. Instead of having to run to the store for yet another set of batteries, just recharge this one. Capacity, 600 mAh. Available Sept. 30, 1995. (23-1006 CMC) **RSU 11377181** ..... 12.99

Always follow local laws when disposing of any battery.

Items with an RSU, CMC or NP number are available fast, delivered to your door from Radio Shack Unlimited℠. Shipping charges may apply.

World Radio History

# Wide selection of special-purpose batteries.



(1)

## Air-activated hearing aid batteries are ready to go when you need them

(1) Long-life batteries are lightweight, yet have about twice the capacity of other types. Air-seal protected for long shelf life—they're fresh and strong when you open them. 1.45V.

| Radio Shack | Replacement for | | | Package of 4 | | | Package of 6 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Duracell | Eveready | Ray-O-Vac | Cat. No. | Per Pack | Buy as few as 3 packs and save 10% | Cat. No | Per Pack | Buy as few as 3 packs and save 10% |
| 675HPX | DA675 | AC675E | R675ZA | 23-257 | **3.79** | **3.41 Per Pack** | — | — | — |
| 13HPX | DA13 | AC13E | R13ZA | 23-258 | **3.79** | **3.41 Per Pack** | 23-262 | **5.39** | **4.85 Per Pack** |
| 312HP | DA312 | AC312E | R312ZA | 23-259 | **3.79** | **3.41 Per Pack** | 23-263 | **5.39** | **4.85 Per Pack** |
| 230HPX | 230HPX | AC230E | R10ZA | 23-256 | **3.79** | **3.41 Per Pack** | — | — | — |



(2)

## High-energy lithium batteries for watches and calculators

(2) Delivers high-energy output and long life to keep all your equipment working harder and longer! Easily outperform ordinary batteries. Always keep extras on hand.

| Radio Shack | Replacement for | | | Cat. No. | Each |
|---|---|---|---|---|---|
| | Duracell | Eveready | Ray-O-Vac | | |
| CR2016H | DL2016 | ECR2016 | BR2016 | 23-160 | **2.79** |
| CR2025 | DL2025 | ECR2025 | BR2025 | 23-161 | **2.79** |
| CR2032 | DL2032 | ECR2032 | BR2032 | 23-162 | **2.79** |
| CR2430 | DL2430 | ECR2430 | BR2430 | 23-166 | **2.79** |
| CR1616 | DL1616 | ECR1616 | — | 23-167 | **2.79** |
| CR2325 | — | — | BR2325 | 23-169 | **2.79** |
| CR1220 | DL1220 | ECR1220 | — | 23-188 | **2.79** |



(3)

## Radio Shack silver-oxide watch and calculator batteries

(3) Specially formulated to keep working longer and harder than "regular" batteries. Custom engineered for electronics applications. We have a replacement for most brands.

| Radio Shack | Replacement for | | | | Cat. No. | Each | Save! 10 of Same Type Only |
|---|---|---|---|---|---|---|---|
| | Duracell | Eveready | Ray-O-Vac | Other | | | |
| 76 | D357 | EPX76 | RW22/42 | G13, 541 | 23-009 | **2.79** | **1.98 Each** |
| 389 | D389 | 389 | 389-1W | G10, V10GS | 23-101 | **2.79** | **1.98 Each** |
| 392 | D392 | 392 | 392-1W | G3, 547 | 23-102 | **2.79** | **1.98 Each** |
| 393 | D393 | 393 | 393-1W | G5, 546 | 23-103 | **2.79** | **1.98 Each** |
| 303 | D303 | 303 | 303-1W | GS14, 521, 313 | 23-104 | **2.79** | **1.98 Each** |
| 357 | D357 | 357 | 357-1W | G13, 541 | 23-105 | **2.79** | **1.98 Each** |
| 386 | D386 | 386 | 386-1W | G12, 548 | 23-106 | **2.79** | **1.98 Each** |
| 391 | D391 | 391 | 391-1W | G8, V8GS | 23-107 | **2.79** | **1.98 Each** |
| 362 | D362 | 362 | 362-1W | Type S, 532, SR721 | 23-110 | **2.79** | **1.98 Each** |
| 364 | D364 | 364 | 364-1W | Type T, 531, SR621 | 23-111 | **2.79** | **1.98 Each** |
| 396 | D396 | 396 | 396-1W | Type V, 556, SR726 | 23-112 | **2.79** | **1.98 Each** |
| 399 | D399 | 399 | 399-1W | Type W, 543, SR926/7 | 23-113 | **2.79** | **1.98 Each** |
| 390 | D390 | 390 | 390-1W | 603, 534, SR1130 | 23-201 | **2.79** | **1.98 Each** |
| 329 | D329 | 329 | 329-1W | 24, 525, 388 | 23-202 | **2.79** | **1.98 Each** |
| 371 | D371 | 371 | 371-1W | SR920, 30, 537 | 23-203 | **2.79** | **1.98 Each** |
| 377 | D377 | 377 | 377-1W | SR626, 37 | 23-204 | **2.79** | **1.98 Each** |
| 384 | D384 | 384 | 384-1W | SR41, 10, 527, L736, 325 | 23-205 | **2.79** | **1.98 Each** |
| 395 | D395 | 395 | 395-1W | SR926, 25, 523 | 23-206 | **2.79** | **1.98 Each** |
| 397 | D397 | 397 | 397-1W | SR726, 26, 536 | 23-207 | **2.79** | **1.98 Each** |
| 319 | D319 | 319 | 319-1W | SR527SW, 615, 8067 | 23-208 | **2.79** | **1.98 Each** |
| 379 | D379 | 379 | 379-1W | SR521SW, 8073 | 23-209 | **2.79** | **1.98 Each** |



(4)

## Heavy-duty alkaline and silver-oxide batteries for games and calculators

(4) Long-lasting alkaline batteries keep on performing, even under high-current-drain conditions. Choose alkaline, or silver oxide for even longer life. Keep extras on hand.

| Radio Shack | Replacement for | | | Alkaline | | Silver Oxide | |
|---|---|---|---|---|---|---|---|
| | Duracell | Eveready | Maxell | Cat. No. | Each | Cat. No. | Each |
| 357A | — | A76 | LR44 | 23-115 | **1.99** | 23-105 | 2.79 |
| 386A | D186AB | 186 | LR43 | 23-116 | **1.99** | 23-106 | 2.79 |
| 389A | D189AB | 189 | LR1130 | 23-117 | **1.99** | 23-101 | 2.79 |
| 391A | D191AB | 191 | LR1120 | 23-118 | **1.99** | 23-107 | 2.79 |



## *Radio Shack is your "hotline" to everything in batteries and battery packs—shop us first and save time*

*Your nearby Radio Shack store can supply virtually any consumer-type battery currently in production. Our comprehensive selection includes "communications" batteries used in police, fire and emergency walkie-talkies, special batteries for cordless phones, computer memory, camcorders, pagers, medical equipment, camera flash units, and many more. Whatever you need in a battery, we can probably get it for you with Radio Shack Unlimited. We place your order on our "hotline" and your batteries are rushed directly to you (see pages 4-5).*

More money-saving quantity prices are available on batteries—see page 217.

World Radio History

# Rechargeable Ni-Cd replacement batteries.




## Cellular telephone batteries

Replace the worn-out rechargeable batteries in your cellular phone with fresh new ones from Radio Shack. We carry a large selection of replacement batteries that fit many cellular makes and models.

| Fig. | Volts | Ah* | Replaces | Cat. No. | Price |
|---|---|---|---|---|---|
| New 1 | 6 | 0.600 | Motorola Microtac Series | 23-1007 | 69.99 |
| New 2 | 6 | 1.2 | Motorola Microtac Series | 23-1008 | 39.99 |
| New 3 | 7.2 | 1.4 | Motorola Classic Series | 23-1009 | 49.99 |
| New 4 | 7.2 | 2.6 | Motorola Classic Series | 23-1010 | 69.99 |
| New 5 | 7.2 | 0.400 | Nokia 101, Radio Shack #17-1063 | 23-1011 | 49.99 |
| New 6 | 7.2 | 1.1 | Nokia 101, Radio Shack #17-1063 | 23-1012 | 39.99 |
| New 7 | Conditioner/Charger for batteries listed above & most other cellular phone types with optional charging plates | | | 23-401 | 69.99 |

## Your nearby Radio Shack stocks these unique Ni-Cd battery packs

Replacement rechargeable batteries for many types of cordless equipment—power tools, kitchen appliances, flashlights, telephones, toothbrushes, electric razors, much more.

| Fig. | Type | Volts | Ah* | Cat. No. | Price |
|---|---|---|---|---|---|
| 8 | Pack | 3.60 | 0.280 | 23-171 | 8.99 |
| 9 | Pack | 3.60 | 0.250 | 23-176 | 9.99 |
| 10 | Pack | 3.60 | 0.280 | 23-177 | 8.99 |
| 11 | Pack | 3.75 | 0.650 | 23-170 | 8.99 |
| 12 | Pack | 4.80 | 0.250 | 23-173 | 11.99 |

## Cordless telephone replacement battery packs

Replace those tired cordless phone batteries with a fresh set of Radio Shack rechargeables. Photos at the left show the type of connector plug used on each battery pack.

| Fig. | Volts | Ah* | Connector | Cat. No. | Each |
|---|---|---|---|---|---|
| 13 | 3.6 | 0.250 | E | 23-196 | 9.99 |
| 14 | 3.6 | 0.280 | A | 23-192 | 9.99 |
| 15 | 3.6 | 0.250 | B | 23-197 | 9.99 |
| 16 | 3.6 | 0.280 | C | 23-199 | 9.99 |
| 17 | 3.6 | 0.280 | D | 23-194 | 9.99 |
| 18 | 3.6 | 0.280 | A | 23-195 | 9.99 |
| 19 | 4.0 | 0.500 | For Sony | 23-198 | 16.99 |
| 20 | 3.6 | 0.250 | Plate | 23-172 | 9.99 |
| New 21 | 3.6 | 0.280 | D | 23-280 | 9.99 |
| New 22 | 3.6 | 0.280 | A | 23-281 | 9.99 |
| New 23 | 3.6 | 0.280 | E | 23-282 | 9.99 |
| 24 | 3.6 | 0.650 | A | 23-193 | 9.99 |

* Ah = ampere hours. Money-saving quantity prices are available on batteries—see page 217.

Prices apply at participating Radio Shack stores and dealers. Not all items in all stores—ask about our ordering service (items subject to availability).

World Radio History

## Buy in Quantity and Save! Get Up to 40% Off!

Quantity buyers and purchasing agents can get big discounts on the 1996 Catalog "each" prices. Save on thousands of items—for premiums, promotions, educational and institutional needs. Call or visit your nearest Radio Shack to order. Terms: NET 30 days, FOB Radio Shack store or warehouse nearest you. Discounts to be taken off single unit prices. Items may not be assorted. Discounts apply only to Radio Shack brands (Examples: Radio Shack, Optimus, Safehouse, Tandy). National-brand products do not qualify for quantity discounts. (Examples: AST, Casio, Duracell, Eveready, Franklin, IBM, Kodak, Packard Bell, Psion, RCA, Smith Corona, Sony, etc.)

| Equipment | 3-5 | 6-11 | 12-49 | 50-499 | 500-Up |
|---|---|---|---|---|---|
| Antennas, TV/FM | ... | 10% | 15% | 20% | 25% |
| Audio Components (Receivers, Amps, Tuners, Turntables, Speakers, Headphones, Equalizers, CD Players) | ... | 10% | 15% | 20% | 25% |
| Audio Accessories and Parts | ... | ... | 15% | 25% | 33% |
| Auto Sound Tape Players, Radios, Accessories | ... | 10% | 15% | 20% | 25% |
| Batteries (Radio Shack Brand) | ... | ... | 10% | 20% | 30% |
| Batteries (RS Super Alkaline AA, AAA, C, D, N, 9V Same Cat. No. Only) | 10% | 10% | 10% | 20% | 30% |
| Batteries (Other Cataloged Brands) | ... | 5% | 7% | 10% | 20% |
| Batteries, Hearing Aid/Zinc Air (Radio Shack Brand Only) | 10% | 10% | 10% | 20% | 30% |
| Batteries, Watch ( Radio Shack Brand Only) | ... | ... | See Page 215 | | 30% |
| Books | ... | 10% | 20% | 25% | 33% |
| Calculators, Data Organizers | ... | 5% | 10% | 15% | 20% |
| CB (Base, Mobile, Walkie-Talkies) | ... | 10% | 15% | 20% | 25% |
| CB Antennas, Accessories | ... | 10% | 15% | 20% | 25% |
| Cable and Wire (Bulk Pack Only) 200-499 Ft | | 15% Off per Foot | | | |
| Cable and Wire (Bulk Pack Only) 500 Ft. & Up | | 20% Off per Foot | | | |
| Computers, Notebooks, Computer Printers, Peripherals (Tandy Brand Only) | ... | 5% | 7% | See manager | |
| Computer Software | ... | 7% | 12% | 17% | 20% |
| Computer Accessories, Supplies | ... | 7% | 12% | 17% | 20% |
| Electronic Components, Packaged Wire & Cable, AC/DC Adapters | ... | ... | 10% | 25% | 33% |
| Electronic Games, Space Patrol Walkie-Talkies | ... | 5% | 10% | 12% | 20% |
| Fax Machines/Copier | ... | 5% | 7% | 10% | 15% |
| Fax/Copier Supplies, Accessories | ... | 10% | 15% | 20% | 25% |
| Intercoms | ... | 10% | 15% | 20% | 25% |
| Kits (Science Fair) | ... | 5% | 10% | 15% | 20% |
| Microphones | ... | 10% | 15% | 20% | 25% |
| Music Systems (Portables, Rack, Compacts, Karaoke) | ... | 5% | 10% | 15% | 20% |
| PA Equipment | ... | 10% | 15% | 20% | 25% |
| Radar Detectors | ... | 10% | 15% | 20% | 25% |
| Radios (Clock, Portable, Stereo, Novelty) | ... | 7% | 12% | 17% | 20% |
| Radio-Controlled Toys | ... | 5% | 10% | 12% | 20% |
| Scanners, Communications Receivers | ... | 10% | 15% | 20% | 25% |
| Security Devices | ... | 7% | 12% | 20% | 25% |
| Speakers (Unmounted) | ... | 10% | 15% | 20% | 25% |
| Spell Checkers and Electronic Reference | ... | 5% | 7% | 12% | 15% |
| Tape Recorders and Players | ... | 10% | 12% | 17% | 20% |
| Tape, SUPERTAPE Audio Recording Cassettes (Same Cat. No. Only) | 10% | 10% | 20% | 30% | 40% |
| Tape, Audio Microcassette MC-60, MC-90 Only | 14% | 14% | 14% | 14% | 14% |
| Tape, Video Recording Cassettes Only | | (No Discount) | | | |
| Tape Accessories | ... | ... | 10% | 20% | 25% |
| Telephones (Also Dialers, Answerers, Amps, Controllers) | 10% | 12% | 15% | 20% | 25% |
| Telephone Accessories (279-Series) | ... | ... | 10% | 25% | 33% |
| Telephones, Cellular, Pagers | ... | ... | 5% | 10% | 15% |
| Televisions, VCRs, Camcorders, Satellite Systems | ... | 5% | 7% | 10% | 15% |
| TV/Video Accessories | ... | ... | 10% | 20% | 25% |
| Test Equipment, Power Supplies | ... | 10% | 15% | 20% | 25% |
| Timers, Electrical Accessories, Plug 'n Power, Flashlights, Clocks, Watches, Laser Pointers, Metal Detectors, Health, Home Products | ... | 5% | 7% | 10% | 20% |
| Tools, Solder, Hardware, Chemicals | ... | 5% | 7% | 10% | 20% |
| Transceivers (Business, Personal, Amateur Bands) | ... | 10% | 15% | 20% | 25% |
| Wordprocessors | ... | 5% | 7% | See manager | |

**International Sales Opportunities: We are seeking distributors to sell Radio Shack products in their markets through existing stores or networks. For information, fax: 01-817-390-3805**

### Radio Shack ValuePlus® Credit

No Annual Fee to Pay

Our ValuePlus revolving credit program gives you your own personal line of credit for use at Radio Shack. Budget your purchases with monthly payments or pay your balance in full at any time and avoid finance charges for the current billing cycle. Actual payments may vary depending upon highest account balance. Applications are available at participating Radio Shack stores and dealers.

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If you have sales ability, are willing to work to achieve maximum results and are interested in compensation keyed to productivity, then one of our Radio Shack store training programs may be the career opportunity that you've been looking for. Thanks to our continuing growth, career opportunities are available in many market areas. Write to our National Headquarters, below, for the District Sales Office nearest you.



**RETAIL EMPLOYMENT, Dept. 472**
500 One Tandy Center, Fort Worth, TX 76102
An Equal Opportunity/Affirmative Action Employer

## Tandy Service Plans are available at Radio Shack stores nationwide

TSP Radio Shack's commitment to service includes affordable buyer protection. TSPs are available for many of our products. Convenient and easy to start, these Plans take the worry out of maintaining your equipment and extend parts and labor coverage to a total of five years in many cases. Initial coverage is inclusive of normal product warranty. Service is performed by expert technicians in our own Service Centers and is available through our participating locations nationwide.

Look for "(TSP)" preceding the catalog number in product descriptions as in the example below.

179-channel tuner, 1-year/8-event timer, A/V inputs. Remote requires 2 "AA" batteries. (TSP)
16-654 ..... 399.99

| Series | Description | Price | Years |
|---|---|---|---|
| 12 | Sound Items *below* $50 | 14.95 | 3 |
| 12 | Sound Items *below* $100 | 24.95 | 3 |
| 12 | Sound Items *above* $100 | 34.95 | 3 |
| 13 | Systems *below* $500 | 49.95 | 3 |
| 13 | Systems *above* $500 | 99.95 | 5 |
| 14 | Decks *below* $100 | 39.95 | 5 |
| 14 | Decks *above* $100 | 59.95 | 5 |
| 14 | Cassettes *below* $50 | 19.95 | 3 |
| 14 | Cassettes *below* $100 | 29.95 | 3 |
| 14 | Cassettes *above* $100 | 39.95 | 3 |
| 15 | Video Items *below* $100 | 19.95 | 3 |
| 15 | Video Items *above* $100 | 29.95 | 3 |
| 16 | Video Cassette Players and VCP/TV combos | 79.95 | 3 |
| 16 | Laser Disc/CD Players and VCR/TV Combos | 139.95 | 3 |
| 16 | VCRs | 79.95 | 3 |
| 16 | Televisions, Pocket | 49.95 | 1 |
| 16 | Televisions, B&W | 29.95 | 3 |
| 16 | Televisions, Color | 79.95 | 3 |
| 16 | Camcorders | 79.95 | 1 |
| 16 | Camcorders | 199.95 | 3 |
| 17 | Cellular (mobile only) | 59.00 | 3 |
| 17 | Cellular (all others) | 89.00 | 3 |
| 19 | Transceivers | 39.95 | 5 |
| 20 | Scanners *below* $200 | 39.95 | 5 |
| 20 | Scanners *above* $200 | 59.95 | 5 |
| 20 | Shortwave Radios | 19.95 | 3 |
| 21 | Communication *below* $50 | 19.95 | 3 |
| 21 | Communication *above* $50 | 39.95 | 3 |
| 22 | Radar Detectors | 39.95 | 3 |
| 22 | Multitesters | 9.95 | 3 |
| 31 | STA/SCR Receivers | 59.95 | 5 |
| 31 | Equalizers | 39.95 | 5 |
| 32 | PA Systems *below* $50 | 19.95 | 5 |
| 32 | PA Systems *above* $50 | 39.95 | 5 |
| 33 | Headphones/Mics *below* $50 | 19.95 | 3 |
| 33 | Headphones/Mics *above* $50 | 29.95 | 3 |
| 42 | Musical Keyboards | 29.95 | 5 |
| 42 | LAB Turntables | 29.95 | 5 |
| 42 | Components *below* $50 | 19.95 | 5 |
| 42 | CD Players | 59.95 | 5 |
| 43 | TAD Answering Devices | 39.95 | 3 |
| 43 | Phones/Intercoms *below* $50 | 10.95 | 3 |
| 43 | Phones/Intercoms *below* $100 | 24.95 | 3 |
| 43 | Phones *above* $100 | 34.95 | 3 |
| 43 | FAX Machines | 99.95 | 3 |
| 49 | Alarm Control Units | 29.95 | 3 |
| 61 | Security Items *below* $50 | 19.95 | 3 |
| 61 | Security Items *above* $50 | 29.95 | 3 |
| 63 | Electronic Items *below* $50 | 14.95 | 3 |
| 63 | Electronic Items *below* $100 | 24.95 | 3 |
| 63 | Electronic Items *above* $100 | 34.95 | 3 |
| 65 | Calculators *below* $50 | 9.95 | 3 |
| 65 | Calculators *below* $50 | 9.95 | 3 |

Discount prices and terms optional in dealer/franchise stores. Discount prices subject to change without notice.

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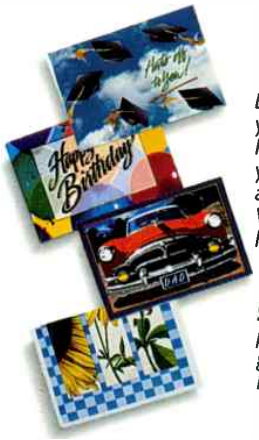
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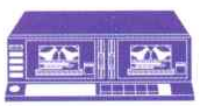
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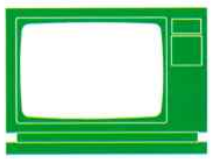
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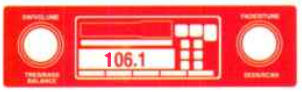













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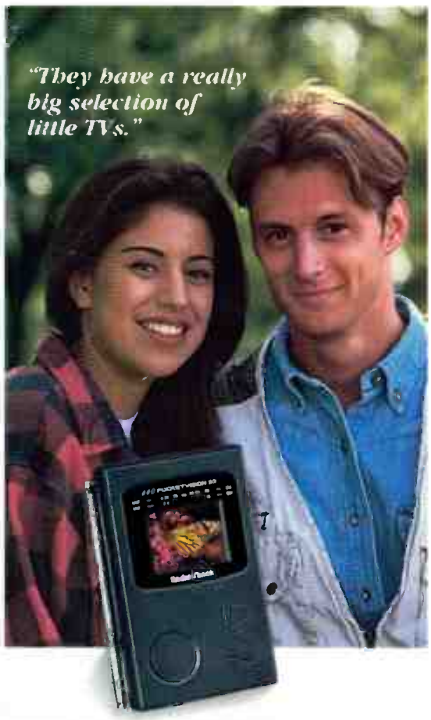
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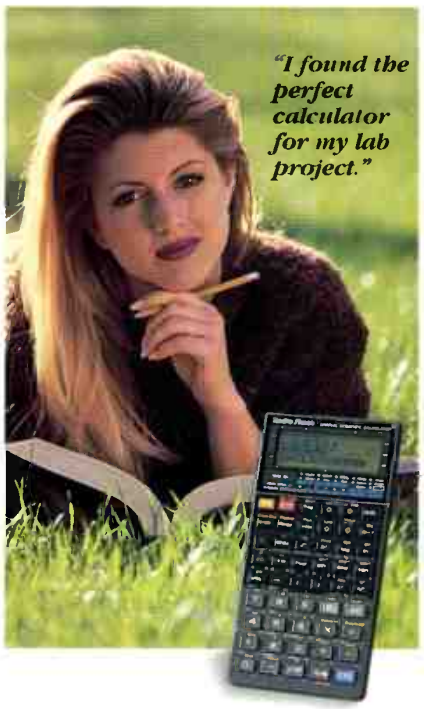
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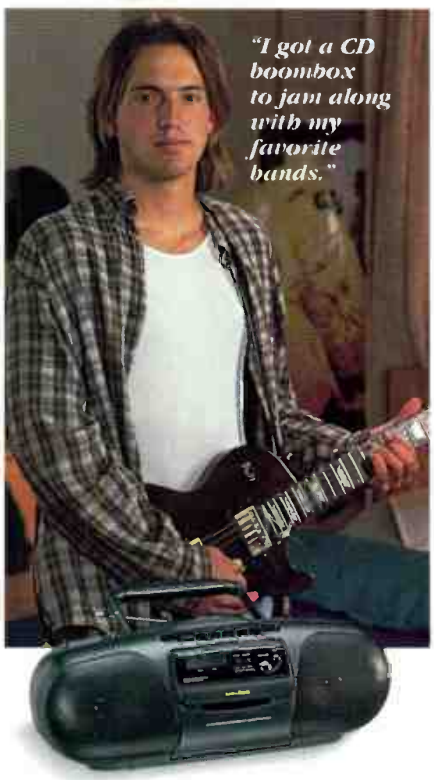
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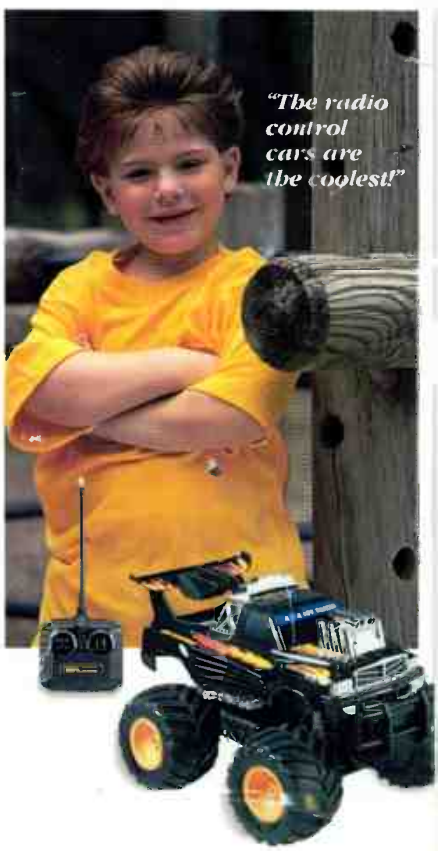
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