

iPhone

User Guide

For iPhone OS 3.1 Software

SAMSUNG 1016

Contents

9 **Chapter 1: Getting Started**
9 Viewing the User Guide on iPhone
9 What You Need
10 Activating iPhone
10 Installing the SIM Card
10 Registering iPhone
11 Setting Up iPhone Using VoiceOver
11 Syncing
16 Mail, Contacts, and Calendar Accounts
18 Installing Configuration Profiles
19 Disconnecting iPhone from Your Computer

20 **Chapter 2: Basics**
20 iPhone at a Glance
23 Home Screen
26 Buttons
28 Touchscreen
31 Onscreen Keyboard
37 Searching
38 Voice Control
39 Stereo Headset
40 Connecting to the Internet
43 Battery
45 Security Features
46 Cleaning iPhone
46 Restarting and Resetting iPhone

47 **Chapter 3: Phone**
47 Phone Calls
51 Visual Voicemail
54 Contacts
54 Favorites
54 Ringtones and the Ring/Silent Switch

55 Bluetooth Devices
56 International Calls

59 **Chapter 4: Mail**
59 Setting Up Email Accounts
59 Sending Email
60 Checking and Reading Email
64 Searching Email
64 Organizing Email

66 **Chapter 5: Safari**
66 Viewing Webpages
69 Searching the Web
69 Bookmarks
70 Web Clips

71 **Chapter 6: iPod**
71 Getting Music, Video, and More
73 Music and Other Audio
81 Videos
84 Setting a Sleep Timer
85 Changing the Browse Buttons

86 **Chapter 7: Messages**
86 Sending and Receiving Messages
88 Sharing Photos and Videos
88 Sending Voice Memos
89 Editing Conversations
89 Using Contact Information and Links
90 Managing Previews and Alerts

91 **Chapter 8: Calendar**
91 About Calendar
91 Syncing Calendars
92 Viewing Your Calendar
93 Searching Calendars
93 Subscribing to and Sharing Calendars
94 Adding Calendar Events to iPhone
95 Responding to Meeting Invitations
96 Alerts

97 **Chapter 9: Photos**
97 About Photos
97 Syncing Photos and Videos with Your Computer

98 Viewing Photos and Videos
99 Slideshows
100 Sharing Photos and Videos
102 Assigning a Photo to a Contact
102 Wallpaper

103 Chapter 10: Camera
103 About Camera
104 Taking Photos and Recording Videos
105 Viewing and Sharing Photos and Videos
105 Trimming Videos
106 Uploading Photos and Videos to Your Computer

107 Chapter 11: YouTube
107 Finding and Viewing Videos
108 Controlling Video Playback
109 Managing Videos
109 Getting More Information
110 Using YouTube Account Features
111 Changing the Browse Buttons
111 Sending Videos to YouTube

112 Chapter 12: Stocks
112 Viewing Stock Quotes
113 Getting More Information

114 Chapter 13: Maps
114 Finding and Viewing Locations
119 Bookmarking Locations
119 Getting Directions
121 Showing Traffic Conditions
121 Finding and Contacting Businesses

123 Chapter 14: Weather
123 Viewing Weather Summaries
124 Getting More Weather Information

125 Chapter 15: Voice Memos
125 Recording Voice Memos
126 Listening to Voice Memos
127 Managing Voice Memos
128 Trimming Voice Memos
128 Sharing Voice Memos
129 Syncing Voice Memos

130 Chapter 16: Notes
130 Writing and Reading Notes
131 Searching Notes
131 Emailing Notes
131 Syncing Notes

132 Chapter 17: Clock
132 World Clocks
133 Alarms
133 Stopwatch
134 Timer

135 Chapter 18: Calculator
135 Using the Calculator
135 Standard Memory Functions
136 Scientific Calculator Keys

138 Chapter 19: Settings
138 Airplane Mode
139 Wi-Fi
140 VPN
140 Notifications
141 Carrier
141 Sounds and the Ring/Silent Switch
142 Brightness
142 Wallpaper
142 General
150 Mail, Contacts, Calendars
153 Phone
156 Safari
157 Messages
158 iPod
159 Photos
159 Store
159 Nike + iPod

160 Chapter 20: iTunes Store
160 About the iTunes Store
161 Finding Music, Videos, and More
162 Purchasing Ringtones
162 Purchasing Music or Audiobooks
163 Purchasing or Renting Videos
164 Streaming or Downloading Podcasts

165 Checking Download Status
165 Syncing Purchased Content
165 Changing the Browse Buttons
166 Viewing Account Information
166 Verifying Purchases

167 Chapter 21: App Store
167 About the App Store
167 Browsing and Searching
169 Info Screen
170 Downloading Applications
171 Deleting Applications
171 Writing Reviews
172 Updating Applications
172 Syncing Purchased Applications

173 Chapter 22: Compass
173 Getting Compass Readings
174 Compass and Maps

176 Chapter 23: Contacts
176 About Contacts
176 Adding Contacts
177 Searching Contacts
178 Managing Contacts on iPhone

180 Chapter 24: Nike + iPod
180 Activating Nike + iPod
181 Additional Nike + iPod Settings

182 Chapter 25: Accessibility
182 Accessibility Features
183 VoiceOver
189 Zoom
190 White on Black
190 Mono Audio
190 Speak Auto-text
191 Triple-click Home
191 Closed Captioning and Other Helpful Features

193 Appendix A: Troubleshooting
193 Apple iPhone Support Site
193 General
195 iTunes and Syncing

196 Phone and Voicemail
197 Safari, Text, Mail, and Contacts
200 Sound, Music, and Video
201 iTunes Stores
201 Removing the SIM Card
202 Backing Up iPhone
204 Updating and Restoring iPhone Software

205 Appendix B: Other Resources
205 Safety, Software, and Service Information
206 Viewing the User Guide on iPhone
206 Disposal and Recycling Information
207 Apple and the Environment

208 Index

Getting Started

1

⚠ ***WARNING:*** To avoid injury, read all operating instructions in this guide and safety information in the *iPhone Important Product Information Guide* at www.apple.com/support/manuals/iphone before using iPhone.

Viewing the User Guide on iPhone

The *iPhone User Guide,* optimized for viewing on iPhone, is available at help.apple.com/iphone.

View the guide on iPhone: In Safari, tap 🕮, then tap the *iPhone User Guide* bookmark.

Add an icon for the guide to the Home screen: When viewing the guide, tap ✚, then tap "Add to Home Screen."

The *iPhone User Guide* is available in many languages.

View the guide in a different language: Tap "Change Language" at the bottom of the screen on the main contents page, then choose the language you want.

What You Need

To use iPhone, you need:

- A wireless service plan with a carrier that provides iPhone service in your area
- A Mac or a PC with a USB 2.0 port and one of the following operating systems:
  - Mac OS X version 10.4.11 or later; version 10.5.7 or later is required for syncing Notes and for using iPhone as a modem
  - Windows XP Home or Professional with Service Pack 3 or later
  - Windows Vista Home Premium, Business, Enterprise, or Ultimate edition
- Display resolution on your computer set to 1024 x 768 or higher
- iTunes 8.2 or later, available at www.itunes.com/download (iTunes 9 or later required for certain features)
- QuickTime 7.6.2 or later (for playing videos recorded by iPhone 3GS on your computer)

- An iTunes Store account (for purchases from the iTunes Store or App Store)
- An Internet connection for your computer (broadband recommended)

Activating iPhone

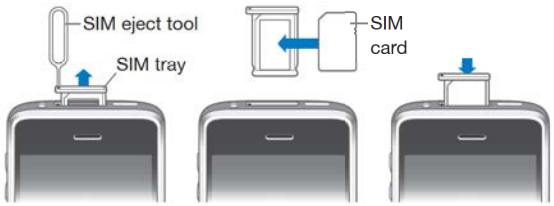
Before you can use any of iPhone's features, you must activate iPhone by signing up for a service plan with an iPhone service carrier in your area and registering iPhone with the network.

Your iPhone may have been activated at the time of purchase. If it isn't activated, contact your iPhone retailer or cellular service provider.

For more information about iPhone, go to www.apple.com/iphone.

Installing the SIM Card

If your SIM card was not preinstalled, you must install the SIM card before you can use iPhone.



Install the SIM card:

1. Insert the end of the SIM eject tool into the hole on the SIM tray.

   Press firmly and push it straight in until the tray pops out. If you don't have a SIM eject tool, you can use the end of a paper clip.

2. Pull out the SIM tray and place the SIM card in the tray.

   The angled corner of the SIM ensures that the card fits only the correct way in the tray.

3. With the tray aligned as shown, carefully replace the SIM tray containing the SIM card in iPhone.

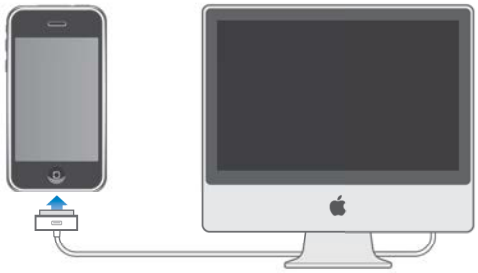
Registering iPhone

Registering iPhone with iTunes enables iTunes to identify your iPhone when it's connected to your computer and help you manage its contents. You can then sync information with your computer and media from iTunes, and create backups of iPhone's contents and settings. You can create an iTunes Store account, or specify an existing account, to enable purchases with iPhone. iTunes also records iPhone's serial number in the event you need it for service or in case of loss.

Register iPhone:

1 Download and install the latest version of iTunes from www.itunes.com/download.

2 Connect iPhone to a USB 2.0 port on your Mac or PC using the cable that came with iPhone.



3 Follow the onscreen instructions in iTunes to register iPhone and sync iPhone with your contacts, calendars, and bookmarks on your computer, and with music, video, and other content from your iTunes library.

In the Set Up Your iPhone screen, select "Automatically sync contacts, calendars and bookmarks" to configure those items to sync automatically when you connect iPhone to your computer. You can also customize your sync settings in iTunes. See the following section.

Setting Up iPhone Using VoiceOver

If you're visually impaired, VoiceOver (available only on iPhone 3GS) can help you set up iPhone without a sighted assistant. VoiceOver describes aloud what appears on the screen, so you can use iPhone without seeing it. When you connect iPhone to your computer, iTunes detects whether you're using a compatible screen reader on your computer, such as VoiceOver on a Mac or GW Micro Window-Eyes on a PC, and automatically enables VoiceOver on iPhone. A sighted user can also enable VoiceOver on iPhone for you, using Accessibility settings. See "Using VoiceOver" on page 187.

Note: VoiceOver isn't available in all languages.

Syncing

With iPhone, you can have easy access to important information on your computer, including your contacts, calendars, and even your browser bookmarks, as well as to music, video, and other content in your iTunes library.

About Syncing

Syncing copies information and content between iPhone and your computer, keeping it current and up-to-date, whether you make changes on iPhone or on your computer.

iTunes lets you specify the information and content on your computer that you want to sync with iPhone. By default, iTunes syncs automatically with iPhone whenever you connect iPhone to your computer.

You can also set up iPhone to sync your MobileMe and Microsoft Exchange accounts, over the air. See "Mail, Contacts, and Calendar Accounts" on page 16.

Syncing with iTunes

You can set iTunes to sync any or all of the following:

- Contacts—names, phone numbers, addresses, email addresses, and more
- Calendars—appointments and events
- Email account settings
- Webpage bookmarks
- Notes (requires Mac OS X version 10.5.7 or later on a Mac, or Microsoft Outlook 2003 or 2007 on a PC)
- Ringtones
- Music and audiobooks
- Photos and videos (in your computer's photo application or folder)
- iTunes U collections
- Podcasts
- Movies, TV shows, and music videos
- Applications downloaded from the iTunes Store

You can adjust sync settings whenever iPhone is connected to your computer.

Ringtones, music, audiobooks, podcasts, iTunes U collections, videos, and applications can be synced from your iTunes library. If you don't already have content in iTunes, the iTunes Store (available in some countries) makes it easy to preview and download content to iTunes. You can also add music to your iTunes library from your CDs. To learn about iTunes and the iTunes Store, open iTunes and choose Help > iTunes Help.

Contacts, calendars, notes, and webpage bookmarks are synced with applications on your computer, as described in the following section. Contacts and calendars are synced both ways between your computer and iPhone. New entries or changes you make on iPhone are synced to your computer, and vice versa. Notes and webpage bookmarks are also synced both ways. Photos and videos (Mac only) can be synced from an application or from a folder.

Email account settings are synced only from your computer's email application to iPhone. This allows you to customize your email accounts on iPhone without affecting email account settings on your computer.

Note: You can also set up email accounts directly on iPhone. See "Mail, Contacts, and Calendar Accounts."

Purchases you make on iPhone in the iTunes Store or the App Store are synced back to your iTunes library. You can also purchase or download content and applications directly from the iTunes Store on your computer, and then sync them to iPhone.

You can set iPhone to sync with only a portion of what's on your computer. For example, you might want to sync only a group of contacts from your address book, or only unwatched video podcasts.

Important: You should be logged in to your own computer user account before connecting iPhone.

Set up iTunes syncing:

1. Connect iPhone to your computer, and open iTunes (if it doesn't open automatically).
2. In iTunes, select iPhone in the sidebar.
3. Configure the sync settings in each of the settings panes.

   See the following section for descriptions of the panes.
4. Click Apply in the lower-right corner of the screen.

   By default, "Automatically sync when this iPhone is connected" is selected.

iPhone Settings Panes in iTunes

The following sections provide an overview of each of the iPhone settings panes. For more information, open iTunes and choose Help > iTunes Help.



Summary Pane

Select "Automatically sync when this iPhone is connected" to have iTunes sync iPhone automatically whenever you connect it to your computer. Deselect this option if you want to sync only by clicking the Sync button in iTunes. For more information about preventing automatic syncing, see "Preventing Automatic Syncing" on page 15.

Select "Sync only checked songs and videos" if you want iTunes to skip unchecked items in your iTunes library when syncing.

Select "Manually manage music and videos" to turn off automatic syncing in the Music and Video settings panes. See "Manually Managing Content" on page 72.

Select "Encrypt iPhone backup" if you want to encrypt the information stored on your computer when iTunes makes a backup. Encrypted backups are indicated by a padlock icon, and a password is required to restore the information to iPhone. See "Backing Up iPhone" on page 202.

Click Configure Universal Access to turn on Accessibility features (available only on iPhone 3GS). See Chapter 25, "Accessibility," on page 182.

Info Pane

The Info pane lets you configure the sync settings for your contacts, calendars, email accounts, and web browser.

- Contacts

  Sync contacts with applications such as Mac OS X Address Book, Yahoo! Address Book, and Google Contacts on a Mac, or with Yahoo! Address Book, Google Contacts, Windows Address Book (Outlook Express), Windows Vista Contacts, or Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you can sync contacts with multiple applications. On a PC, you can sync contacts with only one application at a time.)

  If you sync with Yahoo! Address Book, you only need to click Configure to enter your new login information when you change your Yahoo! ID or password after you've set up syncing.

- Calendars

  Sync calendars from applications such as iCal on a Mac, or from Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you can sync calendars with multiple applications. On a PC, you can sync calendars with only one application at a time.)

- Mail Accounts

  Sync email account settings from Mail on a Mac, and from Microsoft Outlook 2003 or 2007 or Outlook Express on a PC. Account settings are transferred only from your computer to iPhone. Changes you make to an email account on iPhone don't affect the account on your computer.

  Note: The password for your Yahoo! email account isn't saved on your computer, so it can't be synced and must be entered on iPhone. In Settings, choose "Mail, Contacts, Calendars," tap your Yahoo! account, and enter the password.

- Web Browser

  You can sync bookmarks on iPhone with Safari on a Mac, or with Safari or Microsoft Internet Explorer on a PC.

- Notes

  Sync notes in the Notes application on iPhone with notes in Mail on a Mac or with Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you must have Mac OS version 10.5.7 or later installed to sync notes.)
- Advanced

  These options let you replace the information on iPhone with the information on your computer during the next sync.

Applications Pane

Use the Applications pane to specify which App Store applications to sync on iPhone, or to arrange your Home screen (requires iTunes 9 or later). Any applications downloaded directly to iPhone are automatically backed up to your iTunes library when you sync. If you manually delete an application on iPhone, you can reinstall it from this pane as long as it was previously synced.

Ringtones Pane

Use the Ringtones pane to select the ringtones you want to sync to iPhone.

Music, Movies, TV Shows, Podcasts, and iTunes U Panes

Use these panes to specify the media you want to sync. You can sync all music, movies, TV shows, podcasts, and iTunes U collections, or select the content you want on iPhone.

If you want to watch rented movies on iPhone, transfer them to iPhone using the Movies pane in iTunes.

If there's not enough room on iPhone for all the media you've specified, iTunes can create a special playlist and set it to sync with iPhone.

Note: The iTunes U pane appears only in iTunes 9 or later. In earlier versions of iTunes, iTunes U content appeared in the Podcasts pane.

Photos Pane

You can sync photos and videos (Mac only, iTunes 9 required) with iPhoto 4.0.3 or later, or Aperture on a Mac; or with Adobe Photoshop Elements 3.0 or later on a PC. You can also sync photos and videos in any folder on your computer that contains images.

Preventing Automatic Syncing

You can prevent iPhone from syncing automatically when you connect iPhone to a computer other than the one you usually sync with.

Turn off automatic syncing for iPhone: Connect iPhone to your computer. In iTunes, select iPhone in the sidebar, then click the Summary tab. Deselect "Automatically sync when this iPhone is connected." You can still sync by clicking the Sync button.

Prevent automatic syncing for all iPhones and iPods: In iTunes choose iTunes > Preferences (on a Mac) or Edit > Preferences (on a PC), click Devices, and select "Disable automatic syncing for all iPhones and iPods."

If this checkbox is selected, iPhone won't sync automatically, even if "Automatically sync when this iPhone is connected" is selected in the Summary pane.

Prevent automatic syncing one time, without changing settings: Open iTunes, connect iPhone to your computer, then press and hold Command-Option (on a Mac) or Shift-Control (on a PC) until you see iPhone appear in the sidebar.

Sync manually: In iTunes, select iPhone in the sidebar, then click Sync in the bottom-right corner of the window. Or, if you've changed any sync settings, click Apply.

Mail, Contacts, and Calendar Accounts

iPhone works with MobileMe, Microsoft Exchange, and many of the most popular email systems.

Setting Up Accounts

MobileMe and Microsoft Exchange provide not only email, but contact and calendar information that can be synced to iPhone automatically, over the air. MobileMe can also sync your bookmarks on iPhone with Safari on a Mac, or with Safari or Microsoft Internet Explorer on a PC. You set up MobileMe, Exchange, and other email accounts directly on iPhone.

iPhone uses the Exchange ActiveSync protocol to sync email, calendars, and contacts with the following versions of Microsoft Exchange:

- Exchange Server 2003 Service Pack 2
- Exchange Server 2007 Service Pack 1

For many popular email accounts, iPhone automatically enters most of the settings for you.

If you don't already have an email account, you can get a free account online at www.yahoo.com, www.google.com, or www.aol.com. You can also try MobileMe, free for 60 days. Go to www.me.com.

Set up an account on iPhone:

1. From the iPhone Home screen, tap Settings.
2. Tap "Mail, Contacts, Calendars," then tap Add Account.
3. Tap an account type:
   - Microsoft Exchange
   - MobileMe
   - Google email

- Yahoo! Mail
- AOL
- Other

4 Enter your account information and tap Save.

Your service provider or system administrator can provide the account settings you need.

Exchange accounts: Enter your complete email address, domain (optional), user name, password, and a description. The description can be whatever you like.

iPhone supports Microsoft's Autodiscovery service, which uses your user name and password to determine the address of the Exchange server. If the server's address can't be determined, you're asked to enter it. (Enter the complete address in the Server field.) Once you connect to the Exchange server, you may be prompted to change your passcode to match the policies set on the server.

5 If you're setting up a MobileMe or Microsoft Exchange account, tap the items you want to use on iPhone—mail, contacts, calendars, and bookmarks (MobileMe only).

MobileMe includes the Find My iPhone feature that helps you locate iPhone if it's been lost or stolen, and remotely lock, set a passcode, or erase the information on iPhone if necessary. See "Security Features" on page 45.

If you enable Find My iPhone for your MobileMe account, make sure that Push is turned on for Fetch New Data. In Settings, choose "Mail, Contacts, Calendars" > Fetch New Data, and if Push is off, tap to turn it on.

For Exchange accounts, you can set how many days of email you want to sync to iPhone.

If you already have contact or calendar information on iPhone when you enable the account, iPhone asks what you want to do with existing information on iPhone. You can choose to merge the existing data into your MobileMe or Exchange account. If you don't merge the data, you can choose to keep it in a separate account on iPhone (the account is labeled "On My iPhone"), or delete it. Existing bookmarks can only be merged or deleted.

Similarly, when you disable contacts or calendars in an MobileMe or Exchange account, or if you delete an account, iPhone asks if you want to keep information or delete it.

You can add contacts using an LDAP account if your company or organization supports it. See "Adding Contacts" on page 176.

You can subscribe to CalDAV or iCal (.ics) calendars. See "Subscribing to and Sharing Calendars" on page 93.

Push Accounts

MobileMe, Microsoft Exchange, and Yahoo! Mail are known as "push" accounts. When new information is available, such as the arrival of an email message, the information is automatically delivered (pushed) to iPhone. (In contrast, "fetch" services require your email software to periodically check with your service provider to see if new messages have arrived, and then request them to be delivered.) MobileMe and Exchange also use push to sync your contacts, calendars, and bookmarks (MobileMe only) if you have those items selected in the account settings.

Synced information is transferred automatically over your wireless connection; you don't need to connect iPhone to your computer to sync. If you don't have a cellular connection, iPhone can receive pushed data over a Wi-Fi connection when iPhone is awake (the screen is on, or iPhone is connected to your computer or a power adapter).

Installing Configuration Profiles

If you're in an enterprise environment, you may be able to set up accounts and other items on iPhone by installing a configuration profile. Configuration profiles provide a way for system administrators to quickly set up your iPhone to work with the information systems at your company, school, or organization. For example, a configuration profile might set up your iPhone to access the Microsoft Exchange servers at work, enabling iPhone to access your Exchange email, calendars, and contacts.

Configuration profiles can configure multiple settings on iPhone all at once. For example, a configuration profile can set up your Microsoft Exchange account, VPN account, and certificates for secure access to your company's network and information. A configuration profile may turn on the Passcode Lock, requiring you to create and enter a passcode for using iPhone.

Your system administrator may distribute configuration profiles by email or by putting them on a secure webpage. A system administrator may also install a configuration profile directly on iPhone for you.

Install a configuration profile:

1. Using iPhone, open the email message or download the configuration profile from the website provided by your system administrator.
2. When the configuration profile opens, tap Install.
3. Enter passwords and other information as requested.

Important: You may be asked to verify that the configuration profile is trusted. If in doubt, consult your system administrator before installing a configuration profile.

Settings provided by a configuration profile cannot be altered. If you want to change these settings, you must first remove the configuration profile or install an updated configuration profile.

Remove a profile: In Settings, choose General > Profile, then select the configuration profile and tap Remove.

Removing a configuration profile deletes the settings and all other information installed by the configuration profile from iPhone.

Disconnecting iPhone from Your Computer

Unless iPhone is syncing with your computer, you can disconnect it from your computer at any time.

When iPhone is syncing with your computer, iPhone shows "Sync in progress." If you disconnect iPhone before it finishes syncing, some data may not get transferred. When iPhone finishes syncing, iTunes shows "iPhone sync is complete."

Cancel a sync: Drag the slider on iPhone.

If you get a call during a sync, the sync is canceled automatically and you can unplug iPhone to answer the call. Connect iPhone after the call to finish syncing.

Basics

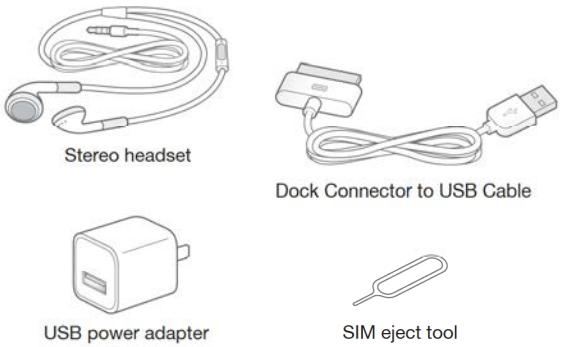
2

iPhone at a Glance



Your Home screen may look different, depending on the model of iPhone you have and whether you have rearranged its icons.

iPhone Included Accessories



Item	What you can do with it
Apple Earphones with Remote and Mic (iPhone 3GS) iPhone Stereo Headset (iPhone 3G)	Listen to music, videos, and phone calls. Use the built-in microphone to talk. Press the center button to answer or end a call. When listening to iPod, press the button once to play or pause a song, or press twice quickly to skip to the next track. Use the + and – buttons to adjust the volume (iPhone 3GS only). Press and hold the center button to use Voice Control (iPhone 3GS only).
Dock Connector to USB Cable	Use the cable to connect iPhone to your computer to sync and charge. The cable can be used with the optional dock or plugged directly into iPhone.
USB power adapter	Connect the power adapter to iPhone using the included cable, then plug it into a standard power outlet to charge iPhone.
SIM eject tool	Eject the SIM card.

Status Icons

The icons in the status bar at the top of the screen give information about iPhone:

Status icon		What it means
	Cell signal	Shows whether you're in range of the cellular network and can make and receive calls. The more bars, the stronger the signal. If there's no signal, the bars are replaced with "No service."
	Airplane mode	Shows that airplane mode is on—you cannot use the phone, access the Internet, or use Bluetooth® devices. Non-wireless features are available. See "Airplane Mode" on page 138.
3G	3G	Shows that your carrier's 3G network is available, and iPhone can connect to the Internet over 3G. Available on iPhone 3G or later. See "How iPhone Connects to the Internet" on page 40.

Status icon		What it means
E	EDGE	Shows that your carrier's EDGE network is available, and iPhone can connect to the Internet over EDGE. See "How iPhone Connects to the Internet" on page 40.
°	GPRS	Shows that your carrier's GPRS network is available, and iPhone can connect to the Internet over GPRS. See "How iPhone Connects to the Internet" on page 40.
	Wi-Fi	Shows that iPhone is connected to the Internet over a Wi-Fi network. The more bars, the stronger the connection. See "Joining a Wi-Fi Network" on page 41.
	Network activity	Shows over-the-air syncing or other network activity. Some third-party applications may also use this icon to indicate an active process.
	Call Forwarding	Shows that Call Forwarding is set up on iPhone. See "Call Forwarding" on page 154.
VPN	VPN	Shows that you're connected to a network using VPN. See "Network" on page 143.
	Lock	Shows that iPhone is locked. See "Sleep/Wake Button" on page 26.
	TTY	Shows that iPhone is set to work with a TTY machine. See "Using iPhone with a Teletype (TTY) Machine" on page 154.
	Play	Shows that a song, audiobook, or podcast is playing. See "Playing Songs" on page 73.
	Alarm	Shows that an alarm is set. See "Alarms" on page 133.
	Bluetooth	*Blue or white icon:* Bluetooth is on and a device, such as a headset or car kit, is connected. *Gray icon:* Bluetooth is on, but no device is connected. *No icon:* Bluetooth is turned off. See "Bluetooth Devices" on page 55.
	Battery	Shows battery level or charging status. See "Battery" on page 43.

Home Screen

Press the Home ▢ button at any time to go to the Home screen, which contains your iPhone applications. Tap any application icon to get started.

iPhone Applications

The following applications are included with iPhone:

 Phone	Make calls, with quick access to recent callers, favorites, and all your contacts. Dial manually using the numeric keypad. Or just use voice dialing. Visual voicemail presents a list of your voicemail messages. Just tap to listen to any message you want, in any order you want.
 Mail	iPhone works with MobileMe, Microsoft Exchange, and many of the most popular email systems—including Yahoo! Mail, Google email, and AOL—as well as most industry-standard POP3 and IMAP email systems. View PDFs and other attachments within Mail. Save attached photos and graphics to your Camera Roll album.
 Safari	Browse websites over a cellular data network or over Wi-Fi. Rotate iPhone sideways for widescreen viewing. Double-tap to zoom in or out—Safari automatically fits the webpage column to the iPhone screen for easy reading. Open multiple pages. Sync bookmarks with Safari or Microsoft Internet Explorer on your computer. Add Safari web clips to the Home screen for fast access to favorite websites. Save images from websites to your Photo Library.
 iPod	Listen to your songs, audiobooks, and podcasts. Create on-the-go playlists, or use Genius to create playlists for you. Listen to Genius Mixes of songs from your library. Watch movies and video podcasts in widescreen.
 Messages	Send and receive SMS text messages. Conversations are saved in an iChat like presentation, so you can see a history of messages you've sent and received. Send photos, video clips (iPhone 3GS only), contact information, and voice memos to MMS devices (iPhone 3G or later).
 Calendar	View and search your MobileMe, iCal, Microsoft Entourage, Microsoft Outlook, or Microsoft Exchange calendars. Enter events on iPhone and they get synced back to the calendar on your computer. Subscribe to calendars. Set alerts to remind you of events, appointments, and deadlines.
 Photos	View photos and videos (iPhone 3GS only) you've taken with iPhone, received in Mail or MMS (iPhone 3GS only) messages, or synced from your computer's photo application. (Video syncing on Macs only.) View them in portrait or landscape orientation. Zoom in on photos for a closer look. Watch a slideshow. Email photos and videos, send them in MMS messages (iPhone 3G or later), or publish them to MobileMe galleries. Assign images to contacts, and use them as wallpaper.

 Camera	Take photos, and record videos (iPhone 3GS only). View them on iPhone, email them, send them in an MMS message (iPhone 3G or later), or upload them to your computer. Trim and save video clips. Upload videos directly to YouTube. Take a friend's picture and set iPhone to display it when that person calls you.
 YouTube	Play videos from YouTube's online collection. Search for any video, or browse featured, most viewed, most recently updated, and top-rated videos. Set up and log in to your YouTube account—then rate videos, sync your favorites, show subscriptions, and more. Upload your own videos taken with iPhone.
 Stocks	Watch your favorite stocks, updated automatically from the Internet. View company news and current trading information, such as opening or average price, trading volume, or market capitalization. Rotate iPhone to see detailed charts in landscape orientation. Drag your finger along the charts to track price points, or use two fingers to see a range between points.
 Maps	See a street map, satellite view, or hybrid view of locations around the world. Zoom in for a closer look, or check out the Google Street View. Find and track your current (approximate) location. See which way you're facing (iPhone 3GS only, using its built-in compass). Get detailed driving, public transit, or walking directions and see current highway traffic conditions. Find businesses in the area and call with a single tap.
 Weather	Get current weather conditions and a six-day forecast. Add your favorite cities for a quick weather report anytime.
 Voice Memos	Record voice memos on iPhone. Play them back on iPhone or sync them with iTunes to listen to voice memos on your computer. Attach voice memos to email or MMS messages (iPhone 3G or later).
 Notes	Jot notes on the go—reminders, grocery lists, brilliant ideas. Send them in email. Sync notes to Mail or Microsoft Outlook or Outlook Express.
 Clock	View the time in cities around the world—create clocks for your favorites. Set one or more alarms. Use the stopwatch, or set a countdown timer.

Calculator	Add, subtract, multiply, and divide. Rotate iPhone sideways to use expanded scientific functions.
Settings	Set up accounts and adjust all iPhone settings in one convenient place. Set your own volume limit for listening comfort. Set your ringtone, wallpaper, screen brightness, and settings for network, phone, mail, web, music, video, photos, and more. Set auto-lock and a passcode for security. Restrict access to explicit iTunes content and certain applications. Reset iPhone.
iTunes	Search the iTunes Store for music, ringtones, audiobooks, TV shows, music videos, and movies. Browse, preview, purchase, and download new releases, top items, and more. Rent movies to view on iPhone. Stream and download podcasts. Read reviews or write your own reviews for your favorite store items.
App Store	Search the App Store for iPhone applications you can purchase or download using your Wi-Fi or cellular data network connection. Read reviews or write your own reviews for your favorite apps. Download and install the application on your Home screen.
Compass	Use the built-in digital compass (iPhone 3GS only) to determine your heading. Get your current coordinates. Choose between true north and magnetic north.
Contacts	Get contact information synced from MobileMe, Mac OS X Address Book, Yahoo! Address Book, Google Contacts, Windows Address Book (Outlook Express), Microsoft Outlook, or Microsoft Exchange. Search, add, change, or delete contacts, which get synced back to your computer.
Nike + iPod	Nike + iPod (which appears when you activate it in Settings) turns iPhone into a workout companion. Track your pace, time, and distance from one workout to the next and choose a song to power through your routine. (iPhone 3GS only. Requires select Nike shoes and a Nike + iPod Sensor, sold separately.)

Note: Application functionality and availability may vary depending on the country or region where you purchase and use iPhone. Contact your carrier for more information.

Customizing the Home Screen

You can customize the layout of icons on the Home screen—including the Dock icons along the bottom of the screen. If you want, arrange them over multiple Home screens.

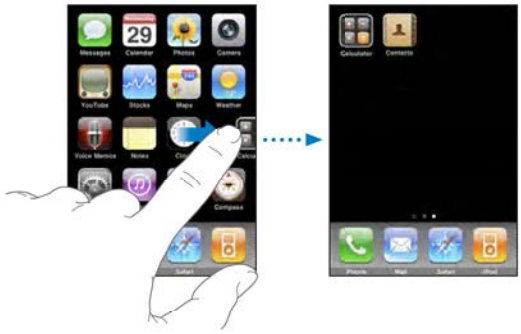
Rearrange icons:

1. Touch and hold any Home screen icon until the icons begin to wiggle.
2. Arrange the icons by dragging them.
3. Press the Home ▢ button to save your arrangement.

You can also add links to your favorite webpages on the Home screen. See "Web Clips" on page 70.

You can also rearrange the Home screen icons and the order of the screens (in iTunes 9 or later) when iPhone is connected to your computer. Select iPhone in the iTunes sidebar, then click the Applications tab.

Create additional Home screens: While arranging icons, drag an icon to the right edge of the screen until a new screen appears. You can flick to return to the original screen and drag more icons to the new screen.



You can create up to 11 screens. The number of dots above the Dock shows the number of screens you have, and indicates which screen you're viewing.

Switch to another Home screen: Flick left or right, or tap to the left or right of the row of dots.

Go to the first Home screen: Press the Home ▢ button.

Reset your Home screen to the default layout: Choose Settings > General > Reset and tap Reset Home Screen Layout.

Buttons

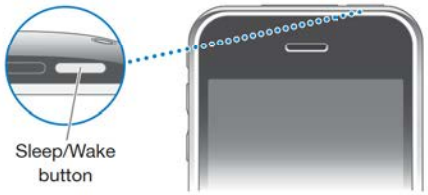
A few simple buttons make it easy to turn iPhone on and off, adjust the volume, and switch between ring and silent modes.

Sleep/Wake Button

When you're not using iPhone but you still want to receive calls and text messages, you can lock it.

When iPhone is locked, nothing happens if you touch the screen. You can still listen to music and adjust the volume, and use the center button on your iPhone headset (or the equivalent button on your Bluetooth headset) to play or pause a song, or answer or end a call.

By default, if you don't touch the screen for a minute, iPhone locks automatically.



Lock iPhone	Press the Sleep/Wake button.
Unlock iPhone	Press the Home ▢ button or the Sleep/Wake button, then drag the slider.
Turn iPhone completely off	Press and hold the Sleep/Wake button for a few seconds until the red slider appears, then drag the slider. When iPhone is off, incoming calls go straight to voicemail.
Turn iPhone on	Press and hold the Sleep/Wake button until the Apple logo appears.

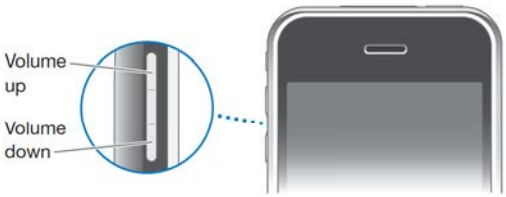
For information about changing how long before iPhone locks, see "Auto-Lock" on page 145. For information about setting iPhone to require a passcode to unlock it, see "Passcode Lock" on page 145.

Volume Buttons

When you're on the phone or listening to songs, movies, or other media, the buttons on the side of iPhone adjust the audio volume. Otherwise, the buttons control the volume for the ringer, alerts, and other sound effects.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

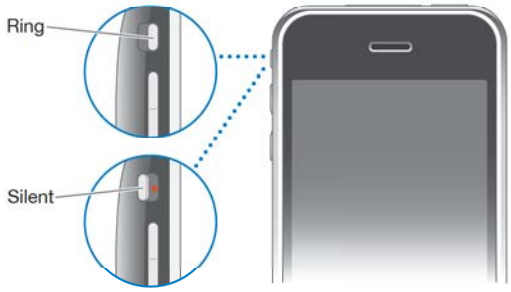
To adjust the volume, use the buttons on the side of iPhone.



To set a volume limit for music and videos on iPhone, see "Music" on page 158.

Ring/Silent Switch

Flip the Ring/Silent switch to change between ring and silent modes.



When set to ring mode, iPhone plays all sounds. When set to silent mode, iPhone doesn't ring or play alerts and other sound effects.

Important: Clock alarms, audio-dependent applications such as iPod, and many games still play sounds through the built-in speaker when iPhone is set to silent mode.

By default, when you get a call, iPhone vibrates whether it's set to ring mode, or in silent mode. If iPhone is set to ring mode, you can silence a call by pressing the Sleep/Wake button or one of the volume buttons once. Press a second time to send the call to voicemail.

For information about changing sound and vibrate settings, see "Sounds and the Ring/Silent Switch" on page 141.

Touchscreen

The controls on the iPhone touchscreen change dynamically depending on the task you're performing.

Opening Applications

Open an application: Tap an icon.



Close an application and return to the Home screen: Press the Home ▢ button below the display.

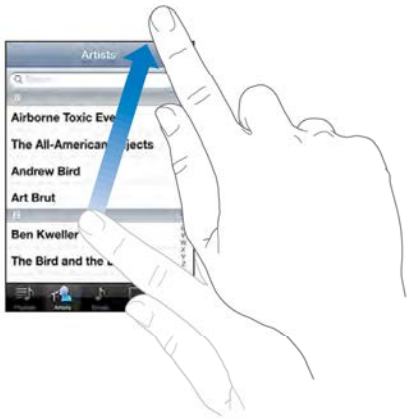
Scrolling

Drag up or down to scroll. On some screens such as webpages, you can also scroll side to side.



Dragging your finger to scroll won't choose or activate anything on the screen.

Flick to scroll quickly.



You can wait for the scrolling to come to a stop, or touch anywhere on the screen to stop it immediately. Touching the screen to stop scrolling won't choose or activate anything.

To quickly scroll to the top of a list, webpage, or email, just tap the status bar.

Lists

Some lists have an index along the right side, which helps you navigate quickly.

Find items in an indexed list: Tap a letter to jump to items starting with that letter. Drag your finger along the index to scroll quickly through the list.



Choose an item: Tap an item in the list.

Depending on the list, tapping an item can do different things—for example, it may open a new list, play a song, open an email, or show someone's contact information so you can call that person.

Return to a previous list: Tap the back button in the upper-left corner.

Zooming In or Out

When viewing photos, webpages, email, or maps, you can zoom in and out. Pinch your fingers together or apart. For photos and webpages, you can double-tap (tap twice quickly) to zoom in, then double-tap again to zoom out. For maps, double-tap to zoom in and tap once with two fingers to zoom out.



Viewing in Landscape

Many iPhone applications let you view the screen in either portrait or landscape orientation. Rotate iPhone and the display rotates too, adjusting automatically to fit the new screen orientation.



You may prefer landscape for viewing webpages in Safari, or when entering text, for example. Webpages automatically scale to the wider screen in landscape, making the text and images larger. Similarly, the onscreen keyboard is larger in landscape, which may help increase your typing speed and accuracy.

The following applications support both portrait and landscape orientation:

- Mail
- Safari
- Messages
- Notes
- Contacts
- Stocks
- iPod
- Photos
- Camera
- Calculator

Movies viewed in iPod and YouTube appear only in landscape orientation. Street views in Maps also appear in landscape.

Onscreen Keyboard

Use the onscreen keyboard to enter text, such as contact information, text messages, and web addresses.

Typing

Depending on the application you're using, the intelligent keyboard may automatically suggest corrections as you type to help prevent mistyped words.

Enter text:

1. Tap a text field, such as in a note or new contact, to bring up the keyboard.
2. Tap keys on the keyboard.

Start by typing with just your index finger. As you get more proficient, you can type more quickly using two thumbs.

As you type, each letter appears above your thumb or finger. If you touch the wrong key, you can slide your finger to the correct key. The letter isn't entered until you release your finger from the key.



Type uppercase	Tap the Shift ⇧ key before tapping a letter. Or touch and hold the Shift key, then slide to a letter.
Quickly type a period and space	Double-tap the space bar. (You can turn this feature on or off in Settings > General > Keyboard.)
Turn caps lock on	Double-tap the Shift ⇧ key. The Shift key turns blue, and all letters you type are uppercase. Tap the Shift key again to turn caps lock off. (You can turn this feature on or off in Settings > General > Keyboard.)
Show numbers, punctuation, or symbols	Tap the Number .?123 key. Tap the Symbol #+= key to see additional punctuation and symbols.
Type letters or symbols that aren't on the keyboard	Touch and hold the related letter or symbol, then slide to choose a variation.

Dictionary

For many languages, iPhone has dictionaries to help you type. The appropriate dictionary is activated automatically when you select a supported keyboard.

For a list of supported languages, see www.apple.com/iphone/specs.html.

iPhone uses the active dictionary to suggest corrections or complete the word you're typing. You don't need to interrupt your typing to accept the suggested word.



Accept or reject dictionary suggestions:

- *To reject the suggested word,* finish typing the word as you want it, then tap the "x" to dismiss the suggestion before typing anything else. Each time you reject a suggestion for the same word, iPhone becomes more likely to accept your word.
- *To use the suggested word,* type a space, punctuation mark, or return character.

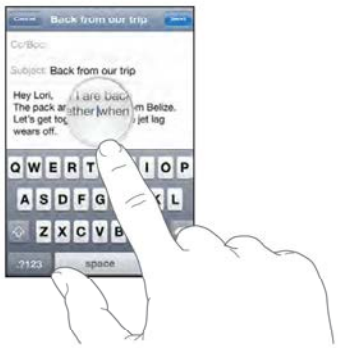
Turn Auto-Correction on or off: Choose General > Keyboard and turn Auto-Correction on or off. Auto-Correction is on by default.

Note: If you're entering Chinese or Japanese, tap one of the suggested alternatives.

Editing

An onscreen magnifying glass helps you position the insertion point for typing and editing text. You can select text to cut, copy, and paste.

Position the insertion point: Touch and hold to bring up the magnifying glass, then drag to position the insertion point.



Select text: Tap the insertion point to display the selection buttons. Tap Select to select the adjacent word or tap Select All to select all text. When you're typing, you can also double-tap to select a word. In read-only documents, such as webpages, or email or text messages you've received, touch and hold to select a word.

Drag the grab points to select more or less text.



Cut or copy text: Select text, then tap Cut or Copy.



Paste text: Tap the insertion point and tap Paste. The last text that you cut or copied is inserted. Or select text and tap Paste to replace the text.

Undo the last edit: Shake iPhone and tap Undo.

International Keyboards

iPhone provides keyboards that allow you to enter text in many different languages, including languages that read from right to left. For a complete list of supported keyboards, go to www.apple.com/iphone/specs.html.

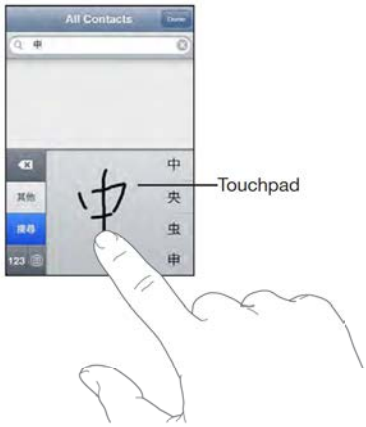
Turn international keyboards on or off:

1. In Settings, choose General > International > Keyboards.
2. Turn on the keyboards you want. Languages with more than one keyboard, such as Japanese and Chinese, indicate the number of keyboards available. Tap to choose a keyboard for that language.

Switch keyboards if more than one keyboard is turned on	Tap 🌐 to switch keyboards. When you tap the symbol, the name of the newly activated keyboard appears briefly.
Type letters, numbers, or symbols that aren't on the keyboard	Touch and hold the related letter, number, or symbol, then slide to choose a variation. On the Hebrew and Thai keyboards, for example, you can choose native numbers by touching and holding the related Arabic number.
Enter Japanese Kana	Use the Kana keypad to select syllables. For more syllable options, tap the arrow key and select another syllable or word from the window.
Enter Japanese QWERTY	Use the QWERTY keyboard to input code for Japanese syllables. As you type, suggested syllables appear. Tap the syllable to choose it.
Enter Emoji picture characters	Use the Emoji keyboard. Available only on iPhones purchased and used in Japan.
Enter Korean	Use the 2-Set Korean keyboard to type Hangul letters. To type double consonants or compound vowels, touch and hold the letter, then slide to choose the double letter.
Enter Simplified or Traditional Chinese Pinyin	Use the QWERTY keyboard to enter Pinyin for Chinese characters. As you type, suggested Chinese characters appear. Tap a character to choose it, or continue entering Pinyin to see more character options.

Enter Traditional Chinese Zhuyin	Use the keyboard to enter Zhuyin letters. As you type, suggested Chinese characters appear. Tap a character to choose it, or continue entering Zhuyin to see more character options. After you type an initial letter, the keyboard changes to show more letters.
Enter handwritten Simplified or Traditional Chinese	Use the touchpad to enter Chinese characters with your finger. As you write character strokes, iPhone recognizes them and shows matching characters in a list, with the closest match at the top. When you choose a character, its related characters appear in the list as additional choices. You can get some complex characters by entering two or more component characters. For example, enter 魚 (fish), then 鼠 (bristle), to get 鱷 (partial name of Hong Kong International Airport), which appears in the character list with an arrow next to it. Tap the character to replace the characters you entered.

When Simplified or Traditional Chinese handwriting formats are turned on, you can enter Chinese characters with your finger, as shown:



Searching

You can search many applications on iPhone, including Mail, Calendar, iPod, Notes, and Contacts. You can search an individual application, or search all the applications at once using Spotlight.



Go to Spotlight: From the main page of the Home screen, flick left to right.

If you're on the main Home screen page, you can press the Home button to go to Spotlight. From the Spotlight page, press the Home button to return to the main Home screen page. You can also set iPhone to go to Spotlight when you double-click the Home button. See "Home" on page 147.

Search iPhone: On the Spotlight page, enter text in the Search field. Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Icons to the left of the search results let you know which application the results are from. Tap an item in the results list to open it.

Application	What's searched
Contacts	First, last, and company names
Mail	To, From, and Subject fields of all accounts (the text of messages isn't searched)
Calendar	Event titles, invitees, and locations (notes aren't searched)
iPod	Music (names of songs, artists, and albums) and the titles of podcasts, video, and audiobooks
Notes	Text of notes

Spotlight also searches the names of the native and installed applications on iPhone, so if you have a lot of applications you may want to use Spotlight as a way to locate and open applications.

Open applications from Spotlight: Enter the application name, then tap to open the application directly from the search results.

Use the Search Results settings to choose which applications are searched and the order in which they're searched. See "Home" on page 147.

Voice Control

Voice Control (available only on iPhone 3GS) lets you make phone calls and control iPod music playback using voice commands.

Note: Voice Control isn't available in all languages.



Use Voice Control: Press and hold the Home button until the Voice Control screen appears and you hear a beep. You can also press and hold the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).

Use the following commands to make calls or play songs.

Call someone in contacts	Say "call" or "dial," then say the name of the person. If the person has more than one phone number, you can add "home" or "mobile," for example.
Dial a number	Say "call" or "dial," then say the number.
Control music playback	Say "play" or "play music." To pause, say "pause" or "pause music." You can also say "next song" or "previous song."
Play an album, artist, or playlist	Say "play," then say "album," "artist," or "playlist" and the name.
Shuffle the current playlist	Say "shuffle."
Find out more about the currently playing song	Say "what's playing," "what song is this," "who sings this song," or "who is this song by."
Use Genius to play similar songs	Say "Genius," "play more like this," or "play more songs like this."
Cancel Voice Control	Say "cancel" or "stop."

For best results:

- Speak into the iPhone microphone as if you were making a phone call. You can also use the microphone in your iPhone or Bluetooth headset.
- Speak clearly and naturally.

- Say only iPhone commands and names, and numbers. Pause slightly between commands.
- Use full names.

By default, Voice Control expects you to speak voice commands in the language that's set for iPhone (the General > International > Language setting). The Voice Control settings let you change the language for speaking voice commands. Some languages are available in different dialects or accents.

Change language or country: In Settings, choose General > International > Voice Control and tap the language or country.

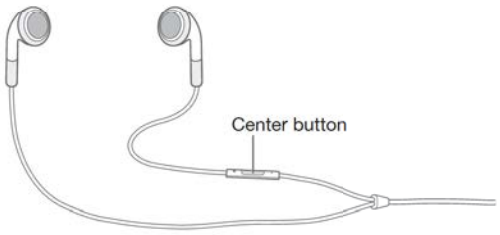
Voice Control for the iPod application is always on, but for security you can prevent voice dialing when iPhone is locked.

Prevent voice dialing when iPhone is locked: In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

See "Voice Dialing" on page 48 and "Using Voice Control with iPod" on page 77.

Stereo Headset

The headset included with iPhone features a microphone and an integrated button that allows you to answer and end calls easily, and control audio and video playback. The headset included with iPhone 3GS (shown here) also has volume buttons.



Plug in the headset to listen to music or make a phone call. Callers hear you through the built-in microphone. Press the center button to control music playback and answer or end calls, even when iPhone is locked. (You can also use the equivalent button on your Bluetooth headset to control these functions.)

Pause a song or video	Press the center button once. Press again to resume playback.
Skip to the next song	Press the center button twice quickly.
Return to previous song	Press the center button three times quickly.
Fast-forward	Press the center button twice quickly and hold.

Rewind	Press the center button three-times quickly and hold.
Adjust the volume (iPhone 3GS only)	Press the + or – button.
Answer an incoming call	Press the center button once.
End the current call	Press the center button once.
Decline an incoming call	Press and hold the center button for about two seconds, then let go. Two low beeps confirm you declined the call.
Switch to an incoming or on-hold call and put the current call on hold	Press the center button once. Press again to switch back to the first call.
Switch to an incoming or on-hold call and end the current call	Press and hold the center button for about two seconds, then let go. Two low beeps confirm you ended the first call.
Use Voice Control (iPhone 3GS only)	Press and hold the center button. See "Voice Control" on page 38.

If you get a call while the headset is plugged in, you can hear the ringtone through both the iPhone speaker and the headset.

Connecting to the Internet

iPhone connects to the Internet automatically whenever you use Mail, Safari, YouTube, Stocks, Maps, Weather, the App Store, or the iTunes Store.

How iPhone Connects to the Internet

iPhone connects to the Internet using either a Wi-Fi network or a cellular data network. iPhone does the following, in order, until connected:

- Connects over the last Wi-Fi network you used that's available.
- If no previously used Wi-Fi networks are available, iPhone shows a list of Wi-Fi networks in range. Tap a network and, if necessary, enter the password to join. Networks that require a password show a lock next to them. You can prevent iPhone from automatically showing available networks. See "Wi-Fi" on page 139.
- If no Wi-Fi networks are available or you choose not to join any, iPhone connects to the Internet over a cellular data network (3G, E, or ∘).

If no Wi-Fi networks are available and a cellular data network isn't available, iPhone cannot connect to the Internet.

Note: If you don't have a 3G connection, you cannot use the Internet over a cellular data network when you're on a call. You must have a Wi-Fi connection to use Internet applications while also talking on the phone.

Many Wi-Fi networks can be used free of charge including, in some regions, Wi-Fi hotspots provided by your iPhone carrier. Some Wi-Fi networks require a fee. To join a Wi-Fi network at a hotspot where charges apply, you can usually open Safari to see a webpage that allows you to sign up for service.

Joining a Wi-Fi Network

The Wi-Fi settings let you turn on Wi-Fi and join Wi-Fi networks.

Turn on Wi-Fi: Choose Settings > Wi-Fi and turn Wi-Fi on.

Join a Wi-Fi network: Choose Settings > Wi-Fi, wait a moment as iPhone detects networks in range, then select a network (fees may apply to join some Wi-Fi networks). If necessary, enter a password and tap Join (networks that require a password appear with a lock icon).

Once you've joined a Wi-Fi network manually, iPhone automatically connects to it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

When iPhone is connected to a Wi-Fi network, the Wi-Fi icon in the status bar at the top of the screen shows the connection strength. The more bars you see, the stronger the connection.

For information about configuring Wi-Fi settings, see "Wi-Fi" on page 139.

Cellular Data Network Access

3G, EDGE, and GPRS allow Internet connectivity over the cellular network available through your iPhone carrier's wireless service. Check the carrier's network coverage in your area for availability.

You can tell iPhone is connected to the Internet via the cellular data network if you see the 3G (3G), EDGE (E), or GPRS (o) icon in the status bar at the top of the screen.

Note: If you don't have a 3G connection, you may not be able to receive calls while iPhone is actively transferring data over a cellular network—downloading a webpage, for example. Incoming calls then go directly to voicemail.

Turn 3G on: In Settings, choose General > Network and tap Enable 3G.

If you're outside your carrier's network, you may be able to access the Internet through another carrier. To enable email, web browsing, and other data services whenever possible, turn Data Roaming on.

Turn Data Roaming on: In Settings, choose General > Network and turn Data Roaming on.

Important: Roaming charges may apply. To avoid data roaming charges, make sure Data Roaming is turned off.

Internet Access on an Airplane

Airplane mode turns off the iPhone radio transmitters to avoid interfering with aircraft operation. In some regions, where allowed by the aircraft operator and applicable laws and regulations, you can turn on Wi-Fi while airplane mode is on, to:

- Send and receive email
- Browse the Internet
- Sync your contacts and calendars over the air
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Purchase music and applications

For more information, see "Airplane Mode" on page 138.

VPN Access

VPN (virtual private network) provides secure access over the Internet to private networks, such as the network at your company or school. Use Network settings to configure and turn on VPN. See "Network" on page 143.

VPN can also be automatically set up by a configuration profile. See "Installing Configuration Profiles" on page 18. When VPN is set up by a configuration profile, iPhone may turn on VPN automatically whenever it's needed. Contact your system administrator for more information.

Using iPhone as a Modem

You can use iPhone 3G or later as a modem to connect, or *tether*, your computer to the Internet. You can connect iPhone to your computer using the Dock Connector to USB Cable, or via Bluetooth.

Note: Additional fees may apply. Contact your carrier for more information.

Tethering works over the cellular data network. You can't share a Wi-Fi connection to the Internet. If you have a 3G connection, you can make and receive phone calls while tethering.

Note: To use iPhone as a modem with a Mac computer, it must be running Mac OS X version 10.5.7 or later.

Set up a tethering connection:

1. In Settings, choose General > Network > Internet Tethering.
2. Slide the Internet Tethering switch to On.
3. Connect iPhone to your computer:

- *USB:* Connect your computer to iPhone, using the Dock Connector to USB Cable. In your computer's Network services settings, choose iPhone.

  On a Mac, a pop-up window appears the first time you connect, saying "A new network interface has been detected." Click Network Preferences, configure the network settings for iPhone, then click Apply. On a PC, use the Network Control Panel to configure the iPhone connection.
- *Bluetooth:* On iPhone, choose Settings > General > Bluetooth and turn on Bluetooth. Then refer to the documentation that came with your computer system software to pair and connect iPhone with your computer.

When you're connected, a blue band appears at the top of the screen. Tethering remains on when you connect with USB, even when you aren't actively using the Internet connection.

Monitor your cellular data network usage: In Settings, choose General > Usage.

Battery

iPhone has an internal rechargeable battery.

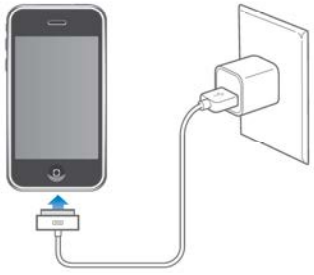
Charging the Battery

WARNING: For important safety information about charging iPhone, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

The battery icon in the upper-right corner shows the battery level or charging status. You can also display the percentage of the battery charge (iPhone 3GS only).

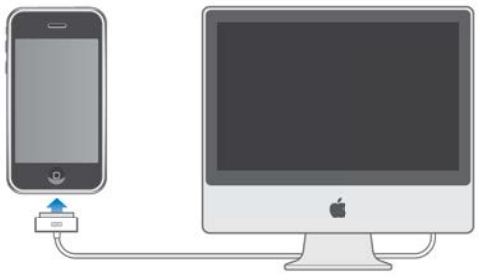


Charge the battery: Connect iPhone to a power outlet using the included Dock Connector to USB Cable and USB power adapter.



Charge the battery and sync iPhone: Connect iPhone to your computer using the included Dock Connector to USB Cable. Or connect iPhone to your computer using the included cable and the Dock, available separately.

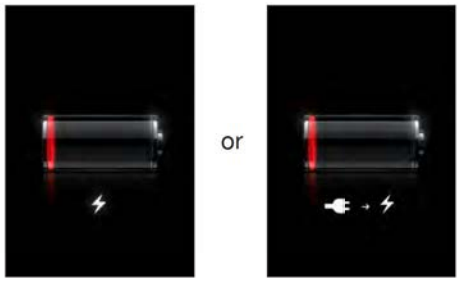
Unless your keyboard has a high-powered USB 2.0 port, you must connect iPhone to a USB 2.0 port on your computer.



Important: The iPhone battery may drain instead of charge if iPhone is connected to a computer that's turned off or is in sleep or standby mode.

If you charge the battery while syncing or using iPhone, it may take longer to charge.

Important: If iPhone is very low on power, it may display one of the following images, indicating that iPhone needs to charge for up to ten minutes before you can use it. If iPhone is extremely low on power, the display may be blank for up to two minutes before one of the low-battery images appears.



Maximizing Battery Life

iPhone uses lithium-ion batteries. To learn more about how to maximize the lifespan and battery life of your iPhone, go to www.apple.com/batteries.

Replacing the Battery

Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. The iPhone battery isn't user replaceable; it can only be replaced by an authorized service provider. For more information, go to www.apple.com/support/iphone/service/battery.

Security Features

Security features help protect the information on iPhone from being accessed by others.

You can set up a passcode that you must enter each time you turn on or wake up iPhone.

Set a passcode: Choose General > Passcode Lock and enter a 4-digit passcode, then enter the passcode again to verify it. iPhone then requires you to enter the passcode to unlock it or to display the passcode lock settings.

For addition information about using a passcode lock, see "Passcode Lock" on page 145.

Prevent voice dialing when iPhone is locked: In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

The Find My iPhone feature helps you locate iPhone if it's been lost or misplaced, and display a message on your iPhone to help someone return it to you. It includes Remote Wipe, which lets you erase all your information on iPhone in case you don't recover it. The Remote Passcode Lock feature lets you remotely lock your iPhone and create a new or replacement 4-digit passcode.

Find My iPhone requires a MobileMe account. MobileMe is an online service, available by subscription. Go to www.apple.com/mobileme for more information.

To enable this feature, turn on Find My iPhone in your MobileMe account settings. See "Setting Up Accounts" on page 16.

Find your iPhone: Log in to your MobileMe account at www.me.com and go to the Find My iPhone pane. Follow the onscreen instructions to locate your device on a map and display a message on its screen along with an optional sound to help you find it.

Remotely wipe information on your iPhone: Log in to your MobileMe account at www.me.com, then go to the Find My iPhone pane. Click "Remote Wipe…," and follow the onscreen instructions.

A remote wipe is equivalent to the "Erase all content and settings" feature in Settings. It resets all settings to their defaults and erases all your information and media. See "Resetting iPhone" on page 149.

Remotely lock your iPhone: Log in to your MobileMe account at www.me.com, then go to the Find My iPhone pane. Click Remote Passcode Lock, and follow the onscreen instructions.

Cleaning iPhone

To clean iPhone, unplug all cables and turn off iPhone (press and hold the Sleep/ Wake button, then slide the onscreen slider). Then use a soft, slightly damp, lint-free cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean iPhone. If your iPhone has an oleophobic coating on the screen (iPhone 3GS only), simply wipe your iPhone's screen with a soft, lint-free cloth to remove oil left by your hands and face.

For additional information about handling iPhone, see the *iPhone Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Restarting and Resetting iPhone

If something isn't working right, try restarting, force quitting an application, or resetting iPhone.

Restart iPhone: Press and hold the Sleep/Wake button until the red slider appears. Slide your finger across the slider to turn off iPhone. To turn iPhone back on, press and hold the Sleep/Wake until the Apple logo appears.

If you can't turn off iPhone or if the problem continues, you may need to reset. A reset should be done only if turning iPhone off and on doesn't resolve the problem.

Force quit an application: Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, and then press and hold the Home button until the application quits.

Reset iPhone: Press and hold the Sleep/Wake button and the Home button at the same time for at least ten seconds, until the Apple logo appears.

For more troubleshooting suggestions, see Appendix A, "Troubleshooting," on page 193.

Phone

3

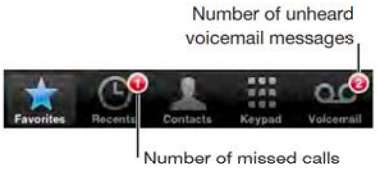
Phone Calls

Making a call on iPhone is as simple as tapping a name and number in your contacts, tapping one of your favorites, or tapping a recent call to return it.

Making Calls

Buttons at the bottom of the Phone screen give you quick access to your favorites, recent calls, your contacts, and a numeric keypad for dialing manually.

> *WARNING:* For important information about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.



Use Contacts to call someone	Tap Contacts, choose a contact, then tap a phone number.
Call a favorite	Tap Favorites, then choose a contact.
Return a recent call	Tap Recents, then tap a name or number in the list.
Dial a number	Tap Keypad, enter the number, then tap Call.

If you copy a phone number to the clipboard, you can paste it to the keypad and dial it.

Paste a number to the keypad: Tap the screen above the keyboard, then tap Paste. If the phone number you copied included letters, iPhone automatically converts them to the appropriate digits.

Jump to favorites from anywhere: Double-click the Home ▢ button. You can change this preference in Settings. See "Home" on page 147.

Bring up the last number you dialed: Tap Keypad, then tap Call. Tap Call again to dial the number.

Voice Dialing

You can use Voice Control (iPhone 3GS only) to call someone in your contacts or dial a specific number.

Note: Voice Control isn't available in all languages.

Use Voice Control to make phone calls: Press and hold the Home button until the Voice Control screen appears and you hear a beep. Then use the commands described below to make calls.

You can also press and hold the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) to use Voice Control.

Call someone in contacts	Say "call" or "dial" then say the name of the person. If the person has more than one number, specify which one you want to call. Examples: • Call John Appleseed • Call John Appleseed at home • Call John Appleseed, mobile
Dial a number	Say "call" or "dial," then say the number.

For best results, speak the full name of the person you're calling. If you give only the first name, and you have more than one contact with that same name, iPhone asks which of those contacts you want to call. If there's more than one number for the person you're calling, specify which number to use. If you don't specify which number, iPhone asks you which one to use.

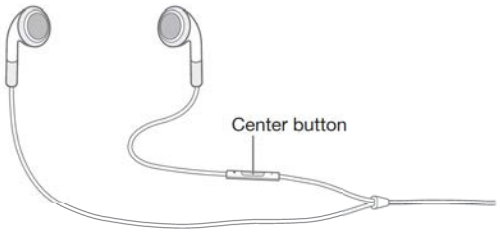
When voice dialing a number, speak each digit separately—for example, say "four one five, five five five, one two one two."

Note: For the "800" area code in the U.S., you can say "eight hundred."

Prevent voice dialing when iPhone is locked: In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

Receiving Calls

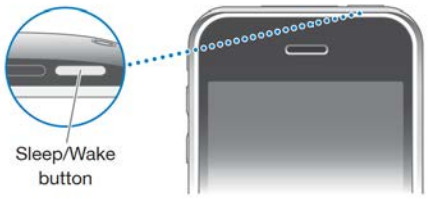
When you receive a call, tap Answer. If iPhone is locked, drag the slider. You can also press the center button on your iPhone headset or the equivalent button on your Bluetooth headset to answer a call.



Silence a call: Press the Sleep/Wake button or either volume button. You can still answer the call after silencing it, until it goes to voicemail.

Decline a call: Do one of the following to send a call directly to voicemail.

- Press the Sleep/Wake button twice quickly.



- Press and hold the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) for about two seconds. Two low beeps confirm that the call was declined.
- Tap Decline (if iPhone is awake when a call comes in).

Block calls and maintain Wi-Fi access to the Internet: In Settings, turn on Airplane Mode, then tap Wi-Fi to turn it on.

While On a Call

When you're on a call, the screen shows call options.



Mute your line	Tap Mute. You can still hear the caller, but the caller can't hear you.
Use the keypad to enter information	Tap Keypad.
Use the speakerphone or a Bluetooth device	Tap Speaker. The Button is labeled Audio Source when a Bluetooth device is available, which lets you select the Bluetooth device, iPhone, or Speaker Phone.
See contact information	Tap Contacts.
Put a call on hold	Tap Hold. Neither party can hear the other.
Make another call	Tap Add Call.

Use other applications during a call: Press the Home ▢ button, then tap an application icon.

End a call: Tap End Call. Or press the center button on your iPhone headset (or the equivalent button on your Bluetooth headset).

Second Calls

During a call, you can make or receive another call. If you receive a second call, iPhone beeps and shows the caller's information and a list of options.

Note: Making and receiving a second call may be an optional service in some countries. Contact your carrier for more information.

Respond to a second call:

- *To ignore the call and send it to voicemail,* tap Ignore.
- *To hold the first call and answer the new one,* tap Hold Call + Answer.
- *To end the first call and answer the new one,* tap End Call + Answer.

Make a second call: Tap Add Call. The first call is put on hold.

Switch between calls: Tap Swap. The active call is put on hold.

Create a conference call: Tap Merge Calls. See "Conference Calls" below.

Conference Calls

You can talk to more than one person at a time, and merge up to five calls, depending on your carrier.

Note: Conference calling may be an optional service in some countries. Contact your carrier for more information.

Create a conference call:

1. Make a call.
2. Tap Add Call and make another call. The first call is put on hold.
3. Tap Merge Calls. The calls are merged on one line and everyone can hear each other.

4 Repeat steps two and three to add up to five calls.

Drop one call	Tap Conference and tap next to a call. Then tap End Call.
Talk privately with a call	Tap Conference, then tap Private next to a call. Tap Merge Calls to resume the conference.
Add an incoming call	Tap Hold Call + Answer, then tap Merge Calls.

If your service includes conference calling, iPhone always has a second line available in addition to the conference call.

Emergency Calls

If iPhone is locked with a passcode, you may still be able to make an emergency call.

Make an emergency call when iPhone is locked: On the Enter Passcode screen, tap Emergency Call, then dial the number using the keypad.

Important: Only emergency numbers valid in the region where you're making the call will work. In some countries, you can't make emergency calls unless your SIM card is installed and activated, and the SIM PIN has been correctly entered or turned off.

In the U.S., location information (if available) is provided to emergency service providers when you dial 911.

Important: You should not rely on wireless devices for essential communications, such as medical emergencies. Use of any cellular phone to call emergency services may not work in all locations. Emergency numbers and services vary by region, and sometimes an emergency call cannot be placed due to network availability or environmental interference. Some cellular networks may not accept an emergency call from iPhone if it doesn't have a SIM, if you locked your SIM, or if you haven't activated your iPhone.

Visual Voicemail

On iPhone, visual voicemail lets you see a list of your messages and choose which ones to listen to or delete, without having to listen to instructions or prior messages.

Note: Visual voicemail may not be available in all regions, or may be an optional service. Contact your carrier for more information. If visual voicemail isn't available, tap Voicemail and follow the voice prompts to retrieve your messages.



Number of missed calls and unheard voicemail messages appears on the Home screen Phone icon.

Setting Up Voicemail

The first time you tap Voicemail, iPhone prompts you to create a voicemail password and record your voicemail greeting.

Change your greeting:

1. Tap Voicemail, tap Greeting, then tap Custom.
2. Tap Record when you're ready to start.
3. When you finish, tap Stop. To review, tap Play.

   To rerecord, repeat steps 2 and 3.
4. Tap Save.

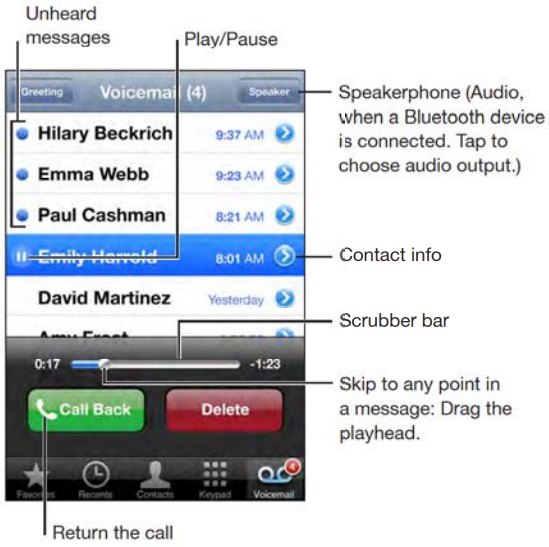
Use your carrier's default greeting	Tap Voicemail, tap Greeting, then tap Default.
Set an alert sound for new voicemail	In Settings, choose Sounds and turn New Voicemail on. The alert sounds once for each new voicemail. If the Ring/Silent switch is off, iPhone won't sound alerts.
Change the voicemail password	In Settings, choose Phone > Change Voicemail Password.

Checking Voicemail

When you tap Phone, iPhone shows the number of missed calls and unheard voicemail messages.



Tap Voicemail to see a list of your messages.



Listen to a message: Tap the message. (If you've already heard the message, tap the message again to replay it.) Use ⏸ and ▶ to pause and resume playback.

Once you listen to a message, it's saved until your carrier automatically erases it.

Check voicemail from another phone: Dial your own number or your carrier's remote access number.

Deleting Messages

Select a message, then tap Delete. Deleted visual voicemail messages are saved on iPhone until your carrier permanently erases them.

Listen to a deleted message	Tap Deleted Messages (at the end of the list), then tap the message.
Undelete a message	Tap Deleted Messages (at the end of the list), then tap the message and tap Undelete.

Getting Contact Information

Visual voicemail saves the date and time of the call, the length of the message, and any available contact information.

See a caller's contact information: Tap ⓘ next to a message.

You can use the information to email or text the caller, or update contact info.

Contacts

From a contact's Info screen, a quick tap lets you make a phone call, create a new email message, find the location of their address, and more. See "Searching Contacts" on page 177.

Favorites

Favorites gives you quick access to your most-used phone numbers.

Add a contact's number to your favorites list: Tap Contacts and choose a contact. Then tap "Add to Favorites" and choose the number you want to add.

Add a recent caller's number to your favorites list: Tap Recents and tap next to a caller, then tap "Add to Favorites."

Go to favorites: Double-click the Home button. See "Home" on page 147.

Call a contact from your favorites	Tap Favorites and choose a contact.
Delete a contact from your favorites	Tap Favorites and tap Edit. Then tap next to a contact or number and tap Remove.
Reorder your favorites list	Tap Favorites and tap Edit. Then drag next to a contact to a new place in the list.

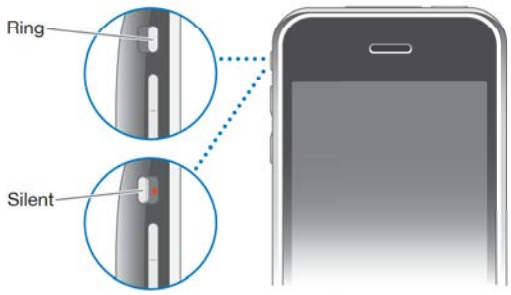
Ringtones and the Ring/Silent Switch

iPhone comes with ringtones you can use for incoming calls, Clock alarms, and the Clock timer. You can also create and purchase ringtones from songs in iTunes.

Ring/Silent Switch and Vibrate Modes

A switch on the side of iPhone makes it easy to turn the ringer on or off.

Turn the ringer on or off: Flip the switch on the side of iPhone.



Important: Clock alarms still sound even if you set the Ring/Silent switch to silent.

Set iPhone to vibrate: In Settings, choose Sounds. Separate controls let you set vibrate for both ring mode and silent mode.

For more information, see Chapter 19, "Settings," on page 138.

Setting Ringtones

You can set the default ringtone for calls and Clock alarms and timers. You can also assign individual ringtones to contacts so you know who's calling.

Set the default ringtone: In Settings, choose Sounds > Ringtone, then choose a ringtone.

Assign a ringtone to a contact: From Phone, tap Contacts and choose a contact. Then tap Ringtone and choose a ringtone.

Purchasing Ringtones

You can purchase ringtones from the iTunes Store on your iPhone. See "Purchasing Ringtones" on page 162.

Bluetooth Devices

You can use iPhone with hands-free Bluetooth headsets and Bluetooth car kits. iPhone also supports Bluetooth stereo headphone devices when using iPod.

Pairing a Device with iPhone

You must first pair a Bluetooth device with iPhone before you can use it.

Pair with iPhone:

1. Follow the instructions that came with the device to make it discoverable or to set it to search for other Bluetooth devices.
2. In Settings, choose General > Bluetooth and turn Bluetooth on.
3. Choose the device on iPhone and enter its passkey or PIN number. See the instructions about the passkey or PIN that came with the device.

After you pair a Bluetooth device to work with iPhone, you must make a connection to have iPhone use the device for your calls.

Connect with iPhone: See the documentation that came with the headset or car kit.

When iPhone is connected to a Bluetooth device, outgoing calls are routed through the device. Incoming calls are routed through the device if you answer using the device, and through iPhone if you answer using iPhone.

> ***WARNING:*** For important information about avoiding hearing loss and about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Bluetooth Status

The Bluetooth icon appears in the iPhone status bar at the top of the screen:

- *(blue) or (white):* Bluetooth is on and a device is connected to iPhone. (The color depends on the current color of the status bar.)
- *(gray):* Bluetooth is on but no device is connected. If you've paired a device with iPhone, it may be out of range or turned off.
- *No Bluetooth icon:* Bluetooth is turned off.

Routing Calls Back Through iPhone

When iPhone is connected to a Bluetooth device, you listen to calls through iPhone by doing one of the following:

- Answer a call by tapping the iPhone screen.
- During a call, tap Audio on iPhone. Choose iPhone to hear calls through iPhone or Speaker Phone to use the speakerphone.
- Turn off Bluetooth. In Settings, choose General > Bluetooth and drag the switch to Off.
- Turn off the Bluetooth device, or move out of range. You must be within about 30 feet of a Bluetooth device for it to be connected to iPhone.

Unpairing a Device from iPhone

If you've paired iPhone with a device and want to use another device instead, you must unpair the first device.

Unpair a device:

1. In Settings, choose General > Bluetooth and turn Bluetooth on.
2. Choose the device and tap Unpair.

International Calls

iPhone 3G and iPhone 3GS are multi-band phones, supporting UMTS/HSDPA (850, 1900, 2100 MHz) and GSM (850, 900, 1800, 1900 MHz), ensuring broad international coverage.

Making International Calls from Your Home Area

For information about making international calls from your home area, including rates and other charges that may apply, contact your carrier or go to your carrier's website.

Using iPhone Abroad

You can use iPhone to make calls in many countries around the world.

Enable international roaming: Contact your carrier for information about availability and fees.

Set iPhone to add the correct prefix when dialing from another country: In Settings, tap Phone, then turn International Assist on. This lets you make calls to your home country using the numbers in your contacts and favorites, without having to add a prefix or your country code. International Assist works for U.S. telephone numbers only.

When you make a call using International Assist, "International Assist" appears on the iPhone screen, alternating with the "calling ..." message, until your call is connected.

Note: International Assist is not available in all areas.

Set the carrier to use: In Settings, tap Carrier, then select the carrier you prefer. This option is available only when you're traveling outside your carrier's network. You can make calls only on carriers that have roaming agreements with your iPhone service provider. For more information, see "Carrier" on page 141.

Important: Voice and data roaming charges may apply. To avoid data roaming charges, turn Data Roaming off.

Turn Data Roaming on or off: In Settings, choose General > Network and turn Data Roaming on or off. Data Roaming is turned off by default.

Turning Data Roaming off helps to avoid data roaming charges when traveling outside your carrier's network by disabling data transmission over the cellular network. You can still access the Internet if you have a Wi-Fi connection. If Wi-Fi network access isn't available, however, you cannot:

- Send or receive email
- Browse the Internet
- Sync your contacts, calendars, or bookmarks with MobileMe or Exchange
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Purchase music or applications

Other third-party applications that use data roaming may also be disabled.

If Data Roaming is turned off, you can still make and receive phone calls, and send and receive text messages. Voice roaming charges may apply. Visual voicemail is delivered if there's no charge; if your carrier charges for delivery of visual voicemail when roaming, turning Data Roaming off prevents the delivery of visual voicemail.

To enable email, web browsing, and other data services, turn Data Roaming on.

Important: If Data Roaming is turned on, you may incur charges when roaming outside your carrier's network for the use of any of the features listed above, as well as for delivery of visual voicemail. Check with your carrier for information about roaming charges.

Get voicemail when visual voicemail isn't available: Dial your own number, or touch and hold "1" on the keypad.

You can use Airplane Mode to turn off cellular services and then turn Wi-Fi on to get access to the Internet, while preventing voice roaming charges.

Use Airplane Mode to turn off cellular services: In Settings, tap Airplane Mode to turn it on, then tap Wi-Fi and turn Wi-Fi on. See "Airplane Mode" on page 138.

Incoming phone calls are sent to voicemail. To make and receive calls again and get your voicemail messages, turn Airplane Mode off.

Mail

4



Mail works with MobileMe, Microsoft Exchange, and many of the most popular email systems—including Yahoo! Mail, Google email, and AOL—as well as other industry-standard POP3 and IMAP email systems. You can send and receive embedded photos and graphics, and view PDFs and other attachments.

Setting Up Email Accounts

You can set up email accounts on iPhone in either of the following ways:

- Set up an account directly on iPhone. See "Setting Up Accounts" on page 16.
- In iTunes, use the iPhone preference panes to sync email accounts settings from your computer. See "Syncing" on page 11.

Sending Email

You can send an email message to anyone who has an email address.

Compose and send a message:

1. Tap ✎.
2. Type a name or email address in the To field, or tap ⊕ to add a name from your contacts.

   As you type an email address, matching email addresses from your contacts list appear below. Tap an address to add it. To add more names, tap Return or ⊕.

   Note: If you're composing a message from your Microsoft Exchange account and have access to your enterprise Global Address List (GAL), matching addresses from the contacts on iPhone appear first, followed by matching GAL addresses.
3. Tap Cc/Bcc/From if you want to copy or blind copy the message to others, or change the account you send the message from. If you have more than one email account, you can tap the From field to change the account you're sending from.

4 Enter a subject, then your message.

You can tap Return to move from one field to another.

5 Tap Send.

Send a photo or video (iPhone 3GS only) in an email message	In Photos, choose a photo or video, tap, then tap Email Photo or Email Video. You can also copy and paste photos and videos. The photo or video is sent using your default email account (see "Mail" on page 152).
Send a video in an email message (iPhone and iPhone 3G)	In Photos, choose a video, then touch and hold the video until the Copy command appears. Tap Copy. Go to Mail and create a new message. Tap to place an insertion point where you want the video, then tap the insertion point to display the edit commands and tap Paste. The video is sent using your default email account (see "Mail" on page 152).
Save a draft of a message to complete later	Tap Cancel, then tap Save. The message is saved in the Drafts mailbox.
Reply to a message	Tap. Tap Reply to reply only to the sender or tap Reply All to reply to the sender and all recipients. Type your return message, then tap Send. Files or images attached to the initial message aren't sent back.
Forward a message	Open a message and tap, then tap Forward. Add one or more email addresses, type your message, then tap Send. When you forward a message, you can include the files or images attached to the original message.
Share contact information	In Contacts, choose a contact, tap Share Contact at the bottom of the Info screen, then tap Email.

Checking and Reading Email

The Mail icon shows the total number of unread messages in all your inboxes. You may have other unread messages in other mailboxes.

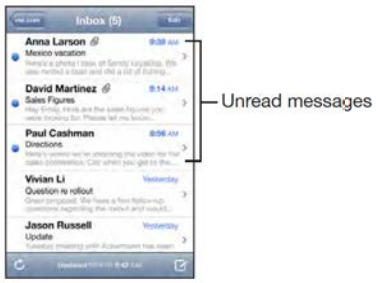


Check for new messages: Choose a mailbox or tap at any time.

On each account screen, you can see the number of unread messages in each mailbox.



Tap a mailbox to see its messages. Unread messages have a blue dot next to them.



When you open a mailbox, Mail loads the number of most recent messages specified in your Mail settings, if the messages haven't already been loaded automatically. (See "Mail" on page 152.)

Load additional messages: Scroll to the bottom of the list of messages and tap Load More Messages.

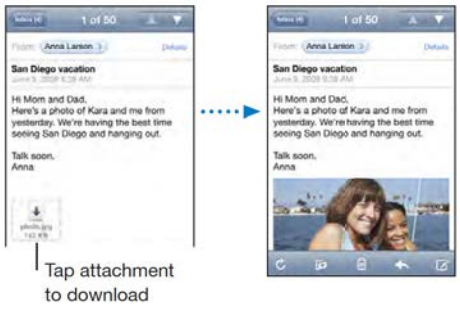
Read a message: Tap a mailbox, then tap a message. Within a message, tap ▲ or ▼ to see the next or previous message.

Zoom in on part of a message	Double-tap an area of the message to zoom in. Double-tap again to zoom out.
Resize any column of text to fit the screen	Double-tap the text.
Resize a message manually	Pinch to zoom in or out.

Follow a link	Tap the link. Text links are typically underlined and blue. Many images are also links. A link can take you to a webpage, open a map, dial a phone number, or open a new preaddressed email message. Web, phone, and map links open Safari, Phone, or Maps on iPhone. To return to your email, press the Home button and tap Mail.
See a link's destination address	Touch and hold the link. The address is displayed, and you can choose to open the link in Safari or copy the link address to the clipboard.

iPhone displays picture attachments in many commonly used formats (JPEG, GIF, and TIFF) inline with the text in email messages. iPhone can play many audio attachments (such as MP3, AAC, WAV, and AIFF). You can download and view files (such as PDF, webpage, text, Pages, Keynote, Numbers, and Microsoft Word, Excel, and PowerPoint documents) attached to messages you receive.

Open an attached file: Tap the attachment. It downloads to iPhone and then opens.



You can view attachments in portrait or landscape orientation. If the format of an attached file isn't supported by iPhone, you can see the name of the file but you can't open it. iPhone supports the following document types:

.doc	Microsoft Word
.docx	Microsoft Word (XML)
.htm	webpage
.html	webpage
.key	Keynote
.numbers	Numbers
.pages	Pages

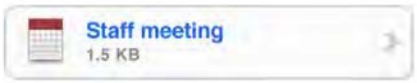
.pdf	Preview, Adobe Acrobat
.ppt	Microsoft PowerPoint
.pptx	Microsoft PowerPoint (XML)
.rtf	Rich Text Format
.txt	text
.vcf	contact information
.xls	Microsoft Excel
.xlsx	Microsoft Excel (XML)

Save an attached photo to your Camera Roll album: Tap the photo, then tap Save Image. If the photo hasn't been downloaded yet, tap the download notice first.

Save an attached video to your Camera Roll album: Touch and hold the attachment, then tap Save Video. If the video hasn't been downloaded yet, tap the download notice first.

See all the recipients of a message	Tap Details. Tap a name or email address to see the recipient's contact information. Then tap a phone number, email address, or text message to contact the person. Tap Hide to hide the recipients.
Add an email recipient to your contacts list	Tap the message and, if necessary, tap Details to see the recipients. Then tap a name or email address and tap Create New Contact or "Add to Existing Contact."
Mark a message as unread	Open the message and tap "Mark as Unread." A blue dot appears next to the message in the mailbox list until you open it again.

Open a meeting invitation: Tap the invitation.



You can get contact information for the organizer and other attendees, set an alert, add notes to the event, and add comments that are included in your response emailed to the organizer. You can accept, tentatively accept, or decline the invitation. See "Responding to Meeting Invitations" on page 95.

Turn Push on or off: In Settings, choose "Mail, Contacts, Calendars" > Fetch New Data, then turn Push on or off. See "Fetch New Data" on page 151.

Searching Email

You can search the To, From, and Subject fields of email messages. Mail searches the downloaded messages in the currently open mailbox. For MobileMe, Exchange, and some IMAP mail accounts, you can also search messages on the server.



Search email messages: Open a mailbox, scroll to the top, and enter text in the Search field. Tap From, To, Subject, or All (From, To, and Subject) to choose which fields you want to search. (Tap the status bar to scroll quickly to the top of the list and reveal the search field.)

Search results for the messages already downloaded to iPhone appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Search messages on the server: Tap "Continue Search on Server" at the end of the search results.

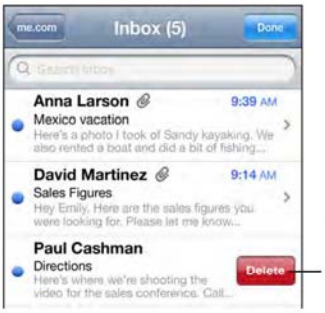
Note: Search results of messages on servers may vary depending on the type of account. Some servers may search only whole words.

Organizing Email

You can delete messages one at a time, or select a group to delete all at once. You can also move messages from one mailbox or folder to another.

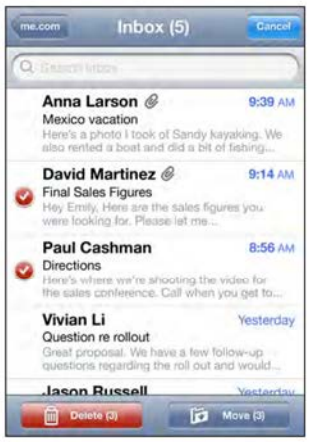
Delete a message: Open the message and tap 🗑.

You can also delete a message directly from the mailbox message list by swiping left or right over the message title, then tapping Delete.



To show the Delete button, swipe left or right over the message.

Delete multiple messages: When viewing a list of messages, tap Edit, select the messages you want to delete, then tap Delete.



Move a message to another mailbox or folder: When viewing a message, tap , then choose a mailbox or folder.

Move multiple messages: When viewing a list of messages, tap Edit, select the messages you want to move, then tap Move and select a mailbox or folder.

Safari

5



Viewing Webpages

Safari lets you surf the web and view webpages on iPhone in the same way as if you were on your computer. You can create bookmarks on iPhone and sync bookmarks with your computer. Add web clips for quick access to your favorite sites directly from the Home screen.

You can view webpages in either portrait or landscape orientation. Rotate iPhone and the webpage rotates too, automatically adjusting to fit the page.



Opening Webpages

Open a webpage: Tap the address field (on the left side of the title bar), then type the web address and tap Go. If the address field isn't visible, tap the status bar at the top of the screen to quickly scroll to the address field at the top of the webpage.

As you type, web addresses that start with those letters appear. These are bookmarked pages or recent pages you've opened. Tap an address to go to that page. Keep typing if you want to enter a web address that's not in the list.

Erase the text in the address field: Tap the address field, then tap ⊗.

66

Zooming and Scrolling

Zoom in or out: Double-tap a column on a webpage to expand the column. Double-tap again to zoom out.



You can also pinch to zoom in or out manually.

Scroll around a webpage	Drag up, down, or sideways. When scrolling, you can touch and drag anywhere on the page without activating any links.
Scroll within a frame on a webpage	Use two fingers to scroll within a frame on a webpage. Use one finger to scroll the entire webpage.
Scroll quickly to the top of a webpage	Tap the status bar at the top of the iPhone screen.

Navigating Webpages

Links on webpages typically take you to another place on the web.

Follow a link on a webpage: Tap the link.

Links on iPhone can also initiate a phone call, display a location in Maps, or create a preaddressed Mail message. To return to Safari after a link opens another application, press the Home ▢ button and tap Safari.

See a link's destination address	Touch and hold the link. The address pops up next to your finger. You can touch and hold an image to see if it has a link.
Stop a webpage from loading	Tap ✕.
Reload a webpage	Tap ↻.
Return to the previous or next page	Tap ◀ or ▶ at the bottom of the screen.
Return to a recently viewed page	Tap 📖 and tap History. To clear the history list, tap Clear.
Send a webpage address via email	Tap + and tap "Mail Link to this Page."
Save an image or photo to your Camera Roll album	Touch and hold the image, then tap Save Image.

Opening Multiple Pages

You can have up to eight pages open at a time. Some links automatically open a new page instead of replacing the current one.

The number inside the pages icon at the bottom of the screen shows how many pages are open. If there's no number inside, just one page is open. For example:

= one page is open

= three pages are open

Open a new page: Tap and tap New Page.

Go to another page: Tap and flick left or right. Tap the page you want to view.



Close a page: Tap and tap . You can't close a page if it's the only one open.

Entering Text and Filling Out Forms

Some webpages have text fields and forms to fill out. You can set Safari to remember names and passwords of websites you visit and fill out text fields automatically with information from Contacts. See "Safari" on page 156.

Bring up the keyboard	Tap inside a text field.
Move to another text field	Tap another text field, or tap the Next or Previous button.
Submit a form	Once you finish filling out a form, tap Go or Search. Most pages also have a link you can tap to submit the form.
Close the keyboard without submitting the form	Tap Done.

Enable AutoFill to help you fill out web forms: In Settings, choose Safari > AutoFill, then do one of the following:

- *To use information from contacts,* turn Use Contact Info on, then choose My Info and select the contact you want to use.

  Safari uses information from Contacts to fill in contact fields on web forms.
- *To use information from names and passwords,* turn Names & Passwords on.

  When this feature is on, Safari remembers names and passwords of websites you visit and automatically fills in the information when you revisit the website.
- *To remove all AutoFill information,* tap Clear All.

Searching the Web

By default, Safari searches using Google. You can search using Yahoo!, instead.

Search the web:

1. Tap the search field (on the right side of the title bar).
2. Type a word or phrase that describes what you're looking for, then tap Google.
3. Tap a link in the list of search results to open a webpage.

Set Safari to search using Yahoo!: From the Home screen choose Settings > Safari > Search Engine, then choose Yahoo!.

Bookmarks

You can bookmark webpages you want to return to later.

Bookmark a webpage: Open the page and tap +. Then tap Add Bookmark.

When you save a bookmark you can edit its title. By default, bookmarks are saved at the top level of Bookmarks. Tap Bookmarks to choose another folder.

If you use Safari on a Mac, or Safari or Microsoft Internet Explorer on a PC, you can sync bookmarks with the web browser on your computer.

Sync bookmarks with your computer:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. Click the Info tab, select "Sync … bookmarks" under Web Browser, then click Apply.

See "Syncing" on page 11.

Sync bookmarks with MobileMe: In Settings on iPhone, select Bookmarks in your MobileMe account. See "Setting Up Accounts" on page 16.

Open a bookmarked webpage: Tap 📖, then choose a bookmark or tap a folder to see the bookmarks inside.

Edit a bookmark or bookmark folder: Tap 📖, choose the folder that has the bookmark or folder you want to edit, then tap Edit. Then do one of the following:

- *To make a new folder,* tap New Folder.
- *To delete a bookmark or folder,* tap ⊖, then tap Delete.
- *To reposition a bookmark or folder,* drag ☰.
- *To edit the name or address, or to put it in a different folder,* tap the bookmark or folder.

When you're finished, tap Done.

Web Clips

Add web clips to the Home screen for fast access to your favorite webpages. Web clips appear as icons on the Home screen, and you can arrange your web clips along with the other icons. See "iPhone Applications" on page 23.

Add a web clip: Open the webpage and tap ➕. Then tap "Add to Home Screen."

When you open a web clip, Safari automatically zooms and scrolls to the area of the webpage that was displayed when you saved the web clip. The displayed area is also used to create the icon for the web clip on your Home screen, unless the webpage comes with its own custom icon.

When you add a web clip, you can edit its name. If the name is too long (more than about 10 characters), it may appear abbreviated on the Home screen.

Web clips aren't bookmarks, and aren't synced by MobileMe or iTunes.

Delete a web clip:

1. Touch and hold any icon on the Home screen until the icons start to wiggle.
2. Tap ⊗ in the corner of the web clip you want to delete.
3. Tap Delete, then press the Home ▢ button to save your arrangement.

iPod

6



iPhone syncs with iTunes on your computer to get songs, videos, and other content you've collected in your iTunes library. For information about adding music and other media to your iTunes library, open iTunes and choose Help > iTunes Help.

Getting Music, Video, and More

To get music, video, and other content onto iPhone, you can set up iTunes on your computer to automatically sync content in your library, or you can manually manage the media you put on iPhone.

Syncing Content from iTunes

You can transfer music, video, and more onto iPhone by syncing content from iTunes. You can sync all of your media, or you can select specific songs, videos, podcasts, and iTunes U collections.

Set iTunes to sync iPod content:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. On the Music, Movies, TV Shows, Podcasts, and iTunes U tabs, select the content you want to sync to iPhone. For example, you could set iTunes to sync selected music playlists and the three most recent episodes of your favorite video podcast.
4. Click Apply.

To set iTunes to sync iPod content and other info automatically, click the Summary tab and select "Automatically sync when this iPhone is connected."

Important: If you delete an item from iTunes, it will also be deleted from iPhone the next time you sync.

71

Only songs and videos encoded in formats that iPhone supports are transferred to iPhone. For information about which formats iPhone supports, see "Song, Video, or Other Items Won't Play" on page 200.

If there are more songs in your iTunes library than can fit on your iPhone, iTunes offers to create a special playlist to sync with iPhone. iTunes fills the playlist with random selections from your library. You can add or delete songs from the playlist and sync again.

If you listen to part of a podcast or audiobook, your place in the story is included if you sync the content with iTunes. If you started listening to the story on iPhone, you can pick up where you left off using iTunes on your computer—or vice versa.

For more information about using iTunes to get music and other media onto your computer, see "What You Need" on page 9.

Manually Managing Content

The manually managing feature lets you choose just the music, video, and podcasts you want to have on iPhone.

Set up iPhone for manually managing content:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. Click the Summary tab and select "Manually manage music and videos."
4. Click Apply.

Add items to iPhone: Drag a song, video, podcast, or playlist in your iTunes library to iPhone (in the sidebar). Shift-click or Command-click (Mac) or Control-click (Windows) to select multiple items to add at the same time.

iTunes syncs the content immediately. If you deselect "Manually manage music and videos," the content you added manually is removed from iPhone the next time iTunes syncs content.

Remove items from iPhone: With iPhone connected to your computer, select the iPhone icon in the iTunes sidebar. Click the disclosure triangle to the left of the icon to show the contents. Select a content area, such as Music or Movies, then select the items you want to delete and press the Delete key on the keyboard.

Removing an item from iPhone doesn't delete it from your iTunes library.

Purchasing and Downloading Content from the iTunes Store

You can use the iTunes Store on iPhone to purchase and download songs, albums, TV shows, movies, music videos, ringtones, and audiobooks directly to iPhone. You can also stream and download audio and video podcasts, as well as iTunes U content. See "About the iTunes Store" on page 160.

Transferring Purchased Content to Another Computer

You can transfer content on iPhone that was purchased using iTunes on one computer to an iTunes library on another authorized computer. The computer must be authorized to play content from your iTunes Store account. To authorize the computer, open iTunes on the computer and choose Store > Authorize Computer.

Transfer purchased content: Connect iPhone to the other computer. iTunes asks if you want to transfer purchased content.

Converting Videos for iPhone

You can add videos other than those purchased from the iTunes Store to iPhone, such as videos you create in iMovie on a Mac, or videos you download from the Internet and then add to iTunes.

If you try to add a video from iTunes to iPhone and a message says the video can't play on iPhone, you can convert the video.

Convert a video to work with iPhone: Select the video in your iTunes library and choose Advanced > "Create iPod or iPhone Version." Then add the converted video to iPhone.

Music and Other Audio

The high-resolution Multi-Touch display makes listening to songs on iPhone as much a visual experience as a musical one. You can scroll through your playlists, or use Cover Flow to browse through your album art.

> *WARNING:* For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Playing Songs

Browse your collection: Tap Playlists, Artists, or Songs. Tap More to browse Albums, Audiobooks, Compilations, Composers, Genres, iTunes U, or Podcasts.

Browse Genius Mixes: Tap Genius. If Genius doesn't appear, you need to turn on Genius in iTunes 9 or later, and then sync iPhone with iTunes. See "Using Genius on iPhone" on page 79.

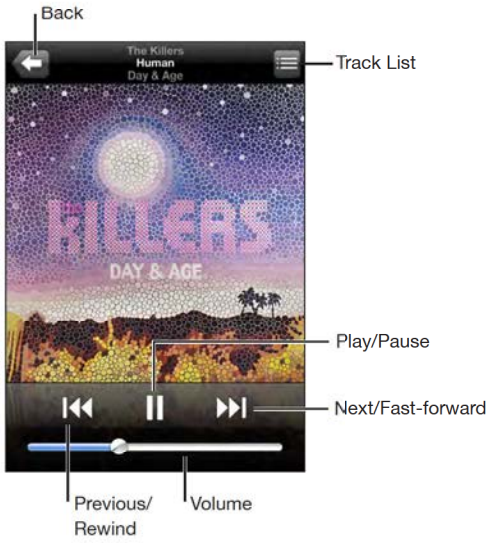
Play a song: Tap the song.

Shake to shuffle: Shake iPhone to turn shuffle on and immediately change songs. Shake anytime to change to another song.

You can turn the "Shake to Shuffle" feature on or off in Settings > iPod (it's on by default). See "Music" on page 158.

Controlling Song Playback

When you play a song, the Now Playing screen appears.



Pause a song	Tap ⏸, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).
Resume playback	Tap ▶, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).
Raise or lower the volume	Drag the volume slider or use the buttons on the side of iPhone. You can also use the volume buttons on the iPhone headset (iPhone 3GS only).
Restart a song or a chapter in an audiobook or podcast	Tap ⏮.
Skip to the next song or chapter in an audiobook or podcast	Tap ⏭, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) twice quickly.
Go to the previous song or chapter in an audiobook or podcast	Tap ⏮ twice, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) three times quickly.
Rewind or fast-forward	Touch and hold ⏮ or ⏭. The longer you hold the control, the faster the song rewinds or fast-forwards. On the iPhone headset, press the center button (or the equivalent button on your Bluetooth headset) twice quickly and hold to fast forward, or three times quickly and hold to rewind.

Return to the iPod browse lists	Tap ◀, or swipe to the right over the album cover.
Return to the Now Playing screen	Tap Now Playing.
Display a song's lyrics	Tap the album cover when playing a song. (Lyrics appear if you've added them to the song using the song's Info window in iTunes.)

You can display playback controls at any time when you're listening to music and using another application—or even when iPhone is locked—by double-clicking the Home ▢ button. See "Home" on page 147.

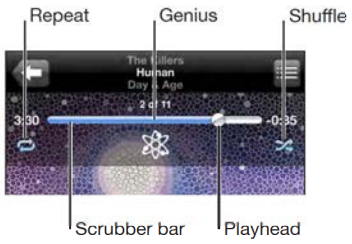
If you're using an application, the playback controls appear on top of the application. After using the controls, you can close them or tap Music to go to the Now Playing screen. If iPhone is locked, the controls appear onscreen, then disappear automatically after you finish using them.

Additional Song Controls

From the Now Playing screen, tap the album cover.

The repeat, Genius, and shuffle controls appear along with the scrubber bar. You can see elapsed time, remaining time, and the song number. The song's lyrics also appear, if you've added them to the song in iTunes.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.



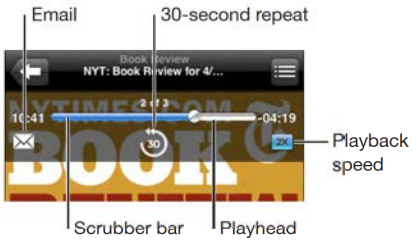
Set iPhone to repeat songs	Tap . Tap again to set iPhone to repeat only the current song. = iPhone is set to repeat all songs in the current album or list. = iPhone is set to repeat the current song over and over. = iPhone isn't set to repeat songs.
Skip to any point in a song	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Make a Genius playlist	Tap , and the Genius playlist appears. See "Using Genius on iPhone" on page 79.
Set iPhone to shuffle songs	Tap . Tap again to set iPhone to play songs in order. = iPhone is set to shuffle songs. = iPhone is set to play songs in order.
Shuffle the tracks in any playlist, album, or other list of songs	Tap Shuffle at the top of the list. For example, to shuffle all the songs on iPhone, choose Songs > Shuffle. Whether or not iPhone is set to shuffle, if you tap Shuffle at the top of a list of songs, iPhone plays the songs from that list in random order.

Podcast and Audiobook Controls

From the Now Playing screen, tap the cover.

The email, 30-second repeat, and playback speed controls appear along with the scrubber bar. You can see elapsed time, remaining time, and the episode or chapter number.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.



Send an email link to this podcast	Tap ✉.
Skip to any point	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Play back the last 30 seconds	Tap 30.
Set the playback speed	Tap 1X. Tap again to change the speed. 2X = Play at double speed. ½X = Play at half speed. 1X = Play at normal speed.

Using Voice Control with iPod

You can use Voice Control (available only on iPhone 3GS) to control music playback on iPhone.

Note: Voice Control isn't available in all languages.

Use Voice Control: Press and hold the Home ▢ button until the Voice Control screen appears and you hear a beep. Then use the commands described below to play songs.

You can also press and hold the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) to bring up Voice Control.

Control music playback	Say "play" or "play music." To pause, say "pause" or "pause music." You can also say "next song" or "previous song."
Play an album, artist, or playlist	Say "play," then say "album," "artist," or "playlist" and the name.
Shuffle the current playlist	Say "shuffle."
Find out more about the currently playing song	Say "what's playing," "what song is this," "who sings this song," or "who is this song by."
Use Genius to play similar songs	Say "Genius," "play more like this," or "play more songs like this."
Cancel Voice Control	Say "cancel" or "stop."

Browsing Album Covers in Cover Flow

When you're browsing music, you can rotate iPhone sideways to see your iTunes content in Cover Flow and browse your music by album artwork.



Browse album covers	Drag or flick left or right.
See the tracks on an album	Tap a cover or ⓘ.



Play any track	Tap the track. Drag up or down to scroll through the tracks.
Return to the cover	Tap the title bar. Or tap ⓘ again.
Play or pause the current song	Tap ▶ or ❚❚. You can also press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).

Viewing All Tracks on an Album

See all the tracks on the album that contains the current song: From the Now Playing screen tap ☰. Tap a track to play it. Tap the album cover thumbnail to return to the Now Playing screen.



In track list view, you can assign ratings to songs. You can use ratings to create smart playlists in iTunes that dynamically update to include, for example, your highest rated songs.

Rate a song: Drag your thumb across the rating bar to give the song zero to five stars.

Searching Music

You can search the titles, artists, albums, and composers of songs, podcasts, and other content you've synced to iPhone.



Search music: Enter text in the search field at the top of a song list, playlist, artist list, or other view of your iPod content. (Tap the status bar to scroll quickly to the top of a list and reveal the search field.)

Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

You can also use Spotlight to search for music. See "Searching" on page 37.

Using Genius on iPhone

Genius finds songs in your iTunes library that go great together. A Genius playlist is a collection of songs that are picked for you to go with a song you choose from your library. A Genius Mix is a selection of songs of the same kind of music. Genius Mixes are recreated each time you listen to them, so they're always new and fresh.

You can create Genius playlists in iTunes and sync them to iPhone. You can also create and save Genius playlists directly on iPhone.

Genius Mixes are created in iTunes. iTunes creates different mixes depending on the variety of music you have in your iTunes library. For example, you may have Genius Mixes that highlight R&B songs, or Alternative Rock songs.

To use Genius on iPhone, first turn on Genius in iTunes, then sync iPhone with iTunes. Genius Mixes are synced automatically, unless you manually manage your music and choose which mixes you want to sync in iTunes. Genius is a free service, but requires an iTunes Store account.

Genius Mixes require iTunes 9 or later. When you sync a Genius Mix, iTunes may select and sync songs from your library that you haven't otherwise chosen to sync.

Browse Genius Mixes: Tap Genius. The number of dots at the bottom of the screen shows the number of mixes you've synced from iTunes, and indicates which mix you're viewing. Flick left or right to access your other mixes.



Play a Genius Mix: Tap the mix or tap ▶.

Make a Genius playlist on iPhone:

1. Tap Playlists and tap Genius.
2. Tap a song in the list. Genius creates a playlist with additional songs that go great with that song.

You can also make a Genius playlist of songs that go great with the song you're playing. From the Now Playing screen, tap the album cover to display additional controls, then tap ⚛.

Save a Genius playlist: In the playlist, tap Save. The playlist is saved in Playlists with the title of the song you picked.

You can make and save as many Genius playlists as you want. If you save a Genius playlist created on iPhone, it syncs back to iTunes the next time you connect.

Refresh a Genius playlist: In the playlist, tap Refresh.

Refreshing a playlist creates a playlist of different songs that go great with the song you picked. You can refresh any Genius playlist, whether it was created in iTunes and synced to iPhone, or created directly on iPhone.

Create a Genius playlist from a new song: In the playlist, tap New, then pick a new song.

Delete a saved Genius playlist: In a playlist that you saved directly on iPhone, tap Edit, then tap Delete Playlist.

Once a Genius playlist is synced back to iTunes, you won't be able to delete it directly from iPhone. You can use iTunes to edit the playlist name, stop syncing, or delete the playlist.

Making On-The-Go Playlists

Make an on-the-go playlist:

1. Tap Playlists and tap On-The-Go.
2. Browse for songs using the buttons at the bottom of the screen. Tap any song or video to add it to the playlist. Tap Add All Songs at the top of any list of songs to add all the songs in the list.
3. When you finish, tap Done.

When you make an on-the-go playlist and then sync iPhone to your computer, the playlist is saved on iPhone and in your iTunes library, then deleted from iPhone. The first is saved as "On-The-Go 1," the second as "On-The-Go 2," and so on. To put a playlist back on iPhone, select iPhone in the iTunes sidebar, click the Music tab, and set the playlist to sync.

Edit an on-the-go playlist: Tap Playlists, tap On-The-Go, tap Edit, then do one of the following:

- *To move a song higher or lower in the list,* drag ☰ next to the song.
- *To delete a song from the playlist,* tap ⊖ next to a song, then tap Delete. Deleting a song from the on-the-go playlist doesn't delete it from iPhone.
- *To clear the entire playlist,* tap Clear Playlist.
- *To add more songs,* tap +.

Videos

With iPhone, you can view video content such as movies, music videos, and video podcasts. If a video contains chapters, you can skip to the next or previous chapter, or bring up a list and start playing at any chapter that you choose. If a video provides alternate language features, you can choose an audio language or display subtitles.

Playing Videos

Play a video: Tap Videos and tap the video.

Display playback controls: Tap the screen to show the controls. Tap again to hide them.

Controlling Video Playback

Videos play in widescreen to take full advantage of the display.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate by sliding your finger down as you drag the playhead along the scrubber bar.



Lovers in Japan by Coldplay is available in the iTunes Store

Pause a video	Tap ⏸, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).
Resume playback	Tap ▶, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).
Raise or lower the volume	Drag the volume slider. You can also use the volume buttons on the iPhone headset (iPhone 3GS only).
Start a video over	Drag the playhead on the scrubber bar all the way to the left, or tap ⏮ if the video doesn't contain chapters.
Skip to the next chapter (if available)	Tap ⏭, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) twice quickly.
Go to the previous chapter (if available)	Tap ⏮, or press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) three times quickly.
Start playing at a specific chapter (if available)	Tap ☰, then choose a chapter from the list.

Rewind or fast-forward	Touch and hold ⏮ or ⏭.
Skip to any point in a video	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Stop watching a video before it finishes playing	Tap Done. Or press the Home ▢ button.
Scale a video to fill the screen or fit to the screen	Tap ⛶ to make the video fill the screen. Tap ⛶ to make it fit the screen. You can also double-tap the video to toggle between fitting and filling the screen. When you scale a video to fill the screen, the sides or top may be cropped from view. When you scale it to fit the screen, you may see black bars on the sides or above and below the video.
Select an alternate audio language (if available)	Tap 💬, then choose a language from the Audio list.
Show or hide subtitles (if available)	Tap 💬, then choose a language, or Off, from the Subtitles list.

Searching Video

You can search the titles of movies, TV shows, and video podcasts you've synced to iPhone.



Search video: Enter text in the search field at the top of the list of videos.

Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Watching Rented Movies

You can rent movies in standard (480p) definition from the iTunes Store and watch them on iPhone. You can download rented movies directly to iPhone, or transfer them from iTunes on your computer to iPhone. You can also transfer rented movies back to iTunes from iPhone. (Rented movies aren't available in all regions.)

The movie must be fully downloaded before you can start watching. You can pause a download and resume it later. Rented movies expire after a certain number of days, and once you start a movie you have a limited amount of time to finish watching it. The time remaining appears near a movie's title. Movies are automatically deleted when they expire. Check the iTunes Store for the expiration time before renting a movie.

Transfer rented movies to iPhone: Connect iPhone to your computer. Then select iPhone in the iTunes sidebar, click Movies, and select the rented movies you want to transfer. Your computer must be connected to the Internet.

View a rented movie: On iPhone, choose iPod > Videos and select a movie.

Watching Videos on a TV

You can connect iPhone to your TV and watch your videos on the large screen. Use the Apple Component AV Cable, Apple Composite AV Cable, or other authorized iPhone compatible cable. You can also use these cables with the Apple Universal Dock to connect iPhone to your TV. (The Apple Universal Dock includes a remote that lets you control playback from a distance.) Apple cables and docks are available for purchase separately in many countries. Go to www.apple.com/ipodstore (not available in all countries).

Deleting Videos from iPhone

You can delete videos from iPhone to save space.

Delete a video: In the videos list, swipe left or right over the video, then tap Delete.

When you delete a video (other than rented movies) from iPhone, it isn't deleted from your iTunes library and you can sync the video back to iPhone later. If you don't want to sync the video back to iPhone, set iTunes to not sync the video. See "What You Need" on page 9.

Important: If you delete a rented movie from iPhone, it's deleted permanently and cannot be transferred back to your computer.

Setting a Sleep Timer

You can set iPhone to stop playing music or videos after a period of time.

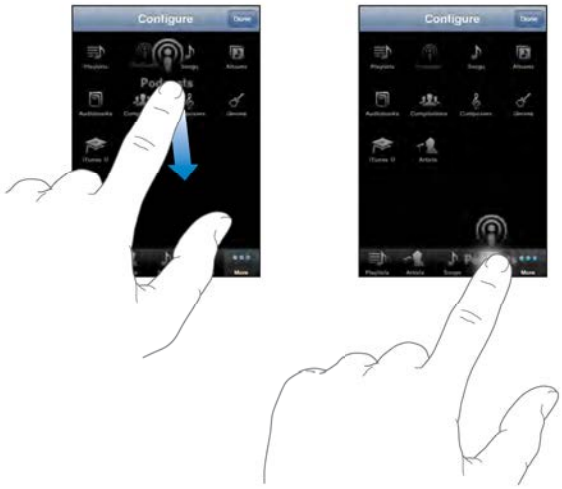
Set a sleep timer: From the Home screen choose Clock > Timer, then flick to set the number of hours and minutes. Tap When Timer Ends and choose Sleep iPod, tap Set, then tap Start to start the timer.

When the timer ends, iPhone stops playing music or video, closes any other open application, and then locks itself.

Changing the Browse Buttons

You can replace the browse buttons at the bottom of the screen with buttons you use more frequently. For example, if you often listen to podcasts, you can replace the Songs button with Podcasts.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. Tap Done when you finish. Tap More at any time to access the buttons you replaced.

Messages 7

Sending and Receiving Messages

WARNING: For important information about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Messages lets you exchange text messages with anyone using an SMS-capable phone. Messages also supports MMS, so you can send photos, video clips (iPhone 3GS only), contact information, and voice memos to other MMS-capable devices. You can enter multiple addresses and send a message to several people at the same time.

Note: MMS is available only on iPhone 3G or later. SMS or MMS support may not be available in all regions. Additional fees may apply for use of Messages. Contact your carrier for complete information.

You can use Messages whenever you're in range of the cellular network. If you can make a call, you can send a message. Depending on your phone plan, you may be charged for the messages you send or receive.

Send a message: Tap, then enter a phone number or name, or tap and choose a contact from your contacts list. Tap the text field above the keyboard, type a message, and tap Send.

The Messages icon on the Home screen shows the total number of unread messages you have.



86

Your conversations are saved in the Messages list. Conversations that contain unread messages have a blue dot next to them. Tap a conversation in the list to see that conversation or add to it.



iPhone displays the 50 most recent messages in the conversation. To see earlier messages, scroll to the top and tap Load Earlier Messages.

Send a message to more than one person: Tap, then add recipients. If you enter a phone number manually (instead of selecting it from Contacts), tap Return before entering another entry.

Replies from any of the recipients are sent only to you, not to the other people you texted.

Reply or send a message to a person (or group) you've texted before: Tap an entry in the Messages list, then type a new message in the conversation and tap Send.

Send a message to a favorite or to a recent call:

1. From the Home screen tap Phone, then tap Favorites or Recents.
2. Tap next to a name or number, then tap Text Message.
3. If multiple phone numbers appear, tap the one you want to text.

When MMS is available, Messages allows you to include a subject in your text messages. You can turn this feature on or off in Messages settings. It is turned on by default.

Include or remove the subject field: In Settings, tap Messages, then tap Show Subject Field to turn it on or off.

Note: The subject field and the Show Subject Field setting don't appear if MMS isn't supported by your carrier.

Turn MMS messaging on or off: In Settings, tap Messages, then tap MMS Messaging to turn it on or off. You may want to turn MMS Messaging off, for example, to prevent sending or receiving attachments when fees apply.

Note: The MMS Messaging setting doesn't appear if MMS isn't supported by your carrier.

Sharing Photos and Videos

You can take a photo or make a video (iPhone 3GS only) from within Messages and include it in your conversation with another MMS-capable device. You can save photos or videos you receive in Messages to your Camera Roll album.

If MMS isn't supported by your carrier, the button doesn't appear and you can't send photos or videos.

Send a photo or video: Tap and tap "Take Photo or Video" (iPhone 3GS only; on earlier models, tap "Take Photo") or "Choose Existing" and select an item from a photo album and tap Choose.

The limit to the size of attachments is determined by your carrier. If necessary, iPhone may compress the photo or video. To learn about taking photos and videos, see Chapter 10, "Camera," on page 103.

Save a photo or video attachment to your Camera Roll album: Tap the photo or video in the conversation, tap , then tap Save Image or Save Video.

Copy a photo or video: Touch and hold the attachment, then tap Copy. You can paste the photo or video to an Mail message or another MMS message.

Sending Voice Memos

You can send voice memos in a message to another MMS-capable device.

Send a voice memo: In Voice Memos, tap , tap the voice memo you want to send, then tap Share and tap MMS. Address the message and tap Send.

Editing Conversations

If you want to keep a conversation but not the entire thread, you can delete the parts you don't want. You can also delete entire conversations from the Messages list.

Edit a conversation: Tap Edit. Tap the circles along the left side to select the parts of the conversation you want to delete, then tap Delete. When you're finished, tap Done.

Clear all text and files, without deleting the conversation: Tap Edit, then tap Clear All. Tap Clear Conversation to confirm.

Forward a conversation: Select a conversation, then tap Edit. Tap the circles on the left side of the screen to select the parts of the conversation you want to include, then tap Forward, enter one or more recipients, and tap Send.

Delete a conversation: Tap Edit, then tap next to the conversation and tap Delete. You can also swipe left or right over the conversation and tap Delete.



Using Contact Information and Links

Call or email someone you've texted: Tap a message in the Text Messages list and scroll to the top of the conversation. (Tap the status bar to scroll quickly to the top of the screen.)

- *To call the person,* tap Call.
- *To email the person,* tap Contact Info, then tap an email address.

Follow a link in a message: Tap the link.

A link may open a webpage in Safari, initiate a phone call in Phone, open a preaddressed message in Mail, or display a location in Maps. To return to your text messages, press the Home button and tap Messages.

Add someone you've texted to your contacts list: Tap a phone number in the Messages list, then tap "Add to Contacts."

Send contact information: In Contacts, tap the person whose information you want to share. Tap Share Contact at the bottom of the screen, then tap MMS. Address the message and tap Send.

Save contact information received: Tap the contact bubble in the conversation and tap Create New Contact or "Add to Existing Contact."

Managing Previews and Alerts

By default, iPhone displays a preview of new messages when iPhone is locked or you are using another application. You can turn this preview on or off in Settings. You can also enable alerts for text messages.

Turn previews on or off: In Settings, choose Messages and tap Show Preview.

Repeat previews: In Settings, choose Messages and tap Repeat Alert. If you don't respond to the first preview of a new message, the preview will be displayed twice more.

Set whether an alert sounds when you get a text message or preview: In Settings, choose Sounds, then tap New Text Message. Tap the alert sound you want, or None if you don't want an audible alert.

Important: If the Ring/Silent switch is off, text alerts won't sound.

Calendar

8



About Calendar

Calendar lets you view individual calendars for your different accounts or a combined calendar for all accounts. You can view your events in a continuous list, by day, or by month, and search events by title, invitee, or location.

You can sync iPhone with the calendars on your computer. You can also make, edit, or cancel appointments on iPhone, and have them synced back to your computer. You can subscribe to Google, Yahoo!, or Mac OS X iCal calendars using a CalDAV or iCalendar (.ics) account. If you have a Microsoft Exchange account, you can receive and respond to meeting invitations.

Syncing Calendars

You can sync Calendar in either of the following ways:

- In iTunes, use the iPhone preference panes to sync with iCal or Microsoft Entourage on a Mac, or Microsoft Outlook 2003 or 2007 on a PC when you connect iPhone to your computer. See "Syncing" on page 11.
- In Settings on iPhone, select Calendar in your MobileMe or Microsoft Exchange accounts to sync your calendar information over the air. See "Setting Up Accounts" on page 16.

Viewing Your Calendar

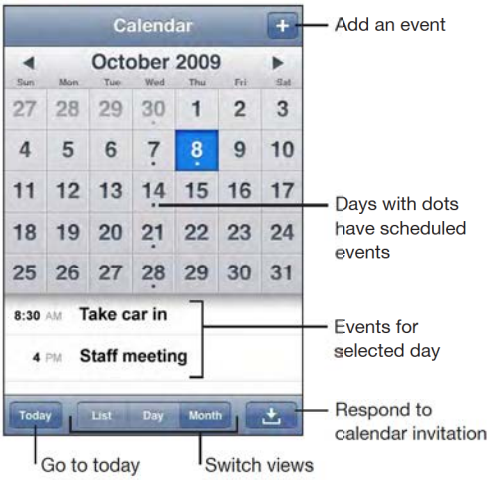
You can view individual calendars for your different accounts or a combined calendar for all accounts.

View a different calendar: Tap Calendars, then select a calendar. Tap All Calendars to view combined events from all calendars.

You can view your calendar events in a list, by day, or by month. The events for all of your synced calendars appear in the same calendar on iPhone.

Switch views: Tap List, Day, or Month.

- *List view:* All your appointments and events appear in a scrollable list.
- *Day view:* Scroll up or down to see the events in a day. Tap ◀ or ▶ to see the previous or next day's events.
- *Month view:* Tap a day to see its events. Tap ◀ or ▶ to see the previous or next month.



See the details of an event: Tap the event.

Set iPhone to adjust event times for a selected time zone:

1. In Settings, choose "Mail, Contacts, Calendars."
2. Under Calendars, tap Time Zone Support, then turn Time Zone Support on.
3. Tap Time Zone and search for a major city in the time zone you want.

When Time Zone Support is on, Calendar displays event dates and times in the time zone of the city you selected. When Time Zone Support is off, Calendar displays events in the time zone of your current location as determined by the network time.

Searching Calendars

You can search the titles, invitees, and locations of the events in your calendars. Calendar searches the calendar you're currently viewing, or all calendars if you're viewing them all.



Search events: In list view, enter text in the search field.

Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more results.

Subscribing to and Sharing Calendars

You can subscribe to calendars that use the CalDAV or iCalendar (.ics) formats. Many calendar-based services, including Yahoo!, Google, and the Mac OS X iCal application, support either format.

Subscribed calendars are read only. You can read events from subscribed calendars on iPhone, but can't edit them or create new events. You also can't accept invitations from CalDAV accounts.

Subscribe to a CalDAV or .ics calendar:

1. In Settings, choose "Mail, Contacts, Calendars," then tap Add Account.
2. Choose Other, then choose either Add CalDAV Account or Add Subscribed Calendar.
3. Enter your account information, then tap Next to verify the account.
4. Tap Save.

Apple provides links to a number of free iCal calendars—for national holidays or sports events, for example—that you may want to subscribe to. The calendars are automatically added to iCal on your desktop when you download them. You can then sync them to iPhone as described in "Subscribing to and Sharing Calendars" on page 93. Go to /www.apple.com/downloads/macosx/calendars.

You can also subscribe to an iCal (or other .ics) calendar published on the web by tapping a link to the calendar you receive in an email or text message on iPhone.

Adding Calendar Events to iPhone

You can also enter and edit calendar events directly on iPhone.

Add an event: Tap + and enter event information, then tap Done.

You can enter any of the following:

- Title
- Location
- Starting and ending times (or turn on All-day if it's an all-day event)
- Repeat times—none, or every day, week, two weeks, month, or year
- Alert time—from five minutes to two days before the event

  When you set an alert, the option to set a second alert appears. When an alert goes off, iPhone displays a message. You can also set iPhone to play a sound (see "Alerts" on page 96).

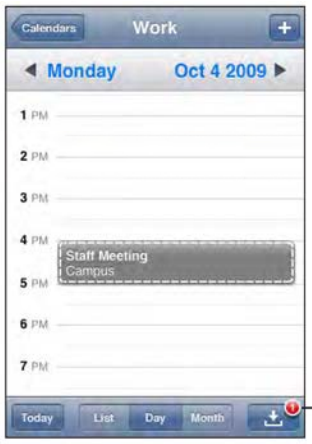
  Important: Some carriers don't support network time in all locations. If you're traveling, iPhone may not alert you at the correct local time. To manually set the correct time, see "Date and Time" on page 147.
- Notes

To select which calendar to add the event to, tap Calendar. Read-only calendars don't appear in the list.

Edit an event	Tap the event, then tap Edit.
Delete an event	Tap the event, tap Edit, then scroll down and tap Delete Event.

Responding to Meeting Invitations

If you have a Microsoft Exchange account set up on iPhone with Calendars enabled, you can receive and respond to meeting invitations from people in your organization. When you receive an invitation, the meeting appears in your calendar with a dotted line around it. The icon in the lower-right corner of the screen indicates the total number of new invitations you have, as does the Calendar icon on the Home screen.



Respond to an invitation in Calendar:

1 Tap a meeting invitation in the calendar, or tap to display the Event screen and tap an invitation.



- Tap "Invitation from" to get contact information for the meeting organizer. Tap the email address to send a message to the organizer. If the organizer is in your contacts, you can also tap to call or send a text message.

- Tap Attendees to see the other people invited to the meeting. Tap a name to see an attendee's contact information. Tap the email address to send a message to the attendee. If the attendee is in your contacts, you can also tap to call or send a text message.
- Tap Alert to set iPhone to sound an alert before the meeting.
- Tap Add Comments to add comments in the email response to the meeting organizer. You comments will also appear in your Info screen for the meeting.

Notes are made by the meeting organizer.

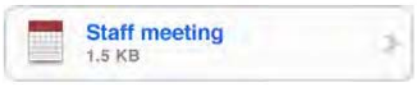
2 Tap Accept, Maybe, or Decline.

When you accept, tentatively accept, or decline the invitation, a response email that includes any comments you added is sent to the organizer.

If you accept or tentatively accept the meeting, you can change your response later. Tap Add Comments if you want to change your comments.

Exchange meeting invitations are also sent in an email message, which lets you open the meeting's Info screen from Mail.

Open a meeting invitation in an email message: Tap the invitation.



Alerts

Set calendar alerts: In Settings, choose Sounds, then turn Calendar Alerts on. If Calendar Alerts is off when an event is about to occur, iPhone displays a message but makes no sound.

Important: If the Ring/Silent switch is off, calendar alerts won't sound.

Sound alerts for invitations: In Settings, choose "Mail, Contacts, Calendar." Under Calendars, tap New Invitation Alert to turn it on.

Photos

9



About Photos

iPhone lets you carry photos and videos with you, so you can share them with your family, friends, and associates. You can sync photos and videos (Mac only) from your computer, view photos and videos (iPhone 3GS only) taken with the built-in camera, use photos as wallpaper, and assign photos to identify contacts when they call. You can also send photos and videos in email messages, send photos and videos (iPhone 3GS only) in MMS messages, and upload photos and videos to MobileMe galleries.

Note: MMS is available only on iPhone 3G or later and if supported by your carrier.

Syncing Photos and Videos with Your Computer

iTunes can sync your photos and videos (Mac only) with the following applications:

- *Mac:* iPhoto 4.0.3 or later, or Aperture
- *PC:* Adobe Photoshop Elements 3.0 or later

See "Syncing with iTunes" on page 12.

iPhone supports H.264 and MPEG-4 video formats, with AAC audio. If you are having trouble syncing a video to iPhone, you might be able to use iTunes to create an iPhone version of the video.

Create an iPhone version of a video:

1. Copy the video to your iTunes library.
2. In iTunes, select Movies in the Library list and select the video you want to sync.
3. Choose Advanced > "Create iPod or iPhone Version."

For additional information, go to support.apple.com/kb/HT1211.

Viewing Photos and Videos

Photos and videos (Mac only) synced from your computer's photo application can be viewed in Photos. You can also view the photos and videos (iPhone 3GS only) you've taken with iPhone's built-in camera or saved from an email or MMS message (iPhone 3GS only).

View photos and videos:

1 In Photos, tap a photo album.

2 Tap a thumbnail to see the photo or video in full screen.

Show or hide the controls: Tap the full-screen photo or video to show the controls. Tap again to hide the controls.



Play a video: Tap ▶ in the center of the screen.

To replay a video, tap ▶ at the bottom of the screen. If you don't see ▶, tap the screen to show the controls.

View a photo or video in landscape orientation: Rotate iPhone sideways. The photo or video reorients automatically and, if it's in landscape format, expands to fit the screen.



Zoom in on part of a photo: Double-tap where you want to zoom in. Double-tap again to zoom out. You can also pinch to zoom in or out.



View video in full screen, or fit video to screen: Double tap the screen to scale the video to fill the screen. Double-tap again to fit the video to the screen.

Pan around a photo: Drag the photo.

See the next or previous photo or video: Flick left or right. Or tap the screen to show the controls, then tap ➡ or ⬅.



Slideshows

You can view photo albums as slideshows, complete with background music.

View a photo album as a slideshow: Tap an album, then tap ▶.

Videos play automatically when they appear during the slideshow.

Stop a slideshow: Tap the screen.

Set slideshow settings: In Settings, choose Photos and set the following options:

- *To set the length of time each slide is shown,* tap Play Each Slide For and choose a time.
- *To set transition effects when moving from photo to photo,* tap Transition and choose a transition type.
- *To set whether slideshows repeat,* turn Repeat on or off.
- *To set whether photos and videos are shown in random order,* turn Shuffle on or off.

Play music during a slideshow: In iPod, play a song, then choose Photos from the Home screen and start a slideshow.

Sharing Photos and Videos

You can send photos and videos in email and MMS messages, add photos and videos to MobileMe galleries, and publish videos to YouTube. You can also copy and paste photos and videos, save photos and videos from email messages to Photos, and save images from webpages to Photos.

Note: MMS is available only on iPhone 3G or later and if supported by your carrier. MMS video attachments are supported only on iPhone 3GS.

Sending a Photo or Video in an Email or MMS Message

Send a photo or video: Choose a photo or video and tap , then tap Email Photo/Video or MMS.

If you don't see , tap the screen to show the controls.

The limit to the size of attachments is determined by your carrier. If necessary, iPhone may compress the photo or video. To learn about taking photos and videos, see Chapter 10, "Camera," on page 103.

Copying and Pasting Photos and Videos

You can copy a photo or video from Photos and paste it to an email or MMS message. Some third-party applications may also support copying and pasting photos and videos.

Copy a photo or video: Hold your finger on the screen until the Copy button appears, then tap Copy.

Paste a photo or video: Tap to place an insertion point where you want to place the photo or video, then tap the insertion point and tap Paste.

Adding a Photo or Video to a MobileMe Gallery

If you have a MobileMe account, you can add photos and videos (iPhone 3GS only) directly from iPhone to a gallery you've created. You can also add photos and videos to someone else's MobileMe gallery if that person has enabled email contributions.

Before you can add photos or videos to a gallery in your MobileMe account, you must:

- Set up your MobileMe account on iPhone
- Publish a MobileMe gallery, and allow adding photos via email or iPhone

For more information about creating a gallery and adding photos and videos to it, see MobileMe Help.

Add a photo or video to your gallery: Choose a photo or video and tap , then tap "Send to MobileMe." Enter a title and description, if you like, then select the album to add the photo or video to and tap Publish.

If you don't see , tap the screen to show the controls.

iPhone tells you when the photo or video has been published, and gives you options to view it on MobileMe or email a link to a friend.

Adding a photo or video to someone else's gallery: Choose a photo or video and tap , then tap "Email Photo/Video." Enter the album's email address, then click Send.

Publishing Videos to YouTube

If you have a YouTube account, you can publish videos directly from iPhone to YouTube (iPhone 3GS only). You can't publish videos longer than than ten minutes.

Publish a video to You Tube:

1. While viewing a video, tap , then tap "Send to YouTube."
2. Sign in to your YouTube account.
3. Enter publishing information such as Title, Description, and Tags.
4. Tap Category to choose a category.
5. Tap Publish.

Saving Photos and Videos from Email Messages, MMS Messages, and Webpages

Save a photo in an email message to your Camera Roll album: Tap the photo, then tap Save Image. If the photo hasn't been downloaded yet, tap the download notice first.

Save a video in an email message to your Camera Roll album: Touch and hold the attachment, then tap Save Video. If the video hasn't been downloaded yet, tap the download notice first.

Save a photo on a webpage to your Camera Roll album: Touch and hold the photo, then tap Save Image.

Save a photo or video in an MMS message to your Camera Roll album: Tap the image in the conversation, tap , and tap Save Image or Save Video.

If you don't see , tap the screen to show the controls.

You can download the photos and videos in your Camera Roll album to your computer's photo application by connecting iPhone to your computer.

Assigning a Photo to a Contact

You can assign a photo to a contact. When that person calls, iPhone displays the photo.

Assign a photo to a contact:

1. Choose Camera from the Home screen and take someone's picture. Or choose any photo already on iPhone and tap .
2. Tap "Assign to Contact" and choose a contact.
3. Position and size the photo until it looks the way you want.

   Drag the photo to pan, and pinch to zoom in or out.
4. Tap Set Photo.

You can also assign a photo to a contact in Contacts by tapping Edit and then tapping the picture icon.

Wallpaper

You see a wallpaper background picture as you unlock iPhone or when you're on a call with someone you don't have a high-resolution photo for.

Set a photo as wallpaper:

1. Choose any photo and tap , then tap Use As Wallpaper.
2. Drag the photo to pan, or pinch the photo to zoom in or out, until it looks the way you want.
3. Tap Set Wallpaper.

You can also choose from several wallpaper pictures included with iPhone by choosing Settings > Wallpaper > Wallpaper from the Home screen.

Camera

10



About Camera

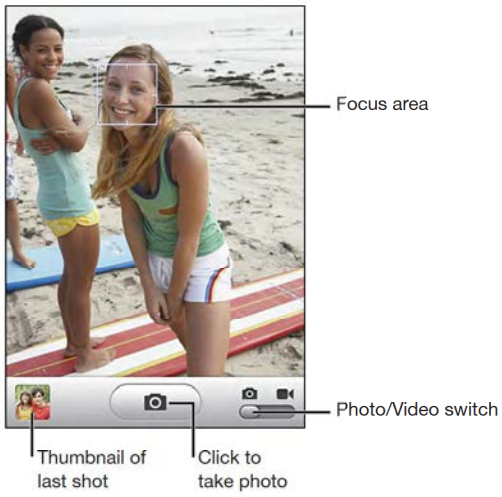
With the built-in camera, it's easy to take photos and record videos with iPhone. The lens is on the back of iPhone, so you can use the screen to see the photo or video you're taking. "Tap to focus" (iPhone 3GS only) lets you focus on a specific area of your shot and automatically adjust the exposure. You can quickly review—and keep or delete—photos and videos you've taken.

Note: Video features are available only on iPhone 3GS.

Camera photos are tagged with location data, including your current geographical coordinates provided by the built-in compass (iPhone 3GS only), if Location Services is turned on. You can use location data with some applications and photo-sharing websites to track and post where you took your pictures. If Location Services is turned off, you'll be prompted to turn it on. If you don't want to include location data with your photos and videos, you can still use Camera without having Location Services turned on. See "Location Services" on page 144.

Taking Photos and Recording Videos

Taking photos and recording videos with iPhone is as easy as point and tap.



Take a photo: Aim iPhone and tap .

Make sure the Camera/Video switch is set to .

When you take a photo or start a video recording, iPhone makes a shutter sound. The sound isn't played if you've set the Ring/Silent switch to silent. See "Sounds and the Ring/Silent Switch" on page 141.

Note: In some regions, the sound effects for Camera are played even if the Ring/Silent switch is set to silent.

Record a video: Slide the Camera/Video switch to . Tap to start recording. The record button blinks while Camera is recording. Tap again to stop recording. You can also press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) to start and stop recording.

If you take a picture or record a video with iPhone rotated sideways, the picture is saved in landscape orientation.

A rectangle on the screen shows the area where Camera is focusing the shot.

Change the focus area and set exposure: Tap where you want to focus. Camera automatically adjusts the exposure for the selected area of the image.

Review a photo or video you've just taken: Tap the thumbnail of your last shot, in the lower-left corner of the screen.

Delete a photo or video: Tap . If you don't see , tap the screen to display the controls.

Take a screenshot of the iPhone display: Quickly press and release the Sleep/Wake and Home buttons at the same time. A flash of the screen lets you know the screenshot was taken. The screenshot is added to the Camera Roll album.

Viewing and Sharing Photos and Videos

The photos and videos you take with Camera are saved in the Camera Roll album on iPhone. You can view the Camera Roll album from either Camera or Photos.

View photos and videos in the Camera Roll album: In Camera, tap the thumbnail image in the lower-left corner of the screen. In Photos, tap the Camera Roll album. Tap the left or right button, or flick left or right to flip through the photos and videos.

When viewing a photo or video in the Camera Roll album, tap the screen to display the controls.

For more information about viewing and sharing photos and videos, see:

- "Viewing Photos and Videos" on page 98
- "Sharing Photos and Videos" on page 100

Trimming Videos

You can trim the frames from the beginning and end of videos that you record. You can trim the original video or save the trim as a new clip.



Trim a video:

1. While viewing a video, tap the screen to display the controls.
2. Drag either end of the frame viewer at the top of the video, then tap Trim.
3. Tap Trim Original or tap Save as New Clip.

Important: Trimming the original video permanently deletes the frames you edit from the video.

New clips are saved in the Camera Roll album along with the original video.

Uploading Photos and Videos to Your Computer

You can upload the photos and videos you take with Camera to photo applications on your computer, such as iPhoto on a Mac.

Upload images to your computer: Connect iPhone to your computer.

- *Mac:* Select the photos you want and click the Import or Download button in iPhoto or other supported photo application on your computer.
- *PC:* Follow the instructions that came with your camera or photo application.

If you delete the photos and videos from iPhone when you upload them to your computer, they're removed from the Camera Roll album. You can use the iTunes Photos setup pane to sync photos and videos (Mac only, iTunes 9 or later required) back to the Photos application on iPhone. See "iPhone Settings Panes in iTunes" on page 13.

YouTube

11



Finding and Viewing Videos

YouTube features short videos submitted by people from around the world. To use some features on iPhone, you need to sign in to a YouTube account when prompted. For information about requirements and how to get a YouTube account, go to www.youtube.com.

Note: YouTube isn't available in all languages and locations.

Browse videos: Tap Featured, Most Viewed, or Favorites. Or tap More to browse by Most Recent, Top Rated, History, Subscriptions, or Playlists.

- *Featured:* Videos reviewed and featured by YouTube staff.
- *Most Viewed:* Videos most seen by YouTube viewers. Tap All for all-time most viewed videos, or Today or This Week for most-viewed videos of the day or week.
- *Favorites:* Videos you've added to Favorites. When you sign in to a YouTube account, account favorites appear and any existing favorites can be synced to your account.
- *Most Recent:* Videos most recently submitted to YouTube.
- *Top Rated:* Videos most highly rated by YouTube viewers. To rate videos, go to www.youtube.com.
- *History:* Videos you've viewed most recently.
- *Subscriptions:* Videos from YouTube accounts to which you've subscribed. You must be signed in to a YouTube account to use this feature.
- *Playlists:* Videos you've added to playlists. You must be signed in to a YouTube account to use this feature.

Search for a video:

1. Tap Search, then tap the YouTube search field.
2. Type a word or phrase that describes what you're looking for, then tap Search.

107

YouTube shows results based on video titles, descriptions, tags, and user names. Listed videos show title, rating, number of views, length, and the account name that posted the video.

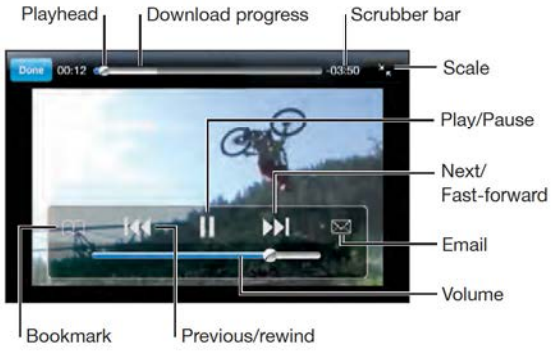
Play a video: Tap the video.

The video begins to download to iPhone and a progress bar appears. When enough of the video has downloaded, it begins to play. You can also tap ▶ to start the video.

Controlling Video Playback

When a video starts playing, the controls disappear so they don't obscure the video.

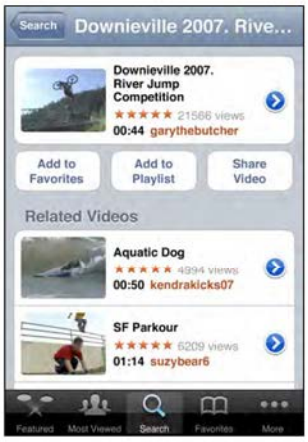
Show or hide the video controls: Tap the screen.



Play or pause a video	Tap ▶ or ⏸. You can also press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).
Adjust the volume	Drag the volume slider, or use the volume buttons on the side of iPhone. You can also use the volume buttons on the iPhone headset (iPhone 3GS only).
Start a video over	Tap ⏮.
Skip to the next or previous video in a list	Tap ⏮ twice to skip to the previous video. Tap ⏭ to skip to the next video.
Rewind or fast-forward	Touch and hold ⏮ or ⏭.
Skip to any point in a video	Drag the playhead along the scrubber bar.
Stop watching a video before it finishes playing	Tap Done, or press the Home ▢ button.
Toggle between scaling a video to fill the screen or fit to the screen	Double-tap the video. You can also tap ⛶ to make the video fill the screen, or tap ⛶ to make it fit the screen.
Add a video to Favorites using video controls	Start playing a video and tap 🕮.
Email a link to the video using video controls	Start playing a video and tap ✉.

Managing Videos

Tap next to a video to see related videos and more controls for managing videos.



Add the video to Favorites	Tap "Add to Favorites."
Add the video to a playlist	Tap "Add to Playlist," then select an existing playlist or tap + to create a new playlist.
Email a link to the video	Tap Share Video.
Browse and view related videos	Tap a video in the list of related videos to view, or tap next to a video for more information.

Getting More Information

Tap next to the video to show the video's comments, description, date added, and other information.



Rate the video or add a comment	On the More Info screen, tap "Rate, Comment, or Flag," then choose "Rate or Comment." You must be signed in to a YouTube account to use this feature.
See more videos from this account	On the More Info screen, tap More Videos.
Subscribe to this YouTube account	On the More Info screen, tap More Videos, then tap "Subscribe to *<account>*" at the bottom of the video list. You must be signed in to a YouTube account to use this feature.

Using YouTube Account Features

If you have a YouTube account, you can access account features such as subscriptions, comments and ratings, and playlists. To create a YouTube account, go to www.youtube.com.

Show favorites you've added to your account: In Favorites, tap Sign In, then enter your username and password to see your account favorites. Any existing favorites you've added to iPhone can be merged with your account favorites when you sign in.

Delete a favorite: In Favorites, tap Edit, tap ⊖ next to a video, then tap Delete.

Show subscriptions you've added to your account: In Subscriptions, tap Sign In, then enter your username and password to see your account subscriptions. Tap an account in the list to see all videos for that account.

Unsubscribe from a YouTube account: In Subscriptions, tap an account in the list, then tap Unsubscribe.

View playlists: In Playlists, tap a playlist to see the list of videos you've added. Tap any video in the playlist to begin playing videos from that point in the playlist.

Edit a playlist: In Playlists, tap Edit, then do one of the following:

- *To delete the entire playlist,* tap ⊖ next to a playlist, then tap Delete.
- *To create a new playlist,* tap +, then enter a name for the playlist.

Add a video to a playlist: Tap ⊕ next to a video, then tap "Add to Playlist" and choose a playlist.

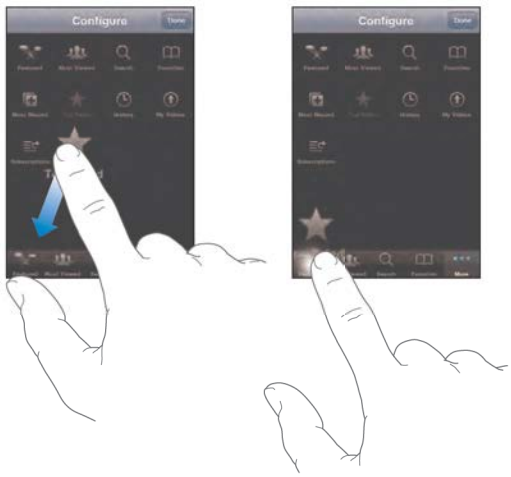
Delete a video from a playlist:

1. In Playlists, tap a playlist, then tap Edit.
2. Tap ⊖ next to a playlist, then tap Delete.

Changing the Browse Buttons

You can replace the Featured, Most Viewed, Bookmarks, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you watch top rated videos often but don't watch many featured videos, you could replace the Featured button with Top Rated.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

When you're browsing for videos, tap More to access the browse buttons that aren't visible.

Sending Videos to YouTube

If you have a YouTube account, you can send videos directly from iPhone 3GS to YouTube. See "Publishing Videos to YouTube" on page 101.

Stocks

12



Viewing Stock Quotes

Stocks lets you see the latest available quotes for your selected stocks, funds, and indexes.

Quotes are updated every time you open Stocks when connected to the Internet. Quotes may be delayed by up to 20 minutes or more depending upon the reporting service.

Add a stock, fund, or index to the stock reader:

1. Tap ⓘ, then tap +.
2. Enter a symbol, company name, fund name, or index, then tap Search.
3. Select an item from the search results and tap Done.

View charts in landscape orientation: Rotate iPhone sideways. Flick left or right to view the other charts in your stock reader.

Show the progress of a stock, fund, or index over time: Tap the stock, fund, or index in your list, then tap 1d, 1w, 1m, 3m, 6m, 1y, or 2y. The chart adjusts to show progress over one day, one week, one month, three months, six months, one year, or two years.

When you're viewing a chart in landscape orientation, you can touch the chart to display the value for a specific point in time.



112

Use two fingers to see the change in value over a specific period of time.



Delete a stock: Tap ⓘ and tap ⊖ next to a stock, then tap Delete.

Change the order of the list: Tap ⓘ. Then drag ☰ next to a stock or index to a new place in the list.

Switch the display to percentage change, price change, or market capitalization: Tap any of the values along the right side of the screen. Tap again to switch to another view. Or tap ⓘ and tap %, Price, or Mkt Cap, then tap Done.

Getting More Information

See the summary, chart, or news page about a stock, fund, or index: Select the stock, fund, or index in your list, then flick the pages underneath the stock reader to view the summary, chart, or recent news page.

On the news page, you can scroll up and down to read headlines, or tap a headline to view the article in Safari.

See more information at Yahoo.com: Select the stock, fund, or index in your list, then tap Y!.

Maps

13



Finding and Viewing Locations

WARNING: For important information about driving and navigating safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Maps provides street maps, satellite photos, a hybrid view, and street views of locations in many of the world's countries. You can get detailed driving, public transit, or walking directions and traffic information. Find and track your current (approximate) location, and use your current location to get driving directions to or from another place. The built-in digital compass lets you see which way you're facing. (iPhone 3GS only).

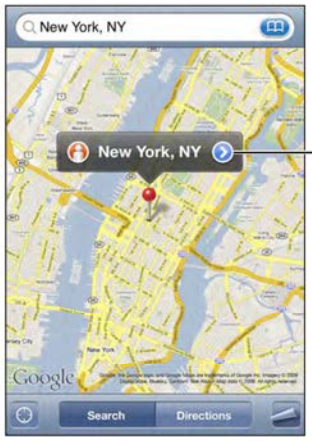
Important: Maps, digital compass (iPhone 3GS only), directions, and location-based applications provided by Apple depend on data collected and services provided by third parties. These data services are subject to change and may not be available in all geographic areas, resulting in maps, compass headings, directions, or location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided on iPhone to your surroundings and defer to posted signs to resolve any discrepancies. In order to provide your location, data is collected in a form that doesn't personally identify you. If you don't want such data collected, don't use the feature. Not using this feature won't impact the non–location-based functionality of your iPhone.

Find a location and see a map:

1. Tap the search field to bring up the keyboard.
2. Type an address, intersection, area, landmark, bookmark, contact, or zip code.
3. Tap Search.

114

A pin marks the location. Tap the pin to see the name or description of the location.



Tap to get information about the location, get directions, add the location to your bookmarks or contacts list, or email a link to Google Maps.

Locations can include places of interest added by Google My Maps users ("User-created content"), and sponsored links that appear as special icons (for example,).

Zoom in to a part of a map	Pinch the map with two fingers. Or double-tap the part you want to zoom in on. Double-tap again to zoom in even closer.
Zoom out	Pinch the map. Or tap the map with two fingers. Tap with two fingers again to zoom out further.
Pan or scroll to another part of the map	Drag up, down, left, or right.

Find your current location and turn tracking mode on: Tap .



Your current (approximate) location is indicated by a blue marker. If your location can't be determined precisely, a blue circle also appears around the marker. The size of the circle depends on how precisely your location can be determined—the smaller the circle, the greater the precision.

As you move around, iPhone updates your location, adjusting the map so that the location indicator remains in the center of the screen. If you tap again or drag the map, iPhone continues to update your location but stops centering it, so the location information may move off the screen.

iPhone uses Location Services to determine your location. Location Services uses available information from cellular network data, local Wi-Fi networks (if you have Wi-Fi turned on), and GPS (iPhone 3G or later; GPS not available in all locations). This feature isn't available in all areas.

If Location Services is turned off, you'll be prompted to turn it on. You can't find and track your current location if Location Services is turned off. See "Location Services" on page 144.

To conserve battery life, turn Location Services off when you're not using it. In Settings, choose General > Location Services.

Get information about your current location: Tap the blue marker, then tap . iPhone displays the address of your current location, if available. You can use this information to:

- Get directions
- Add the location to contacts
- Send the address via email or MMS (iPhone 3G or later)
- Bookmark the location

Show which way you're facing (iPhone 3GS only): Tap again. (The icon changes to .) Maps uses the built-in compass to determine which way you're facing. The angle shows the accuracy of the compass reading—the smaller the angle, the greater the accuracy.



Maps uses true north to determine your heading, even if you have magnetic north set in Compass. If the compass needs calibrating, iPhone asks you to wave the phone in a figure eight. If there's interference, you may be asked to move from the source of interference. See Chapter 22, "Compass," on page 173.

Use the dropped pin: Tap , then tap Drop Pin.

A pin drops down on the map, which you can then drag to any location you choose.



Replace the pin: Tap , then tap Replace Pin. iPhone drops the pin in the area you're currently viewing.

See a satellite or hybrid view: Tap , then tap Satellite or Hybrid to see just a satellite view or a combined street map and satellite view.



To return to map view, tap Map.

See the Google Street View of a location: Tap . Flick left or right to pan through the 360° panoramic view. (The inset shows your current view.) Tap an arrow to move down the street.



To return to map view, tap the map inset in the lower-right corner. Street View isn't available in all areas.

See the location of someone's address in your contacts list	Tap in the search field, then tap Contacts and choose a contact. To locate an address in this way, the contact must include at least one address. If the contact has more than one address, choose the one you want to locate. You can also find the location of an address by tapping the address directly in Contacts.
Add a location to your contacts list	Find a location, tap the pin that points to it, tap next to the name or description, tap "Add to Contacts," then tap "Create New Contact" or "Add to Existing Contact."
Email a link to a Google Maps location	Find a location, tap the pin that points to it, tap next to the name or description, then tap Share Location and tap Email.
Send a link via MMS to a Google Maps location	Find a location, tap the pin that points to it, tap next to the name or description, then tap Share Location and tap MMS (iPhone 3G or later).

Bookmarking Locations

You can bookmark locations that you want to find again later.

Bookmark a location: Find a location, tap the pin that points to it, tap next to the name or description, then tap "Add to Bookmarks" at the bottom of the Info screen.

See a bookmarked location or recently viewed location: Tap in the search field, then tap Bookmarks or Recents.

Getting Directions

You can get step-by-step directions for driving, taking public transit, or walking to a destination.

Get directions:

1. Tap Directions.
2. Enter starting and ending locations in the Start and End fields. By default, iPhone starts with your current approximate location (if available). Tap in either field to choose a location in Bookmarks (including your current approximate location and the dropped pin, if available), Recents, or Contacts.

   For example, if a friend's address is in your contacts list, you can tap Contacts and tap your friend's name instead of having to type the address.

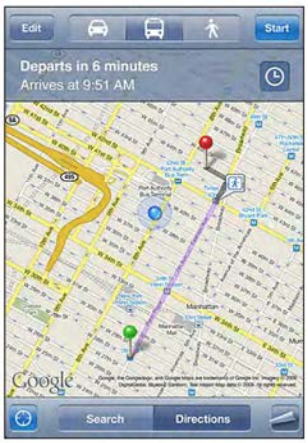
   To reverse the directions, tap .

3 Tap Route (if you entered locations manually), then select driving, public transit, or walking directions.

The travel options available depend on the route.

4 Do one of the following:

- *To view directions one step at a time,* tap Start, then tap ➡ to see the next leg of the trip. Tap ⬅ to go back.
- *To view all the directions in a list,* tap, then tap List. Tap any item in the list to see a map showing that leg of the trip. Tap Route Overview to return to the overview screen.



If you're driving or walking, the approximate distance and travel time appear at the top of the screen. If traffic data is available, the driving time is adjusted accordingly.

If you're taking public transit, the overview screen shows each leg of the trip and the mode of transportation, including where you need to walk. The top of the screen shows the time of the bus or train at the first stop, the estimated arrival time, and the total fare. Tap to set your departure or arrival time, and to choose a schedule for the trip. Tap the icon at a stop to see the departure time for that bus or train, and to get a link to the transit provider's website or contact info. When you tap Start and step through the route, detailed information about each leg of the trip appears at the top of the screen.

You can also get directions by finding a location on the map, tapping the pin that points to it, tapping, then tapping Directions To Here or Directions From Here.

Switch start and end points, for reverse directions: Tap .

If you don't see , tap List, then tap Edit.

See recently viewed directions: Tap in the search field, then tap Recents.

Showing Traffic Conditions

When available, you can show highway traffic conditions on the map.

Show or hide traffic conditions: Tap , then tap Show Traffic or Hide Traffic.

Highways are color-coded according to the flow of traffic:



If you don't see color-coded highways, you may need to zoom out to a level where you can see major roads, or traffic conditions may not be available for that area.

Finding and Contacting Businesses

Find businesses in an area:

1. Find a location—for example, a city and state or country, or a street address—or scroll to a location on a map.
2. Type the kind of business in the text field and tap Search.

   Pins appear for matching locations. For example, if you locate your city and then type "movies" and tap Search, pins mark movie theatres in your city.

   Tap the pin that marks a business to see its name or description.

Find businesses without finding the location first: Type things like:

- restaurants san francisco ca
- apple inc new york

Contact a business or get directions: Tap the pin that marks a business, then tap next to the name.

From there, you can do the following:

- Tap a phone number to call, an email address to send email to, or a web address to visit.
- For directions, tap Directions To Here or Directions From Here.

- To add the business to your contacts list, scroll down and tap "Create New Contact" or "Add to Existing Contact."
- Share the location of the business by email or text message

See a list of the businesses found in the search: From the Map screen, tap List.

Tap a business to see its location. Or tap next to a business to see its information.

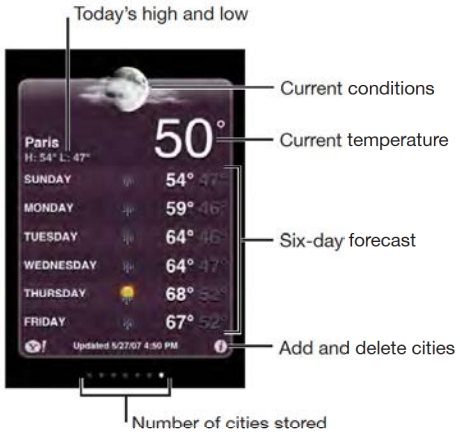


Weather

14

Viewing Weather Summaries

Tap Weather from the Home screen to get the current temperature and six-day forecast for one or more cities around the world.



If the weather board is light blue, it's daytime in that city—between 6:00 a.m. and 6:00 p.m. If the board is dark purple, it's nighttime—between 6:00 p.m. and 6:00 a.m.

Add a city:

1. Tap ⓘ, then tap +.
2. Enter a city name or zip code, then tap Search.
3. Choose a city in the search list.

Switch to another city: Flick left or right, or tap to the left or right of the row of dots. The number of dots below the weather board shows how many cities are stored.

Reorder cities: Tap ⓘ, then drag ☰ next to a city to a new place in the list.

Delete a city: Tap ⓘ and tap ⊖ next to a city, then tap Delete.

Display temperature in Fahrenheit or Celsius: Tap ⓘ, then tap °F or °C.

Getting More Weather Information

You can see a more detailed weather report, news and websites related to the city, and more.

See information about a city at Yahoo.com: Tap Y!.

Voice Memos

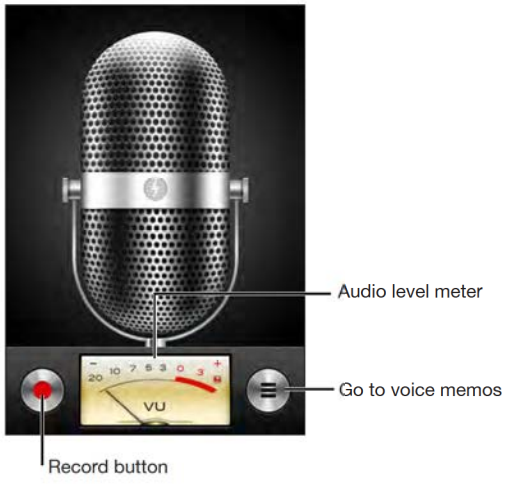
15

Recording Voice Memos

Voice Memos lets you use iPhone as a portable recording device using the built-in microphone, iPhone or Bluetooth headset mic, or supported external microphone.

Note: External microphones must be designed to work with the iPhone headset jack or Dock Connector, such as Apple-branded earbuds or authorized third-party accessories marked with the Apple "Works with iPhone" logo.

You can adjust the recording level by moving the microphone closer to or further away from what you're recording. For better recording quality, the loudest level on the level meter should be between –3dB and 0 dB.



125

Record a voice memo:

1. Tap ● to start recording. You can also press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).
2. Tap ❚❚ to pause or ■ to stop recording. You can also press the center button on the iPhone headset (or the equivalent button on your Bluetooth headset).

Recordings using the built-in microphone are mono, but you can record stereo using an external stereo microphone.

When you start a voice recording, iPhone makes a shutter sound. The sound isn't played if you've set the Ring/Silent switch to silent. See "Sounds and the Ring/Silent Switch" on page 141.

Note: In some regions, the sound effects for Voice Memos are played even if the Ring/Silent switch is set to silent.

To use other applications while recording your voice memo, you can lock iPhone or press the Home ▢ button.

Play back a voice memo you just recorded: Tap ▶.

Listening to Voice Memos



Play a voice memo you've previously recorded:

1. Tap ☰.

   Memos are listed in chronological order, with the most recent memo first.
2. Tap a memo, then tap ▶.

   Tap ❚❚ to pause, then tap ▶ again to resume playback.

Skip to any point in a memo: Drag the playhead along the scrubber bar.

Listen through the built-in speaker: Tap Speaker.

Managing Voice Memos

Delete a voice memo: Tap a memo in the list, then tap Delete.

See more information: Tap next to the memo. The Info screen displays information about the length, recording time and date, and provides additional editing and sharing functions.



Add a label to a memo: On the Info screen tap , then select a label in the list on the Label screen. To create a custom label, choose Custom at the bottom of the list, then type a name for the label.

Trimming Voice Memos

You can trim the beginning or ending of a voice memo to eliminate unwanted pauses or noise.

Trim a voice memo:

1. On the Voice Memos screen, tap next to the memo you want to trim.
2. Tap Trim Memo.
3. Using the time markers as a guide, drag the edges of the audio region to adjust the beginning and end of the voice memo. To preview your edit, tap ▶.



4. Tap Trim Voice Memo.

Important: Edits you make to voice memos can't be undone.

Sharing Voice Memos

You can share your voice memos as attachments in email or MMS messages (iPhone 3G or later).

Share a voice memo:

1. On the Voice Memos screen or Info screen, tap Share.
2. Choose Email Voice Memo to open a new message in Mail with the memo attached, or choose MMS to open a new message in Messages.

A message appears if the file you're trying to send is too large.

Syncing Voice Memos

iTunes automatically syncs voice memos to your iTunes library when you connect iPhone to your computer. This lets you listen to voice memos on your computer and provides a backup if you delete them from iPhone.

Voice memos are synced to the Voice Memos playlist. iTunes creates the playlist if it doesn't exist. When you sync voice memos to iTunes, they remain in the Voice Memos application until you delete them. If you delete a voice memo on iPhone, it isn't deleted from the Voice Memos playlist in iTunes. However, if you delete a voice memo from iTunes, it *is* deleted from iPhone the next time you sync with iTunes.

You can sync the iTunes Voice Memos playlist to the iPod application on iPhone using the Music pane in iTunes.

Sync the Voice Memos playlist to iPhone:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. Select the Music tab.
4. Select the "Include voice memos" checkbox and click Apply.

Notes

16



Writing and Reading Notes

Notes are listed in the order of the last modified date, with the most recently modified note at the top. You can see the first few words of each note in the list. Rotate iPhone to view notes in landscape orientation and type using a larger keyboard.

Add a note: Tap +, then type your note and tap Done.

Read a note: Tap the note. Tap ➡ or ⬅ to see the next or previous note.

Edit a note: Tap anywhere on the note to bring up the keyboard.

Delete a note: Tap the note, then tap 🗑.

Searching Notes

You can search the text of notes.



Search for notes:

1. Drag the note list down or tap the status bar to expose the search window.
2. Enter text in the search field.

   Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Emailing Notes

Email a note: Tap the note, then tap ✉.

To email a note, iPhone must be set up for email. See "Setting Up Email Accounts" on page 59.

Syncing Notes

You can set up iTunes to automatically sync your notes with email applications such as Mac OS X Mail (requires Mac OS X version 10.5.7 or later) or Microsoft Outlook 2003 or 2007 on a PC. See "Syncing with iTunes" on page 12.

Clock

17



World Clocks

You can add clocks to show the time in other major cities and time zones around the world.

View clocks: Tap World Clock.

If the clock face is white, it's daytime in that city. If the clock face is black, it's nighttime. If you have more than four clocks, flick to scroll through them.

Add a clock:

1. Tap World Clock.
2. Tap +, then type the name of a city.

   Cities matching what you've typed appear below.
3. Tap a city to add a clock for that city.

   If you don't see the city you're looking for, try a major city in the same time zone.

Delete a clock: Tap World Clock and tap Edit. Then tap ⊖ next to a clock and tap Delete.

Rearrange clocks: Tap World Clock and tap Edit. Then drag ☰ next to a clock to a new place in the list.

132

Alarms

You can set multiple alarms. Set each alarm to repeat on days you specify, or to sound only once.

Set an alarm:

1. Tap Alarm and tap +.
2. Adjust any of the following settings:
   - *To set the alarm to repeat on certain days,* tap Repeat and choose the days.
   - *To choose the ringtone that sounds when the alarm goes off,* tap Sound.
   - *To set whether the alarm gives you the option to hit snooze,* turn Snooze on or off. If Snooze is on and you tap Snooze when the alarm sounds, the alarm stops and then sounds again in ten minutes.
   - *To give the alarm a description,* tap Label. iPhone displays the label when the alarm sounds.

If at least one alarm is set and turned on, appears in the iPhone status bar at the top of the screen.

Important: Some carriers don't support network time in all locations. If you're traveling, iPhone alerts may not sound at the correct local time. See "Date and Time" on page 147.

Turn an alarm on or off: Tap Alarm and turn any alarm on or off. If an alarm is turned off, it won't sound again unless you turn it back on.

If an alarm is set to sound only once, it turns off automatically after it sounds. You can turn it on again to reenable it.

Change settings for an alarm: Tap Alarm and tap Edit, then tap next to the alarm you want to change.

Delete an alarm: Tap Alarm and tap Edit, then tap next to the alarm and tap Delete.

Stopwatch

Use the stopwatch to time an event:

1. Tap Stopwatch.
2. Tap Start to start the stopwatch.
   - *To record lap times,* tap Lap after each lap.
   - *To pause the stopwatch,* tap Stop. Tap Start to resume.
   - *To reset the stopwatch,* tap Reset when the stopwatch is pause.

If you start the stopwatch and go to another iPhone application, the stopwatch continues running in the background.

Timer

Set the timer: Tap Timer, then flick to set the number of hours and minutes. Tap Start to start the timer.

Choose the sound: Tap When Timer Ends.

Set a sleep timer: Set the timer, then tap When Timer Ends and choose Sleep iPod. When you set a sleep timer, iPhone stops playing music or video when the timer ends.

If you start the timer and then switch to another iPhone application, the timer continues running.

Calculator

18



Using the Calculator

Tap numbers and functions in Calculator just as you would with a standard calculator. When you tap the add, subtract, multiply, or divide button, a white ring appears around the button to let you know the operation to be carried out. Rotate iPhone to get an expanded scientific calculator.

Standard Memory Functions

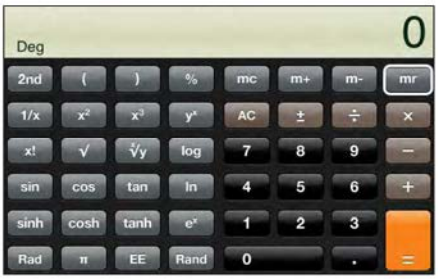
- *C:* Tap to clear the displayed number.
- *MC:* Tap to clear the memory.
- *M+:* Tap to add the displayed number to the number in memory. If no number is in memory, tap to store the displayed number in memory.
- *M-:* Tap to subtract the displayed number from the number in memory.
- *MR:* Tap to replace the displayed number with the number in memory. If the button has a white ring around it, there is a number stored in memory.

The stored number remains in memory when you switch between the standard and scientific calculators.

135

Scientific Calculator Keys

Rotate iPhone to landscape orientation to display the scientific calculator.



2nd	Changes the trigonometric buttons (sin, cos, tan, sinh, cosh, and tanh) to their inverse functions ($\sin^{-1}$, $\cos^{-1}$, $\tan^{-1}$, $\sinh^{-1}$, $\cosh^{-1}$, and $\tanh^{-1}$). It also changes ln to log2, and e^x to 2^x. Tap 2nd again to return the buttons to their original functions.
(	Opens a parenthetical expression. Expressions can be nested.
)	Closes a parenthetical expression.
%	Calculates percentages, adds markups, and subtracts discounts. To calculate a percentage, use it with the multiplication (x) key. For example, to calculate 8% of 500, enter 500 x 8 % = which returns 40. To add a markup or subtract a discount, use it with the plus (+) or minus (–) key. For example, to compute the total cost of a $500 item with an 8% sales tax, enter 500 + 8 % = which returns 540.
1/x	Returns the reciprocal of a value in decimal format.
x^2	Squares a value.
x^3	Cubes a value.
y^x	Tap between values to raise the first value to the power of the second value. For example, to compute 3^4, enter 3 y^x 4 = which returns 81.
x!	Calculates the factorial of a value.
√	Calculates the square root of a value.
$\sqrt[x]{y}$	Use between values to calculate the x root of y. For example to compute $\sqrt[4]{81}$, enter 81 $\sqrt[x]{y}$ 4 = which returns 3.

log	Returns the log base 10 of a value.
sin	Calculates the sine of a value.
sin^{-1}	Calculates the arc sine of a value. (Available when the 2nd button is tapped.)
cos	Calculates the cosine of a value.
cos^{-1}	Calculates the arc cosine of a value. (Available when the 2nd button is tapped.)
tan	Calculates the tangent of a value.
tan^{-1}	Calculates the arc tangent of a value. (Available when the 2nd button is tapped.)
ln	Calculates the natural log of a value.
log2	Calculates the log base 2. (Available when the 2nd button is tapped.)
sinh	Calculates the hyperbolic sine of a value.
$sinh^{-1}$	Calculates the inverse hyperbolic sine of a value. (Available when the 2nd button is tapped.)
cosh	Calculates the hyperbolic cosine of a value.
$cosh^{-1}$	Calculates the inverse hyperbolic cosine of a value. (Available when the 2nd button is tapped.)
tanh	Calculates the hyperbolic tangent of a value.
$tanh^{-1}$	Calculates the inverse hyperbolic tangent of a value. (Available when the 2nd button is tapped.)
e^x	Tap after entering a value to raise the constant "e" (2.718281828459045...) to the power of that value.
2^x	Calculates 2 to the power of the displayed value. For example, 10 2^x = 1024. (Available when the 2nd button is tapped.)
Rad	Changes the mode to express trigonometric functions in radians.
Deg	Changes the mode to express trigonometric functions in degrees.
π	Enters the value of π (3.141592653589793...).
EE	An operator that multiplies the currently displayed value by 10 to the power of the next value you enter.
Rand	Returns a random number between 0 and 1.

Settings

19



Settings allows you to customize iPhone applications, set the date and time, configure your network connection, and enter other preferences for iPhone.

Airplane Mode

Airplane mode disables the wireless features of iPhone to avoid interfering with aircraft operation and other electrical equipment.

Turn on airplane mode: Tap Settings and turn airplane mode on.

When airplane mode is on, ✈ appears in the status bar at the top of the screen. No phone, radio, Wi-Fi, or Bluetooth signals are emitted from iPhone and GPS reception is turned off, disabling many of iPhone's features. You won't be able to:

- Make or receive phone calls
- Get visual voicemail
- Send or receive email
- Browse the Internet
- Sync your contacts, calendars, or bookmarks (MobileMe only) with MobileMe or Microsoft Exchange
- Send or receive text messages
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Use the iTunes Store or the App Store

If allowed by the aircraft operator and applicable laws and regulations, you can continue to use iPhone to:

- Listen to music and watch video

138

- Listen to visual voicemail previously received
- Check your calendar
- Take or view pictures
- Hear alarms
- Use the stopwatch or timer
- Use the calculator
- Take notes
- Record voice memos
- Use Compass
- Read text messages and email messages stored on iPhone

Where allowed by the aircraft operator and applicable laws and regulations, you can turn Wi-Fi back on, enabling you to:

- Send and receive email
- Browse the Internet
- Sync your contacts, calendars, and bookmarks (MobileMe only) with MobileMe and Microsoft Exchange
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Use the iTunes Store or the App Store

Wi-Fi

Wi-Fi settings determine whether iPhone uses local Wi-Fi networks to connect to the Internet. If no Wi-Fi networks are available, or you've turned Wi-Fi off, then iPhone connects to the Internet via your cellular data network, when available. You can use Mail, Safari, YouTube, Stocks, Maps, Weather, the iTunes Store, and the App Store over a cellular data network connection.

Turn Wi-Fi on or off: Choose Wi-Fi and turn Wi-Fi on or off.

Join a Wi-Fi network: Choose Wi-Fi, wait a moment as iPhone detects networks in range, then select a network. If necessary, enter a password and tap Join. (Networks that require a password appear with a lock icon.)

Once you've joined a Wi-Fi network manually, iPhone automatically joins it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

When iPhone is joined to a Wi-Fi network, the Wi-Fi icon in the status bar at the top of the screen shows signal strength. The more bars you see, the stronger the signal.

Set iPhone to ask if you want to join a new network: Choose Wi-Fi and turn "Ask to Join Networks" on or off.

When you're trying to access the Internet, by using Safari or Mail for example, and you aren't in range of a Wi-Fi network you've previously used, this option tells iPhone to look for another network. iPhone displays a list of all available Wi-Fi networks that you can choose from. (Networks that require a password appear with a lock icon.) If "Ask to Join Networks" is turned off, you must manually join a network to connect to the Internet when a previously used network or a cellular data network isn't available.

Forget a network, so iPhone doesn't join it automatically: Choose Wi-Fi and tap next to a network you've joined before. Then tap "Forget this Network."

Join a closed Wi-Fi network: To join a Wi-Fi network that isn't shown in the list of scanned networks, choose Wi-Fi > Other, then enter the network name. If the network requires a password, tap Security, tap the type of security the network uses, and enter the password.

You must already know the network name, password, and security type to connect to a closed network.

Some Wi-Fi networks may require you to enter or adjust additional settings, such as a client ID or static IP address. Ask the network administrator which settings to use.

Adjust settings to connect to a Wi-Fi network: Choose Wi-Fi, then tap next to a network.

VPN

This setting appears when you have VPN configured on iPhone, allowing you to turn VPN on or off. See "Network" on page 143.

Notifications

This setting appears when you've installed an application from the App Store that uses the Apple Push Notification service.

Push notifications are used by applications to alert you of new information, even when the application isn't running. Notifications differ depending upon the application, but may include text or sound alerts, and a numbered badge on the application's icon on the Home screen.

You can turn notifications off if you don't want to be notified or want to conserve battery life.

Turn all notifications on or off: Tap Notifications and turn notifications on or off.

Turn sounds, alerts, or badges on or off for an application: Tap Notifications, then choose an application from the list and choose the types of notification you want to turn on or off.

Carrier

This setting appears when you're outside of your carrier's network and other local carrier data networks are available to use for your phone calls, visual voicemail, and cellular network Internet connections. You can make calls only on carriers that have roaming agreements with your carrier. Additional fees may apply. Roaming charges may be billed to you by the carrier of the selected network, through your carrier.

For information about out-of-network coverage and how to enable roaming, contact your carrier or go to your carrier's website.

Select a carrier: Choose Carrier and select the network you want to use.

Once you select a network, iPhone uses only that network. If the network is unavailable, "No service" appears on the iPhone screen and you can't make or receive calls or visual voicemail, or connect to the Internet via cellular data network. Set Network Settings to Automatic to have iPhone select a network for you.

Sounds and the Ring/Silent Switch

Switch between ring and silent mode: Flip the Ring/Silent switch on the side of iPhone.

When set to silent, iPhone doesn't play any ring, alert, or effects sounds. It does, however, play alarms set using Clock.

Note: In some regions, the sound effects for Camera and Voice Memos are played even if the Ring/Silent switch is set to silent.

Set whether iPhone vibrates when you get a call: Choose Sounds. To set whether iPhone vibrates in silent mode, turn Vibrate under Silent on or off. To set whether iPhone vibrates in ring mode, turn Vibrate under Ring on or off.

Adjust the ringer and alerts volume: Choose Sounds and drag the slider. Or, if no song or video is playing and you aren't on a call, use the volume buttons on the side of iPhone.

Set the ringtone: Choose Sounds > Ringtone.

Set alert and effects sounds: Choose Sounds and turn items on or off under Ring. When the Ring/Silent switch is set to ring, iPhone plays sounds for alerts and effects that are turned on.

You can set iPhone to play a sound whenever you:

- Get a call

- Get a text message
- Get a voicemail message
- Get an email message
- Send an email message
- Have an appointment that you've set up to alert you
- Lock iPhone
- Type using the keyboard

Brightness

Screen brightness affects battery life. Dim the screen to extend the time before you need to recharge iPhone, or use Auto-Brightness.

Adjust the screen brightness: Choose Brightness and drag the slider.

Set whether iPhone adjusts screen brightness automatically: Choose Brightness and turn Auto-Brightness on or off. If Auto-Brightness is on, iPhone adjusts the screen brightness for current light conditions using the built-in ambient light sensor.

Wallpaper

You see a wallpaper background picture when you unlock iPhone. You can select one of the images that came with iPhone, or use a photo you've synced to iPhone from your computer.

Set wallpaper: Choose Wallpaper and choose a picture.

General

The General settings include date and time, security, network, and other settings that affect more than one application. This is also where you can find information about your iPhone, and reset iPhone to its original state.

About

Choose General > About to get information about iPhone, including:

- Name of your phone network
- Number of songs, videos, and photos
- Total storage capacity
- Space available
- Software version
- Serial and model numbers
- Wi-Fi and Bluetooth addresses

- IMEI (International Mobile Equipment Identity) and ICCID (Integrated Circuit Card Identifier, or Smart Card) numbers
- Modem firmware version of the cellular transmitter
- Legal information
- Regulatory information

Usage

Show battery percentage: Tap Usage and turn Battery Percentage on to display the percentage of battery charge next to the battery icon in the upper-right corner of iPhone (iPhone 3GS only).

See your usage statistics: Choose Usage. There, you can see:

- Usage—Amount of time iPhone has been awake and in use since the last full charge. iPhone is awake whenever you're using it—including making or receiving phone calls, using email, sending or receiving text messages, listening to music, browsing the web, or using any other iPhone features. iPhone is also awake while performing background tasks such as automatically checking for and retrieving email messages.
- Standby—Amount of time iPhone has been powered on since its last full charge, including the time iPhone has been asleep.
- Current period call time and lifetime call time.
- Amount of data sent and received over the cellular data network.

Reset your usage statistics: Tap Usage and tap Reset Statistics to clear the data and cumulative time statistics. The statistics for the amount of time iPhone has been unlocked and in standby mode aren't reset.

Network

Use the Network settings to configure a VPN (virtual private network) connection, access Wi-Fi settings, or turn Data Roaming on or off.

Enable or disable 3G: Tap to turn 3G on or off.

Using 3G loads Internet data faster in some cases, but may decrease battery performance. If you're making a lot of phone calls, you may want to turn 3G off to extend battery performance.

Turn Data Roaming on or off: Choose General > Network, then turn Data Roaming on or off.

Data Roaming turns on Internet and visual voicemail access over a cellular data network when you're in an area not covered by your carrier's network. For example, when you're traveling, you can turn off Data Roaming to avoid potential roaming charges. By default, Data Roaming is turned off.

Turn Internet Tethering on or off: Choose General > Network > Internet Tethering, then turn Internet Tethering on or off.

Internet Tethering lets you share iPhone's Internet connection with a computer connected via USB or Bluetooth (not available in all regions). Follow the onscreen instructions to complete the setup. Additional fees may apply. See "Using iPhone as a Modem" on page 42.

Add a new VPN configuration: Choose General > Network > VPN > Add VPN Configuration.

VPNs used within organizations allow you to communicate private information securely over a non-private network. You may need to configure VPN, for example, to access your work email on iPhone.

iPhone can connect to VPNs that use the L2TP, PPTP, or Cisco IPSec protocols. VPN works over both Wi-Fi and cellular data network connections.

Ask your network administrator which settings to use. In most cases, if you've set up VPN on your computer, you can use the same VPN settings for iPhone.

Once you've entered VPN settings, a VPN switch appears in the Settings menu that you can use to turn VPN on or off.

VPN may also be automatically set up by a configuration profile. See "Installing Configuration Profiles" on page 18.

Change a VPN configuration: Choose General > Network > VPN and tap the configuration you want to update.

Turn VPN on or off: Tap Settings and turn VPN on or off.

Delete a VPN configuration: Choose General > Network > VPN, tap the blue arrow to the right of the configuration name, and tap Delete VPN at the bottom of the configuration screen.

Bluetooth

iPhone can connect wirelessly to Bluetooth devices such as headsets, headphones, and car kits for music listening and hands-free talking. See "Bluetooth Devices" on page 55.

Turn Bluetooth on or off: Choose General > Bluetooth and turn Bluetooth on or off.

Location Services

Location Services allows applications such as Maps Camera, and Compass to gather and use data indicating your location. Location Services doesn't correlate the data it collects with your personally identifiable information. Your approximate location is determined using available information from cellular network data, local Wi-Fi networks (if you have Wi-Fi turned on), and GPS (iPhone 3G or later; GPS may not be available in all locations).

You can turn Location Services off if you don't want to use this feature. If you turn Location Services off, you'll be prompted to turn it on again the next time an application tries to use this feature.

Turn Location Services on or off: Choose General > Location Services and turn location services on or off.

To conserve battery life, turn Location Services off when you're not using it.

Auto-Lock

Locking iPhone turns off the display to save your battery and to prevent unintended operation of iPhone. You can still receive calls and text messages, and you can adjust the volume and use the mic button on the iPhone stereo headset when listening to music or on a call.

Set the amount of time before iPhone locks: Choose General > Auto-Lock and choose a time.

Passcode Lock

By default, iPhone doesn't require you to enter a passcode to unlock it.

Set a passcode: Choose General > Passcode Lock and enter a 4-digit passcode, then enter the passcode again to verify it. iPhone then requires you to enter the passcode to unlock it or to display the passcode lock settings.

Turn passcode lock off: Choose General > Passcode Lock, enter your passcode, and tap Turn Passcode Off, then enter your passcode again.

Change the passcode: Choose General > Passcode Lock, enter your passcode, and tap Change Passcode. Enter your passcode again, then enter and reenter your new passcode.

If you forget your passcode, you must restore the iPhone software. See "Updating and Restoring iPhone Software" on page 204.

Set how long before your passcode is required: Choose General > Passcode Lock and enter your passcode. Tap Require Passcode, then select how long iPhone can be idle before you need to enter a passcode to unlock it.

Turn Voice Dial on or off: Choose General > Passcode Lock and turn Voice Dial on or off.

Erase data after ten failed passcode attempts: Choose General > Passcode Lock, enter your passcode, and tap Erase Data to turn it on.

After ten failed passcode attempts, your settings are reset to their defaults and all your information and media is erased:

- *On iPhone 3GS:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)
- *On iPhone and iPhone 3G:* by overwriting the data

Important: You can't use iPhone while data is being overwritten. This can take up to two hours or more, depending on the model and storage capacity of your iPhone. (On iPhone 3GS, the removal of the encryption key is immediate.)

Restrictions

You can set restrictions for the use of some applications and for iPod content on iPhone. For example, parents can restrict explicit music from being seen on playlists, or turn off YouTube access entirely.

Turn on restrictions:

1. Choose General > Restrictions, then tap Enable Restrictions.
2. Enter a four-digit passcode.
3. Reenter the passcode.

Turn off restrictions: Choose General > Restrictions, then enter the passcode. Tap Disable Restrictions, then reenter the passcode.

If you forget your passcode, you must restore your iPhone software from iTunes. See "Updating and Restoring iPhone Software" on page 204.

Set application restrictions: Set the restrictions you want by tapping individual controls on or off. By default, all controls are on (not restricted). Tap an item to turn it off and restrict its use.

	Safari is disabled and its icon is removed from the Home screen. You cannot use Safari to browse the web or access web clips. Other third-party applications may allow web browsing even if Safari is disabled.
	YouTube is disabled and its icon is removed from the Home screen.
	The iTunes Store is disabled and its icon is removed from the Home screen. You cannot preview, purchase, or download content.
	The App Store is disabled and its icon is removed from the Home screen. You cannot install applications on iPhone.
	Camera is disabled and its icon is removed from the Home screen. You cannot take pictures.
	Location data isn't provided to applications.

Restrict purchases within applications: Turn In-App Purchases off. When enabled, this feature allows you to purchase additional content or features within applications downloaded from the App Store.

Set content restrictions: Tap Ratings For, then select a country from the list. You can then set restrictions using that country's ratings system for the following categories of content:

- Music & Podcasts
- Movies
- TV Shows
- Apps

In the United States for example, to allow only movies rated PG or below, tap Movies, then select PG from the list.

Note: Not all countries have rating systems.

Home

Choose General > Home to set preferences for double-clicking the Home button and searching categories on the Spotlight page. You can set iPhone so that double-clicking the Home button goes to the Home screen, Search, Phone Favorites, Camera, or iPod.

Set whether double-clicking the Home button shows iPod controls: Turn on iPod Controls to display iPod controls when you're playing music and double-click the Home button. This feature works even when the display is turned off or iPhone is locked.

Set what categories appear in search results: Tap Search Results. All search categories in the list are selected by default. Tap an item to deselect it.

Set the order of search result categories: Tap Search Results, then drag ☰ next to a search category to a new place in the list.

Date and Time

These settings apply to the time shown in the status bar at the top of the screen, and in world clocks and calendars.

Set whether iPhone shows 24-hour time or 12-hour time: Choose General > Date & Time and turn 24-Hour Time on or off. (Not available in all countries.)

Set whether iPhone updates the date and time automatically: Choose General > Date & Time and turn Set Automatically on or off.

If iPhone is set to update the time automatically, it gets the correct time over the cellular network, and updates it for the time zone you're in.

Some carriers don't support network time in all locations. If you're traveling, iPhone may not be able to automatically set the local time.

Set the date and time manually: Choose General > Date & Time and turn Set Automatically off. Tap Time Zone and enter the name of a major city in your time zone. Tap the "Date & Time" return button, then tap "Set Date & Time" and enter the date and time.

Keyboard

Turn Auto-Correction on or off: Choose General > Keyboard and turn Auto-Correction on or off.

By default, if the default keyboard for the language you select has a dictionary, iPhone automatically suggests corrections or completed words as you type.

Turn Auto-Capitalization on or off: Choose General > Keyboard and turn Auto-Capitalization on or off.

By default, iPhone automatically capitalizes words after you type sentence-ending punctuation or a return character.

Set whether caps lock is enabled: Choose General > Keyboard and turn Enable Caps Lock on or off.

If caps lock is enabled and you double-tap the Shift ⇧ key on the keyboard, all letters you type are uppercase. The Shift key turns blue when caps lock is on.

Turn the "." shortcut on or off: Choose General > Keyboard and turn "." Shortcut on or off.

The "." shortcut lets you double-tap the space bar to enter a period followed by a space when you're typing. It's on by default.

Turn international keyboards on or off: Choose General > Keyboards > International Keyboards and turn on the keyboards you want.

If more than one keyboard is turned on, tap 🌐 to switch keyboards when you're typing. When you tap the symbol, the name of the newly active keyboard appears briefly. See "International Keyboards" on page 35.

International

Use International settings to set the language for iPhone, turn keyboards for different languages on or off, and set the date, time, and telephone number formats for your region.

Set the language for iPhone: Choose General > International > Language, choose the language you want to use, then tap Done.

Set the Voice Control language for iPhone: Choose General > International > Voice Control, then choose the language you want to use (available only on iPhone 3GS).

Turn international keyboards on or off: Choose General > International > Keyboards, and turn on the keyboards you want.

If more than one keyboard is turned on, tap 🌐 to switch keyboards when you're typing. When you tap the symbol, the name of the newly active keyboard appears briefly. See "International Keyboards" on page 35.

Set date, time, and telephone number formats: Choose General > International > Region Format, and choose your region.

The Region Format also determines the language used for the days and months that appear in native iPhone applications.

Accessibility

To turn on accessibility features (available only on iPhone 3GS), choose Accessibility and choose the features you want. See Chapter 25, "Accessibility," on page 182.

Resetting iPhone

Reset all settings: Choose General > Reset and tap Reset All Settings.

All your preferences and settings are reset. Information, such as your contacts and calendars, and media, such as your songs and videos, aren't deleted.

Erase all content and settings: Connect iPhone to your computer or a power adapter. Choose General > Reset and tap "Erase All Content and Settings."

This resets all settings to their defaults and erases all your information and media:

- *On iPhone 3GS:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)
- *On iPhone and iPhone 3G:* by overwriting the data

Important: You can't use iPhone while data is being overwritten. This can take up to two hours or more, depending on the model and storage capacity of your iPhone. (On iPhone 3GS, the removal of the encryption key is immediate.)

Reset network settings: Choose General > Reset and tap Reset Network Settings.

When you reset network settings, your list of previously used networks and VPN settings not installed by a configuration profile are removed. Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and "Ask to Join Networks" settings are left turned on.

To remove VPN settings installed by a configuration profile, choose Settings > General > Profile, then select the profile and tap Remove.

Reset the keyboard dictionary: Choose General > Reset and tap Reset Keyboard Dictionary.

You add words to the keyboard dictionary by rejecting words iPhone suggests as you type. Tap a word to reject the correction and add the word to the keyboard dictionary. Resetting the keyboard dictionary erases all words you've added.

Reset the Home screen layout: Choose General > Reset and tap Reset Home Screen Layout.

Reset the location warnings: Choose General > Reset and tap Reset Location Warnings.

Location warnings are the requests made by applications (such as Camera, Compass, and Maps) to use Location Services with those applications. iPhone stops presenting the warning for an application the second time you tap OK. Tap Reset Location Warnings to resume the warnings.

Mail, Contacts, Calendars

Use Mail, Contacts, Calendars settings to set up and customize accounts for iPhone:

- Microsoft Exchange
- MobileMe
- Google email
- Yahoo! Mail
- AOL
- Other POP and IMAP mail systems
- LDAP accounts for Contacts
- CalDAV or iCalendar (.ics) accounts for Calendars

Accounts

The Accounts section lets you set up accounts on iPhone. The specific settings that appear depend on the type of account you're setting up. Your service provider or system administrator should be able to provide the information you need to enter.

For more information, see:

- "Setting Up Accounts" on page 16
- "Adding Contacts" on page 176
- "Subscribing to and Sharing Calendars" on page 93

Change an account's settings: Choose "Mail, Contacts, Calendars," choose an account, then make the changes you want.

Changes you make to an account's settings on iPhone are *not* synced to your computer, so you can configure your accounts to work with iPhone without affecting the account settings on your computer.

Stop using an account: Choose "Mail, Contacts, Calendars," choose an account, then turn Account off.

If an account is off, iPhone doesn't display the account and doesn't send or check email from or sync other information with that account, until you turn it back on.

Adjust advanced settings: Choose "Mail, Contacts, Calendars," choose an account, then do one of the following:

- *To set whether drafts, sent messages, and deleted messages are stored on iPhone or remotely on your email server (IMAP accounts only),* tap Advanced and choose Drafts Mailbox, Sent Mailbox, or Deleted Mailbox.

  If you store messages on iPhone, you can see them even when iPhone isn't connected to the Internet.
- *To set how long before messages are removed permanently from Mail on iPhone,* tap Advanced and tap Remove, then choose a time: Never, or after one day, one week, or one month.
- *To adjust email server settings,* tap Host Name, User Name, or Password under Incoming Mail Server or Outgoing Mail Server. Ask your network administrator or Internet service provider for the correct settings.
- *To adjust SSL and password settings,* tap Advanced. Ask your network administrator or Internet service provider for the correct settings.

Delete an account from iPhone: Choose "Mail, Contacts, Calendars," choose an account, then scroll down and tap Delete Account.

Deleting an account means you can no longer access the account with your iPhone. All email and the contacts, calendar, and bookmark information synced with the account are removed from iPhone. However, deleting an account doesn't remove the account or its associated information from your computer.

Fetch New Data

This setting lets you turn Push on or off for MobileMe, Microsoft Exchange, Yahoo! Mail, and any other push accounts you've configured on iPhone. Push accounts automatically deliver new information to iPhone when new information appears on the server (some delays may occur). You might want to turn Push off to suspend delivery of email and other information, or to conserve battery life.

When Push is off, and with accounts that don't support push, data can still be fetched—that is, iPhone can check with the server and see if new information is available. Use the Fetch New Data setting to determine how often data is requested. For optimal battery life, don't fetch too frequently.

Turn Push on: Choose "Mail, Contacts, Calendars" > Fetch New Data, then tap to turn Push on.

Set the interval to fetch data: Choose "Mail, Contacts, Calendars" > Fetch New Data, then choose how often you want to fetch data for all accounts.

To conserve battery life, fetch less frequently.

Setting Push to OFF or setting Fetch to Manually in the Fetch New Data screen overrides individual account settings.

Mail

The Mail settings, except where noted, apply to all accounts you've set up on iPhone.

To turn alerts sounds for new or sent mail on or off, use the Sounds settings.

Set the number of messages shown on iPhone: Choose "Mail, Contacts, Calendars" > Show, then choose a setting.

Choose to see the most recent 25, 50, 75, 100, or 200 messages. To download additional messages when you're in Mail, scroll to the bottom of your inbox and tap Load More Messages.

Note: For Microsoft Exchange accounts, choose "Mail, Contacts, Calendars" and choose the Exchange account. Tap "Mail days to sync" and choose the number of days of mail you want to sync with the server.

Set how many lines of each message are previewed in the message list: Choose "Mail, Contacts, Calendars" > Preview, then choose a setting.

You can choose to see up to five lines of each message. That way, you can scan a list of messages in a mailbox and get an idea of what each message is about.

Set a minimum font size for messages: Choose "Mail, Contacts, Calendars" > Minimum Font Size, then choose Small, Medium, Large, Extra Large, or Giant.

Set whether iPhone shows To and Cc labels in message lists: Choose "Mail, Contacts, Calendars," then turn Show To/Cc Label on or off.

If Show To/Cc Label is on, To or Cc next to each message in a list indicates whether the message was sent directly to you or you received a copy.

Set whether iPhone confirms that you want to delete a message: Choose "Mail, Contacts, Calendars" and turn Ask Before Deleting on or off.

If Ask Before Deleting is on, to delete a message you must tap 🗑, then confirm by tapping Delete.

Set whether iPhone automatically loads remote images: Choose "Mail, Contacts, Calendars" and turn Load Remote Images on or off. If Load Remote Images is off, you can load images manually when reading a message.

Set whether iPhone sends you a copy of every message you send: Choose "Mail, Contacts, Calendars," then turn Always Bcc Myself on or off.

Set the default email account: Choose "Mail, Contacts, Calendars" > Default Account, then choose an account.

This setting determines which of your accounts a message is sent from when you create a message from another iPhone application, such as sending a photo from Photos or tapping the email address of a business in Maps. To send the message from a different account, tap the From field in the message and choose another account.

Add a signature to your messages: Choose "Mail, Contacts, Calendars" > Signature, then type a signature.

You can set iPhone to add a signature—your favorite quote, or your name, title, and phone number, for example—to the bottom of every message you send.

Contacts

Set how contacts are sorted: Choose "Mail Contacts, Calendars," then under Contacts tap Sort Order and do one of the following:

- *To sort by first name first,* tap First, Last.
- *To sort by last name first,* tap Last, First.

Set how contacts are displayed: Choose "Mail Contacts, Calendars," then under Contacts tap Display Order and do one of the following:

- *To show first name first,* tap First, Last.
- *To show last name first,* tap Last, First.

Import contacts from a SIM: Choose "Mail, Contacts, Calendars," then tap Import SIM Contacts.

The contact information on the SIM is imported to iPhone. If you have Contacts enabled for both MobileMe and Microsoft Exchange, you're prompted to choose which account you want to add the SIM contacts to.

Calendar

Set alerts to sound when your receive meeting invitation: Choose "Mail, Contacts, Calendars," and under Calendar tap "New Invitation Alerts" to turn it on.

Set how far back in the past to show your calendar events on iPhone: Choose "Mail, Contacts, Calendars" > Sync, then choose a period of time.

Turn on Calendar time zone support: Choose "Mail, Contacts, Calendars" > Time Zone Support, then turn Time Zone Support on. Select a time zone for calendars by tapping Time Zone and entering the name of a major city.

When Time Zone Support is on, Calendar displays event dates and times in the time zone of the city you selected. When Time Zone Support is off, Calendar displays events in the time zone of your current location as determined by the network time.

Important: Some carriers don't support network time in all locations. If you're traveling, iPhone may not display events or sound alerts at the correct local time. To manually set the correct time, see "Date and Time" on page 147.

Phone

Use Phone settings to forward incoming calls, turn call waiting on or off, change your password, and other things. Additional fees may apply. Contact your carrier for pricing and availability.

Calling from Abroad

Set iPhone to add the correct prefix when dialing from another country: In Settings, tap Phone, then turn International Assist on. This lets you make calls to your home country using the numbers in your contacts and favorites, without having to add a prefix or your country code. International Assist works for U.S. telephone numbers only.

For more information, see "Using iPhone Abroad" on page 56.

Call Forwarding

You can set iPhone to forward incoming calls to another number. For example, you may be on vacation and want all calls to go somewhere else. If you're going to an area with no cellular coverage, you may want to forward calls to a place where you can be reached.

Set iPhone to forward your calls:

1. Choose Phone > Call Forwarding and turn Call Forwarding on.
2. Tap Forwarding To and enter the phone number you want calls forwarded to.

When Call Forwarding is on, an icon appears in the status bar the top of the screen. You must be in range of the cellular network when you set iPhone to forward calls, or calls won't be forwarded.

Call Waiting

Activate or deactivate call waiting: Choose Phone > Call Waiting, then turn Call Waiting on or off. If you turn call waiting off and someone calls you when you're already on the phone, the call goes to voicemail.

Show My Caller ID

Show or hide your caller ID: Choose Phone > Show My Caller ID, then turn Show My Caller ID on or off.

If Show My Caller ID is off, people you call can't see your name or phone number on their phone.

Using iPhone with a Teletype (TTY) Machine

In some regions, Teletype (TTY) machines are used by deaf or hearing-impaired people to communicate by typing and reading text. You can use iPhone with a TTY machine if you have the iPhone TTY Adapter cable, available for purchase separately in many countries. Go to www.apple.com/store (not available in all countries).

Connect iPhone to a TTY machine: Choose Phone, then turn TTY on. Then connect iPhone to your TTY machine using the iPhone TTY Adapter.

For information about using a TTY machine, see the documentation that came with the machine.

For more information about other accessibility features of iPhone, go to Chapter 25, "Accessibility," on page 182.

Changing Your Voicemail Password

A voicemail password helps prevent others from access your voicemail. You need to enter the password only when you're calling in to get your messages from another phone. You won't need to enter the password when using voicemail on iPhone.

Change your voicemail password: Choose Phone > Change Voicemail Password.

Locking Your SIM Card

You can lock your SIM card, so it can't be used without a Personal Identification Number (PIN). You must enter the PIN each time you turn iPhone off and turn it back on again. Some carriers require a SIM PIN in order to use iPhone.

Important: If you enter the PIN incorrectly three times, you may need to enter a Personal Unlocking Key (PUK) to enable your SIM card again. Refer to the SIM card documentation or contact your carrier. Some cellular networks may not accept an emergency call from iPhone if the SIM is locked.

Turn the SIM PIN on or off:

1. Choose Phone > SIM PIN, then turn SIM PIN on or off.
2. Enter your PIN to confirm. Use the PIN assigned by your carrier, or your carrier's default PIN.

Change the PIN for your SIM card:

1. Choose Phone > SIM PIN.
2. Turn SIM PIN on, then tap Change PIN.
3. Enter your current PIN, then enter your new PIN.
4. Enter your new PIN again to confirm, then tap Done.

Accessing Your Carrier's Services

Depending on your carrier, you may be able to access some of your carrier's services directly from iPhone. For example, you may be able to check your bill balance, call directory assistance, and view how many minutes you have left.

Access your carrier's services: Choose Phone. Then scroll down and tap the button for your carrier's services.

When you request information such as your bill balance, your carrier may provide the information in a text message. Contact your carrier to find out if there are any charges for these services.

Safari

Safari settings let you select your Internet search engine, set security options, and for developers, turn on debugging.

General

You can use Google or Yahoo! to perform Internet searches.

Select a search engine: Choose Safari > Search Engine and select the search engine you want to use.

You can set Safari to automatically fill out web forms using contact information, names and passwords you previously entered, or both.

Enable AutoFill: Choose Safari > AutoFill, then do one of the following:

- *To use information from contacts,* turn Use Contact Info on, then choose My Info and select the contact you want to use.

  Safari uses information from Contacts to fill in contact fields on web forms.
- *To use information from names and passwords,* turn Names & Passwords on.

  When this feature is on, Safari remembers names and passwords of websites you visit and automatically fills in the information when you revisit the website.
- *To remove all AutoFill information,* tap Clear All.

Security

By default, Safari is set to show features of the web, such as some movies, animation, and web applications. You may wish to change security settings to help protect iPhone from possible security risks on the Internet.

Change security settings: Choose Safari, then do one of the following:

- *To set whether you're warned when visiting potentially fraudulent websites,* turn Fraud Warning on or off.

  Fraud warning protects you from potentially fraudulent Internet sites. When you visit a suspicious site, Safari warns you about its suspect nature and doesn't load the page.
- *To enable or disable JavaScript,* turn JavaScript on or off.

  JavaScript lets web programmers control elements of the page—for example, a page that uses JavaScript might display the current date and time or cause a linked page to appear in a new pop-up page.
- *To enable or disable plug-ins,* turn Plug-ins on or off. Plug-ins allow Safari to play some types of audio and video files and to display Microsoft Word files and Microsoft Excel documents.
- *To block or allow pop-ups,* turn Block Pop-ups on or off. Blocking pop-ups stops only pop-ups that appear when you close a page or open a page by typing its address. It doesn't block pop-ups that open when you tap a link.

- *To set whether Safari accepts cookies,* tap Accept Cookies and choose Never, "From visited," or Always.

  A cookie is a piece of information that a website puts on iPhone so the website can remember you when you visit again. That way, webpages can be customized for you based on information you may have provided.

  Some pages won't work correctly unless iPhone is set to accept cookies.
- *To clear the history of webpages you've visited,* tap Clear History.
- *To clear all cookies from Safari,* tap Clear Cookies.
- *To clear the browser cache,* tap Clear Cache.

  The browser cache stores the content of pages so the pages open faster the next time you visit them. If a page you open doesn't show new content, clearing the cache may help.

Developer

The debug console can help you resolve webpage errors. If it's turned on, the console appears automatically when a webpage error occurs.

Turn the debug console on or off: Choose Safari > Developer, and turn Debug Console on or off.

Messages

Use Messages settings to adjust settings for SMS and MMS messages.

Note: MMS is available only on iPhone 3G or later. The MMS Messaging and Show Subject Field settings doesn't appear if MMS isn't supported by your carrier.

Choose whether or not to see a preview of messages on the Home screen: Choose Messages and turn Show Preview on or off.

Choose whether or not to repeat message alerts: Choose Messages and turn Repeat Alert on or off. If you ignore a message alert, you'll be alerted two more times.

Turn MMS messaging on or off: Choose Messages and turn MMS Messaging on or off. If MMS messaging is turned off, you won't be able to receive MMS file attachments such as images or audio.

Show a subject line for messages you send or receive: Choose Messages and turn Show Subject Field on.

iPod

Use iPod Settings to adjust settings for music and video playback on your iPod.

Music

The Music settings apply to songs, podcasts, and audiobooks.

Turn Shake to Shuffle on or off: Choose iPod, then turn Shake to Shuffle on or off. When Shake to Shuffle is on, you can shake iPhone to turn shuffle on and immediately change the currently playing song.

Set iTunes to play songs at the same sound level: In iTunes, choose iTunes > Preferences if you're using a Mac, or Edit > Preferences if you're using a PC, then click Playback and select Sound Check.

Set iPhone to use the iTunes volume settings (Sound Check): Choose iPod and turn Sound Check on.

Use the equalizer to customize the sound on iPhone: Choose iPod > EQ and choose a setting.

Set a volume limit for music and videos: Choose iPod > Volume Limit and drag the slider to adjust the maximum volume.

Tap Lock Volume Limit to assign a code to prevent the setting from being changed.

Setting a volume limit only limits the volume of music (including podcasts and audiobooks) and videos (including rented movies), and only when headphones, earphones, or speakers are connected to the headset jack on iPhone.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Video

Video settings apply to video content, including rented movies. You can set where to resume playing videos that you previously started, turn closed captioning on or off, and set up iPhone to play videos on your TV.

Set where to resume playing: Choose iPod > Start Playing, then select whether you want videos that you previously started watching to resume playing from the beginning or where you left off.

Turn closed captioning on or off: Choose iPod and turn Closed Captioning on or off.

TV Out

Use these settings to set up how iPhone plays videos on your TV. For more information about using iPhone to play videos on your TV, see "Watching Videos on a TV" on page 84.

Turn widescreen on or off: Choose iPod and turn Widescreen on or off.

Set TV signal to NTSC or PAL: Choose iPod > TV Signal and select NTSC or PAL.

NTSC and PAL are TV broadcast standards. NTSC displays 480i and PAL displays 576i. Your TV might use either of these, depending on where you bought it. If you're not sure which to use, check the documentation that came with your TV.

Photos

Use Photos settings to specify how slideshows display your photos.

Set the length of time each slide is shown: Choose Photos > Play Each Slide For and select the length of time.

Set a transition effect: Choose Photos > Transition and select a transition effect.

Set whether to repeat slideshows: Choose Photos and turn Repeat on or off.

Set photos to appear randomly or in order: Choose Photos and turn Shuffle on or off.

Store

Use Store settings to change or create an iTunes Store account. By default, the iTunes account you're signed in to when you sync iPhone with your computer appears in Store settings. You can change accounts on iPhone to purchase music or applications from another account. If you don't have an iTunes account, you can create one in Store settings.

Sign in to an account: Choose Store and tap Sign in, then enter your user name and password.

View your iTunes Store account information: Choose Store and tap View Account, then type your password and follow the onscreen instructions.

Sign in to a different account: Choose Store and tap Sign out, then tap Sign in and enter your username and password.

Create a new account: Choose Store and tap Create New Account, then follow the onscreen instructions.

Nike + iPod

Use Nike + iPod settings to activate and adjust settings for the Nike + iPod application (iPhone 3GS only). See Chapter 24, "Nike + iPod," on page 180.

iTunes Store

20



About the iTunes Store

You can search for, browse, preview, purchase, and download music, ringtones, audiobooks, TV shows, movies, and music videos from the iTunes Store directly to iPhone. You can listen to audio or watch video podcasts from the iTunes Store, either by streaming them from the Internet or by downloading them directly to iPhone.

Note: The iTunes Store is not available in all regions, and iTunes Store content may vary across regions.

To access the iTunes Store, iPhone must be connected to the Internet. See "Connecting to the Internet" on page 40.

To purchase songs or write reviews, you need an iTunes Store account. By default, iPhone gets your iTunes Store account settings from iTunes. If you don't have an iTunes Store account, or if you want to make purchases from another iTunes Store account, go to Settings > Store. See "Store" on page 159.

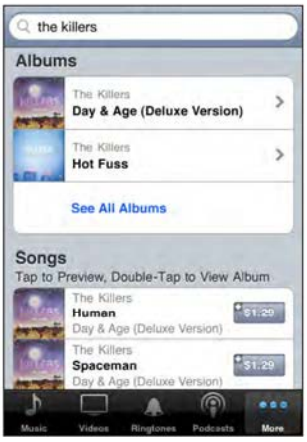
You don't need an iTunes Store account to play or download podcasts.

Finding Music, Videos, and More

Browse content: Tap Music, Videos, Ringtones, or Podcasts. Or tap More to browse by Audiobooks, iTunes U, or Downloads. Choose a sorting method at the top of the screen to browse by lists such as Featured, Top Tens, or Genres.



Search for content: Tap Search, tap the search field and enter one or more words, then tap Search. Search results are grouped by category, such as Movies, Albums, or Podcasts.



Tap an item in a list to see more details on its Info screen. You can read reviews, write your own review, or email a link about the item to a friend. Depending on the item, you can also buy, download, or rent it.

Note: If you join a Starbucks Wi-Fi network in a select Starbucks location (available in the U.S. only), the Starbucks icon appears at the bottom of the screen. You can preview and purchase the currently playing and other songs from featured Starbucks Collections.

Purchasing Ringtones

You can preview and purchase ringtones from the iTunes Store and download them to iPhone.

Note: Ringtones may not be available in all countries.

Browse for ringtones: Tap Ringtones or use Search to find a specific song in the iTunes Store.

Preview a ringtone: Tap the item to preview. Double-tap the item for more information.

Purchase and download ringtones:

1. Tap the price, then tap Buy Now.
2. Sign in to your account as requested, then tap OK.

When you purchase a ringtone, you can set it as your default ringtone, or assign it to a contact.

If you don't have an iTunes Store account, tap Create New Account to set one up.

Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

You can change your default ringtone or assign individual ringtones to contacts in Settings > Sounds. See "Sounds and the Ring/Silent Switch" on page 141.

Ringtones you purchase on iPhone are synced to your iTunes library when you connect iPhone to your computer. You can sync purchased ringtones to more than one iPhone, if they're all synced to the same account you used to purchase the ringtones. You can't edit ringtones you purchase from the iTunes Store.

You can create custom ringtones in Garage Band. For information, see Garage Band Help.

Purchasing Music or Audiobooks

When you find a song, album, or audiobook you like in the iTunes Store, you can purchase and download it to iPhone. You can preview an item before you purchase it to make sure it's what you want.

Preview a song or audiobook: Tap the item.

Purchase and download a song, album, or audiobook:

1. Tap the price, then tap Buy Now.
2. Sign in to your account as requested, then tap OK.

If you don't have an iTunes Store account, tap Create New Account to set one up.

Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

An alert appears if you've previously purchased one or more songs from an album. Tap Buy if you want to purchase the entire album including the songs you've already purchased, or tap Cancel if you want to purchase any remaining songs individually.

Some albums include bonus content, which is downloaded to your iTunes library on your computer. Not all bonus content is downloaded directly to iPhone.

Once you purchase an item it begins downloading and appears in the Downloads screen. See "Checking Download Status" on page 165.

Purchased songs are added to a Purchased playlist on iPhone. If you delete the Purchased playlist, iTunes creates a new one when you buy an item from the iTunes Store.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most iTunes Store screens.

Enter a redemption code: Tap Music, then tap Redeem at the bottom of the screen and follow the onscreen instructions.

Purchasing or Renting Videos

When you find a movie, TV show, or music video you like in the iTunes Store, you can purchase and download it to iPhone. You can purchase movies and TV shows in standard (480p) or high definition (720p) format.

When you purchase a high-definition video on iPhone, a standard definition version compatible with iPod and iPhone immediately downloads for viewing. The high definition version appears in iTunes on your computer in the Downloads queue. You must be signed in to your iTunes Store account on your computer to view and download items from the Downloads queue.

Rented movies are available in standard definition only (not available in all regions). See "Watching Rented Movies" on page 83.

Preview a video: Tap Preview.

Purchase or rent a video:

1. Tap Buy or Rent.
2. Sign in to your account as requested, then tap OK.

   If you don't have an iTunes Store account, tap Create New Account to set one up.

   Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

Once you purchase an item it begins downloading and appears in the Downloads screen. Rented movies won't begin playing until the download completes. See "Checking Download Status" on page 165.

Purchased videos are added to a Purchased playlist on iPhone. If you delete the Purchased playlist, iTunes creates a new one the next time you buy an item from the iTunes Store.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most iTunes Store screens.

Enter a redemption code: Tap Music, then tap Redeem at the bottom of the screen and follow the onscreen instructions.

Streaming or Downloading Podcasts

You can listen to audio podcasts or watch video podcasts streamed over the Internet from the iTunes Store. You can also download audio and video podcasts to iPhone. Podcasts you download to iPhone are synced to your iTunes library when you connect iPhone to your computer.

Tap Podcasts to browse podcasts in the iTunes Store. To see a list of episodes, tap a podcast. Video podcasts are indicated by the icon.

Stream a podcast: Tap the podcast title.

Download a podcast: Tap the Free button, then tap Download. Downloaded podcasts appear in the Podcasts list in iPod.

Listen to or watch a podcast you've downloaded: In iPod, tap Podcasts at the bottom of the screen (you may need to tap More first), then tap the podcast. Video podcasts also appear in your list of videos.

Get more episodes of the podcast you've downloaded: In the Podcasts list in iPod, tap the podcast, then tap Get More Episodes.

Delete a podcast: In the Podcasts list in iPod, swipe left or right over the podcast, then tap Delete.

Checking Download Status

You can check the Downloads screen to see the status of in-progress and scheduled downloads, including purchases you've pre-ordered.

See the status of items being downloaded: Tap Downloads.

To pause a download, tap ⏸.

If a download is interrupted, iPhone starts the download again the next time it has an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in to the same iTunes account).

See the status of pre-ordered items: Tap Downloads.

Pre-ordered items appear in a list until the date the item is released. Tap the item for release date information. Once the item is available for download, a download icon appears next to the download.

Download a pre-ordered item: Tap the item, then tap .

Pre-ordered items don't download automatically when they're released. Return to the Downloads screen to begin the download.

Syncing Purchased Content

iTunes automatically syncs everything you've downloaded or purchased on iPhone to your iTunes library when you connect iPhone to your computer. This lets you access the downloads on your computer and provides a backup if you delete purchased content from iPhone.

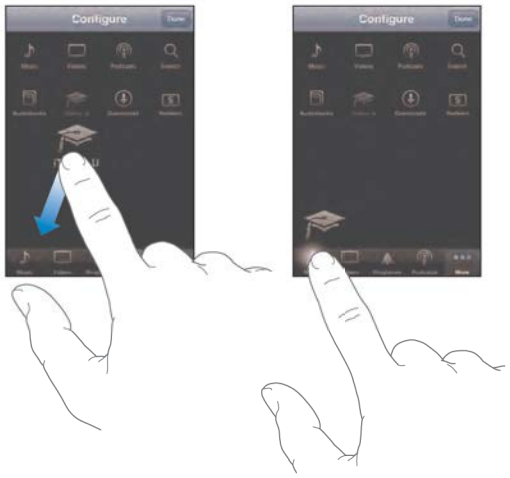
Purchased content is synced to the "Purchased on <name of your iPhone>" playlist. iTunes creates the playlist if it doesn't exist. iTunes also copies your purchases to the Purchased playlist that iTunes uses for purchases you make on your computer, if that playlist exists and is set to sync with iPhone.

Downloaded podcasts are synced to the Podcast list in your iTunes library.

Changing the Browse Buttons

You can replace the Music, Podcasts, Videos, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you download audiobooks often but don't watch many videos, you could replace the Videos button with Audiobooks.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

When you're browsing, tap More to access the browse buttons that aren't visible.

Viewing Account Information

To view your iTunes Store account information on iPhone, tap your account (at the bottom of most iTunes Store screens). Or go to Settings > Store and tap View Account. You must be signed in to view your account information. See "Store" on page 159.

Verifying Purchases

You can use iTunes on your computer to verify that all the music, videos, applications, and other items you bought from the iTunes Store or App Store are in your iTunes library. You might want to do this if a download was interrupted.

Verify your purchases:

1. Make sure your computer is connected to the Internet.
2. In iTunes, choose Store > Check for Available Downloads.
3. Enter your iTunes Store account ID and password, then click Check.

Purchases not yet on your computer are downloaded.

The Purchased playlist displays your purchases. However, because you can add or remove items in this list, it might not be accurate. To see all of your purchases, sign in to your account, choose Store > View My Account, and click Purchase History.

App Store

21



About the App Store

You can search for, browse, review, purchase, and download applications from the App Store directly to iPhone. Applications you download and install from the App Store on iPhone are backed up to your iTunes library the next time you sync iPhone with your computer. You can also install applications you've purchased or downloaded through iTunes on your computer when you sync with iPhone.

Note: The App Store is not available in all regions.

To use the App Store, iPhone must be connected to the Internet. See "Connecting to the Internet" on page 40. You also need an iTunes Store account (not available in some countries) to download applications. By default, iPhone gets your iTunes Store account settings from iTunes. If you don't have an iTunes Store account, or if you want to make purchases from another iTunes Store account, go to Settings > Store. See "Store" on page 159.

Browsing and Searching

Browse the featured selections to see new, notable, or recommended applications, or browse Top 25 to see the most popular applications. If you're looking for a specific application, use Search.

Browse applications: Tap Featured, Categories, or Top 25. Choose a category, or choose a sorting method at the top of the screen to browse by lists such as New, What's Hot, Genius, Top Paid, or Top Free.



Browse using Genius: Tap Genius to see a list of recommended apps based on what's already in your app collection. To turn Genius on, follow the onscreen instructions. Genius is a free service, but it requires an iTunes Store account.

Search for applications: Tap Search, tap the search field and enter one or more words, then tap Search.



Info Screen

Tap any application in a list to see more information, such as the application's price, screenshots, ratings, and other information.



If you've already installed the application, "Installed" appears instead of the price on the Info screen.

Email a link to the application's Info page in iTunes: Tap "Tell a Friend" near the bottom of the Info screen.



View screenshots: Swipe left or right over a screenshot to view additional screenshot pages. Double-tap to zoom in.

Get ratings and read reviews: Tap Ratings near the bottom of the Info screen.

Report a problem: Tap "Report a Problem" near the bottom of the Info screen. Select a problem from the list or type optional comments, then tap Report.

Downloading Applications

When you find an application you want in the App Store, you can purchase and download it to iPhone. If the application is free, you can download it without charge after providing your iTunes account information.

Once you download an application, it's immediately installed on iPhone.

Purchase and download an application:

1. Tap the price (or tap Free), then tap Buy Now.
2. Sign in to your account as requested, then tap OK.

   If you don't have an iTunes Store account, tap Create New Account to set one up.

Downloads for purchase are charged to your iTunes Store account. For additional downloads made within the next fifteen minutes, you don't have to enter your password again.

Some applications allow you to make purchases within the application. You can restrict in-app purchases in Settings. See "Restrictions" on page 146.

Some applications use push notifications to alert you of new information, even when the application isn't running. Notifications differ depending upon the application, but may include text or sound alerts, and a numbered badge on the application's icon on the Home screen. See "Notifications" on page 140.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most App Store screens.

Enter a redemption code: Tap Redeem near the bottom of the Featured screen, then follow the onscreen instructions.

See the status of downloading applications: After you begin downloading an application, its icon appears on the Home screen and shows a progress indicator.



If a download is interrupted, iPhone starts the download again the next time it has an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in to the same iTunes account).

Deleting Applications

You can delete applications you've installed from the App Store. If you delete an application, data associated with the application will no longer be available to iPhone, unless you reinstall the application and restore its data from a backup.

You can reinstall an application and restore its data as long as you backed up iPhone with iTunes on your computer. (If you try to delete an application that hasn't been backed up to your computer, an alert appears.) To retrieve the application data, you must restore iPhone from a backup containing the data. See "Restoring from a Backup" on page 203.

Delete an App Store application:

1. Touch and hold any application icon on the Home screen until the icons start to wiggle.
2. Tap ⊗ in the corner of the application you want to delete.
3. Tap Delete, then press the Home ▢ button to save your arrangement.

When you delete an application, its data is no longer accessible via the iPhone user interface, but it isn't erased from your iPhone. For information about erasing all content and settings, see "Erase All Content and Settings" in iPhone settings. See "Resetting iPhone" on page 149.

Writing Reviews

You can write and submit your own application reviews directly on iPhone.

Write a review:

1. Tap Ratings near the bottom of the Info screen.
2. On the Reviews screen, tap "Write a Review."
3. Select the number of stars (1–5) for your rating of the application, and enter your nickname, a title for the review, and optional review comments. If you've written reviews before, the nickname field is already filled in. Otherwise, you're asked to create a reviewer nickname.
4. Tap Send.

You must be signed in to your iTunes Store account and have purchased or downloaded the item in order to submit reviews.

Updating Applications

Whenever you access the App Store, it checks for updates to applications you've installed. The App Store also automatically checks for updates every week. The App Store icon shows the total number of application updates available.



If an update is available and you access the App Store, the Updates screen appears immediately. Application updates are downloaded and automatically installed when you choose to update them. Application upgrades are new releases that can be purchased or downloaded through the App Store on iPhone or the iTunes Store on your computer.

Update an application:

1. At the bottom of the screen, tap Updates.
2. Tap an application to see more information about the update.
3. Tap Update.

Update all applications: At the bottom of the screen, tap Updates, then tap Update All.

If you try to update an application purchased from a different iTunes Store account, you're prompted for that account's ID and password in order to download the update.

Syncing Purchased Applications

iTunes automatically syncs applications you've downloaded or purchased on iPhone to your iTunes library when you connect iPhone to your computer. This lets you access the downloads on your computer and provides a backup if you delete applications from iPhone.

Downloaded applications are backed up the next time you sync with iTunes. Afterwards, only application data is backed up when you sync with iTunes.

Applications are synced to the Applications list in your iTunes library. iTunes creates the list if it doesn't exist.

Compass

22



Getting Compass Readings

The built-in compass (iPhone 3GS only) shows which direction you're facing, along with the geographical coordinates of your current location. You can choose magnetic north, or have Compass adjust the declination to show true north.

Important: The accuracy of digital compass headings may be negatively affected by magnetic or other environmental interference, including interference caused by the close proximity of the magnets contained in the iPhone earbuds. The digital compass should only be used for basic navigation assistance and should not be solely relied on to determine precise locations, proximity, distance, or direction.

The compass needs to be calibrated the first time you use it, and may need to be calibrated occasionally after that. iPhone alerts you whenever calibration is needed.

Calibrate iPhone: Wave iPhone in a figure eight. You may be asked to move away from a source of interference.



173

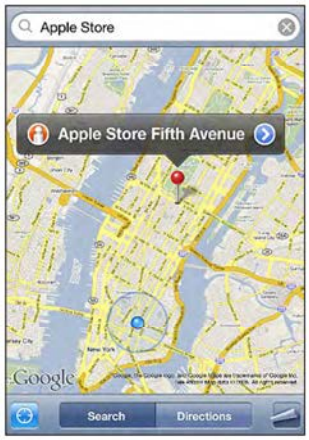
See which way you're facing: Hold iPhone level to the ground. The compass needle rotates to point north. Your current direction appears at the top of the screen. The coordinates of your current location are displayed at the bottom of the screen.

Switch between true north and magnetic north: Tap ⓘ and tap the setting you want.

Compass and Maps

The ⌖ icon at the bottom of the Compass screen lets you find your current location in Maps. Maps also takes advantage of the built-in compass to show which way you're facing.

See your current location in Maps: Tap ⌖. Maps opens and indicates your current location with a blue marker.



Show which way you're facing: In Maps, tap again. (The icon changes to .) The angle shows the accuracy of the compass reading—the smaller the angle, the greater the accuracy.



See "Finding and Viewing Locations" on page 114.

Contacts

23



About Contacts

Contact makes it easy to call, email, and text your friends and associates with iPhone. You can add contacts directly on iPhone, or sync contacts from applications on your computer, or with your MobileMe, Microsoft Exchange, Google, or Yahoo! accounts.

You can open Contacts directly from the Home screen, or from within the Phone application.

Adding Contacts

You can add contacts to iPhone in the following ways:

- In iTunes, sync contacts from Google or Yahoo!, or sync with applications on your computer (see "Syncing" on page 11)
- Set up MobileMe or Microsoft Exchange accounts on iPhone, with Contacts enabled (see "Setting Up Accounts" on page 16)
- Install a profile that sets up an Exchange account, with Contacts enabled (see "Installing Configuration Profiles" on page 18)
- Set up an LDAP account on iPhone
- Enter contacts directly on iPhone
- Import contacts from a SIM

The number of contacts you can add is limited only by the amount of memory on iPhone.

176

Set up an LDAP account:

1. In Settings, tap "Mail Contacts, Calendars," then tap Add Account.
2. Tap Other, then tap Add LDAP Account.
3. Enter your LDAP account information and tap Next to verify the account.
4. Tap Save.

When you set up an LDAP account, you can view and search for contacts on your company or organization's LDAP server. The server appears as a new group in Contacts. Since LDAP contacts aren't downloaded to iPhone, you must have an Internet connection to view them. Check with your system administrator for specific account settings and other requirements (such as VPN).

Import contacts from another phone's SIM: In Settings, tap "Mail, Contacts, Calendars," then tap Import SIM Contacts.

The contact information on the SIM is imported to iPhone. If you have Contacts enabled for both MobileMe and Microsoft Exchange, you're prompted to choose which account you want to add the SIM contacts to.

Important: iPhone doesn't store contacts on its SIM.

Searching Contacts

You can search first, last, and company names in your contacts on iPhone. If you have a Microsoft Exchange account set up on iPhone, you may also be able to search your enterprise Global Address List (GAL) for contacts in your organization. If you have an LDAP account set up on iPhone, you can search contacts on your organization's LDAP server.

When you enter search information, contacts with matching information appear immediately as you start to type.

Search contacts: In Contacts, tap the search field at the top of any list of contacts and enter a first, last, or company name. (To scroll quickly to the top of the list, tap the status bar.)

Search a GAL: Tap Groups, tap Directories at the bottom of the list, then enter a first, last, or company name.

You can't edit GAL contacts or save them to iPhone.

Search an LDAP server: Tap Groups, tap the LDAP server name, then enter a first, last, or company name.

You can't edit LDAP contacts or save them to iPhone.

Managing Contacts on iPhone

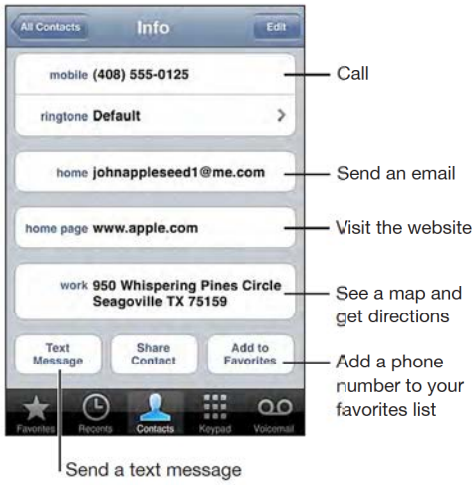
Add a contact on iPhone: Tap Contacts and tap +.

Delete a contact	In Contacts, choose a contact, than tap Edit. Scroll down and tap Delete Contact.
Add a contact from the keypad	Tap Keypad, enter a number, then tap +. Tap Create New Contact and enter the caller's information, or tap "Add to Existing Contact" and choose a contact.
Edit contact information	In Contacts, choose a contact, then tap Edit. To add an item, tap ⊕. To delete an item, tap ⊖.
Enter a pause in a number	Tap +**#, then tap Pause. One or more pauses may be required by a phone system before dialing an extension, for example. Pauses appear as commas when the number is saved.
Add a recent caller's phone number to your contacts	Tap Recents and tap ⓘ next to the number. Then tap Create New Contact, or tap "Add to Existing Contact" and choose a contact.

Assign a photo to a contact:

1. Tap Contacts and choose a contact.
2. Tap Edit and tap Add Photo, or tap the existing photo.
3. Tap Take Photo to use the camera. Or tap Choose Existing Photo and choose a photo.
4. Drag and scale the photo as desired.
5. Tap Set Photo.

Use a contact's info screen: Tap Contacts and choose a contact. Then tap an item.



Note: The Contacts screen shown here includes the buttons across the bottom that are available when you view Contacts from within the Phone application. These buttons don't appear if you open Contacts directly from the Home screen.

A star next to a phone number means the number is in your favorites list.

See your own phone number: Tap Contacts and scroll to the top of the list. (Not available in all regions.)

Nike + iPod

24

Activating Nike + iPod

When activated in Settings, the Nike + iPod application appears on the Home screen (iPhone 3GS only). With a Nike + iPod Sensor (sold separately), the Nike + iPod application provides audible feedback on your speed, distance, time elapsed, and calories burned during a running or walking workout. When iPhone is connected to iTunes on your computer, you can send your workout information to Nikeplus.com, where you can track your progress, set goals, and participate in challenges.



See the Nike + iPod documentation for information about activating and using Nike + iPod.

Turn Nike + iPod on or off: In Settings, choose Nike + iPod and turn Nike + iPod on or off. When Nike + iPod is turned on, its icon appears on the Home screen.

180

Additional Nike + iPod Settings

In Settings, choose Nike + iPod to activate and adjust settings for the Nike + iPod application.

Choose a PowerSong: Choose PowerSong and select a song from your music library.

Turn spoken feedback on or off: Choose Spoken Feedback and select a male or female voice to accompany your workout, or Off to turn off spoken feedback.

Set a distance preference: Choose Distance, then select Miles or Kilometers to measure your workout distance.

Set your weight: Choose Weight, then flick to enter your weight.

Set the screen orientation: Choose Lock Screen, then select a screen orientation preference.

Set up the Nike + iPod Sensor: Choose Sensor, then follow the onscreen instructions to set up your sensor (sold separately).

You can use a Nike+ compatible remote (sold separately) to control Nike + iPod wirelessly. Before using a remote for the first time, you must set it up on iPhone.

Set up the Nike + iPod remote: Choose Remote, then follow the onscreen instructions to set up your remote (third-party product sold separately).

Accessibility

25

Accessibility Features

In addition to the many features that make iPhone easy to use for everyone, accessibility features (available only on iPhone 3GS) are designed to make it easier for users with visual, auditory, or other physical disabilities to use iPhone. These accessibility features include:

- VoiceOver
- Zoom
- White on Black
- Mono Audio
- Speak Auto-text

With the exception of VoiceOver, these accessibility features work with all iPhone applications, including third-party applications you download from the App Store. VoiceOver works with all applications that come preinstalled on iPhone. In addition, third-party developers can use the iPhone Accessibility API to make their applications accessible for VoiceOver users.

For more information about the accessibility features of iPhone, go to www.apple.com/accessibility.

Each accessibility feature can be turned on or off in the Accessibility settings on iPhone. You can also turn accessibility features on or off in iTunes when iPhone is connected to your computer.

Turn accessibility features on or off in iTunes:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. In the Summary pane, click Configure Universal Access in the Options section.

182

4 Select the accessibility features that you want to use and click OK.



VoiceOver

VoiceOver describes aloud what appears onscreen, so that you can use iPhone without seeing it. VoiceOver speaks in the language specified in International settings, which may be influenced by the Region Locale setting.

Note: VoiceOver isn't available in all languages.

VoiceOver tells you about each element on the screen as it's selected. When an element is selected, it's enclosed by a black rectangle (for the benefit of those who can see the screen) and VoiceOver speaks the name or describes the item. The enclosing rectangle is referred to as the VoiceOver cursor. If text is selected, VoiceOver reads the text. If a control (such as a button or switch) is selected and Speak Hints is turned on, VoiceOver may tell you the action of the item or provide instructions for you—for example, "double-tap to open."

When you go to a new screen, VoiceOver plays a sound and automatically selects and speaks the first element of the screen (typically, the item in the upper-left corner). VoiceOver also lets you know when the display changes to landscape or portrait, and when the screen is locked or unlocked.

Setting Up VoiceOver

Important: VoiceOver changes the gestures used to control iPhone. Once VoiceOver is turned on, you have to use VoiceOver gestures to operate iPhone—even to turn VoiceOver off again to resume standard operation.

Turn VoiceOver on or off: In Settings, choose General > Accessibility > VoiceOver and tap the VoiceOver On/Off switch.

You can also set Triple-click Home to turn VoiceOver on or off. See "Triple-click Home" on page 191.

Note: You cannot use VoiceOver and Zoom at the same time.

Turn spoken hints on or off: In Settings, choose General > Accessibility > VoiceOver, and tap the Speak Hints On/Off switch. Spoken hints are turned on by default.

Set the VoiceOver speaking rate: In Settings, choose General > Accessibility > VoiceOver, and adjust the Speaking Rate slider.

You can choose what kind of feedback you get when you type. You can set VoiceOver to speak characters, words, both, or nothing. If you choose to hear both characters and words, VoiceOver speaks each character as you type it, then speaks the whole word when you finish it by entering a space or punctuation.

Choose typing feedback: In Settings, choose General > Accessibility > VoiceOver > Typing Feedback, then choose Characters, Words, Characters and Words, or Nothing.

Change the language spoken by VoiceOver: In Settings, choose General > International > Language, then select a language and tap OK. Some languages may be influenced by the Region Local setting. In Settings, choose General > International > Region Format and select the format.

Note: VoiceOver isn't available in all languages.

Practice gestures: In Settings, choose General > Accessibility > VoiceOver > Practice Gestures, then tap Practice VoiceOver Gestures. Practice the gestures described in "VoiceOver Gestures," below. When you're finished practicing, tap Done.

VoiceOver Gestures

When VoiceOver is turned on, the standard touchscreen gestures have different effects. These and some additional gestures allow you to move around the screen and to control the individual elements when they're selected. VoiceOver gestures include using two and three fingers to tap or flick. For best results when using two- and three-finger gestures, relax and let your fingers touch the screen with some space between your fingers.

You can use standard gestures when VoiceOver is turned on, by double-tapping and holding your finger on the screen. A series of tones indicates that normal gestures are in force. They remain in effect until you lift your finger. Then VoiceOver gestures resume.

You can use many different techniques to enter VoiceOver gestures. For example, you can enter a two-finger tap using two fingers from one hand, or one finger from each hand. You can also use your thumbs. Try different techniques to discover which works best for you.

If your gestures don't work, try quicker movements, especially for double-tap and flicking gestures. To flick, try quickly brushing the screen with your finger or fingers. You can practice VoiceOver gestures in Settings: choose General > Accessibility > VoiceOver > Practice Gestures and tap the Practice VoiceOver Gestures button.

Here's a summary of key VoiceOver gestures:

Navigate and Read

- *Tap:* Speak item.
- *Flick right or left:* Select the next or previous item.
- *Flick up or down:* Depends on the Rotor Control setting. See "Rotor Control" on page 185.
- *Two-finger tap:* Stop speaking the current item.
- *Two-finger flick up:* Read all from top of screen.
- *Two-finger flick down:* Read all from current position.
- *Three-finger flick up or down:* Scroll one page at a time.
- *Three-finger flick right or left:* Go to the next or previous page (such as the Home screen, Stocks, or Safari).
- *Three-finger tap:* Speak the scroll status (which page or rows are visible).

Select and Activate

- *Double-tap:* Activate selected item.
- *Touch an item with one finger, tap the screen with another finger ("split-tapping"):* Activate item.
- *Double-tap and hold (1 second) + standard gesture:* Use a standard gesture.

  The double-tap and hold gesture tells iPhone to interpret the subsequent gesture as standard. For example, you can double-tap and hold, then without lifting your finger, drag your finger to slide a switch.
- *Two-finger double tap:* Answer or end a call. Play or pause in iPod, YouTube, Voice Memos, or Photos. Take a picture (Camera). Start or pause recording in Camera or Voice Memos. Start or stop the stopwatch.
- *Three-finger double tap:* Mute or unmute VoiceOver.
- *Three-finger triple tap:* Turn the display on or off.

Do single-finger flicking gestures quickly, to distinguish them from dragging gestures.

Rotor Control

The rotor control is an invisible dial that you can use to change the results of up and down flick gestures when VoiceOver is turned on.

Operate the rotor: Rotate two fingers on the iPhone screen to "turn" the dial to choose between options.

The effect of the rotor depends on what you're doing. For example, if you're reading text in an email you received, you can use the rotor to switch between hearing text spoken word-by-word or character-by-character when you flick up or down. If you're browsing a webpage, use the rotor to choose whether you hear text word-by-word or character-by-character, hear just the headers, hear just the links (all of them, visited links, or links not yet visited), hear form elements, or hear descriptions of images. In other words, you can use the rotor setting to hear all the text, or to jump from one element to another of a certain type, such as headers or links.

Rotor options depend on the context of what you're doing.

Reading text

- Select and hear text character-by-character
- Select and hear text word-by-word

Browsing a webpage

- Select and hear text character-by-character
- Select and hear text word-by-word
- Select and hear headers
- Select and hear links
- Select and hear form controls
- Select and hear visited links
- Select and hear links not visited
- Select and hear images
- Select and hear static text
- Zoom in or out

Entering text

- Move insertion point and hear text character-by-character
- Move insertion point and text word-by-word
- Text editing functions
- Auto-text

Using a control (such as the spinner for setting the time in Clock)

- Select and hear value character-by-character
- Select and hear value word-by-word
- Adjust the value of the control object

Using VoiceOver

Select items on the screen: Drag your finger over the screen. VoiceOver identifies each element as you touch it. You can also move systematically from one element to the next by flicking left or right with a single finger. Elements are selected from left-to-right, top-to-bottom. Flick right to go to the next element, or flick left to go to the previous element.

"Tap" a selected item when VoiceOver is turned on: Double-tap anywhere on the screen.

Speak the text of an element, character by character or word by word: With the element selected, flick up or down with one finger. Flick down to read the next character, or flick up to read the previous character. Twist the rotor control to read word by word.

Adjust a slider: With a single finger, flick up to increase the setting or down to decrease the setting. VoiceOver announces the setting as you adjust it.

Scroll a list or area of the screen: Flick up or down with three fingers. Flick down to page down through the list, or flick up to page up through the list. When paging through a list, VoiceOver speaks the range of items displayed (for example, "showing rows 5 through 10").

You can also scroll continuously through a list, instead of paging through it. Double-tap and hold. When you hear a series of tones, you can move your finger up or down to scroll the list. Continuous scrolling stops when you lift your finger.

Use a list index: Some lists have an alphabetical index along the right side. The index cannot be selected by flicking between elements; you must touch the index directly to select it. With the index selected, flick up or down to move along the index. You can also double-tap, then slide your finger up or down.

Unlock iPhone: Select the Unlock switch, then double-tap the screen.

Rearrange the Home screen: On the Home screen select the icon you want to move. Double-tap and hold, then drag the icon. VoiceOver speaks the row and column position as your drag the icon. Release the icon when it's in the location you want. You can drag additional icons. Drag an item to the left or right edge of the screen to move it to another page of the Home screen. When you're finished rearranging the icons, press the Home ▢ button.

Mute VoiceOver	Double-tap with three fingers. Double-tap again with three fingers to turn speaking back on. To turn off only VoiceOver sounds, set the Ring/Silent switch to Silent.
Stop speaking an item	Tap once with two fingers. Tap again with two fingers to resume speaking. Speaking automatically resumes when you select another item.
Turn off the display while you use VoiceOver	Triple-tap with three fingers. Triple-tap again with three fingers to turn on the display again.
Speak entire screen from the top	Flick up with two fingers.
Speak from current item to bottom of screen	Flick down with two fingers.

Status information about iPhone can be heard by touching the top of the screen. This can include the time, battery life, Wi-Fi signal strength, and more.

Entering and Editing Text

When you select a text field with VoiceOver, you can use the onscreen keyboard to enter text. You can use the editing features of iPhone to cut, copy, or paste in the text field.

Note: Safari doesn't support copying webpage content. The editing features work only in editable text fields.

Enter text:

1 Use VoiceOver to select an editable text field, then double tap to display the insertion point and bring up the onscreen keyboard. If the field already contains text, the insertion point is placed at the beginning or at the end of the text. Double-tap again to place the insertion point at the opposite end. VoiceOver tells you the position of the insertion point.

The insertion point and onscreen keyboard may appear automatically when you select a text field. VoiceOver announces when you're in editing mode.

2 To type, select a key on the keyboard by flicking left or right, then double-tap to enter the character. Or drag you finger around the keyboard to select a key, and, while holding the key with one finger, tap the screen with another finger to enter the character. VoiceOver speaks the key when it's selected, and again when it's entered.

To enter an accented character, double-tap and hold until you hear a sound that indicates the alternate characters have appeared, then drag left or right to select and hear the choices. Release your finger to enter the current selection.

Move the insertion point: Flick up or down to move the insertion point forward or backward in the text. VoiceOver makes a sound when the insertion point moves, and speaks the character that the insertion point moved across. Use the rotor to choose whether you want to move the insertion point by character or by word.

Select text: Use the rotor to choose edit. Flick up or down to choose between the Select and Select All functions, then double tap. If you chose Select, the word closest to the insertion point is selected when you double-tap. If you chose Select All, the entire text is selected.

Pinch to increase or decrease the selection.

Cut, Copy, or Paste: Make sure the rotor is set to edit. With text selected, flick up or down to choose Cut, Copy, or Paste, then double-tap.

Undo: Shake iPhone, flick left or right to choose the action to undo, then double-tap.

Using Maps

With VoiceOver, you can zoom in or out, select pins, and get information about locations.

Zoom in or out: Use the rotor to choose zoom mode, then flick up or down to zoom in or out.

Select a pin: Touch a pin, or flick left or right to move from one item to another.

Get information about a location: With a pin selected, double-tap to display the information flag. Flick left or right to select the flag, then double-tap to display the information page.

Editing Videos and Voice Memos

You can use VoiceOver gestures to trim Camera videos and Voice Memo recordings.

Trim a voice memo: On the Voice Memos screen, select the button to the right of the memo you want to trim, then double-tap. Then select Trim Memo and double-tap. Select the beginning or end of the trim tool. Flick up to drag to the right, or flick down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To execute the trim, select Trim Voice Memo and double-tap.

Trim a video: While viewing a video, double-tap the screen to display the video controls. Select the beginning or end of the trim tool. Then flick up to drag to the right, or flick down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To execute the trim, select Trim and double-tap.

Zoom

Many iPhone applications let you zoom in and out specific elements. For example, you can double-tap or use the pinch gesture to expand webpage columns in Safari. Zoom is a special accessibility feature that lets you magnify the entire screen of any application you're using to help you see what's on the display.

Turn Zoom on or off: In Settings, choose General > Accessibility > Zoom and tap the Zoom On/Off switch.

Note: You cannot use VoiceOver and Zoom at the same time.

Zoom in or out: Double-tap the screen with three fingers. By default, the screen is magnified by 200 percent. If you manually change the magnification (by using the tap-and-drag gesture, described below), iPhone automatically returns to that magnification when you zoom in by double-tapping with three fingers.

Increase magnification: With three fingers, tap and drag toward the top of the screen (to increase magnification) or toward the bottom of the screen (to decrease magnification). The tap-and-drag gesture is similar to a double-tap, except you don't lift your fingers on the second tap—instead, drag your fingers on the screen. Once you start dragging, you can drag with a single finger.

Move around the screen: When zoomed in, drag or flick the screen with three fingers. Once you start dragging, you can drag with a single finger so that you can see more of the screen. Hold a single finger near the edge of the display to pan to that side of the screen image. Move your finger closer to the edge to pan more quickly. When you open a new screen, Zoom always goes to the top-middle of the screen.

White on Black

Use White on Black to invert the colors on the iPhone display, which may make it easier to read the screen. The screen looks like a photographic negative when White on Black is turned on.

Invert the screen's colors: In Settings, choose General > Accessibility and tap the "White on Black" switch.

Mono Audio

Mono Audio combines the sound of the left and right channels into a mono signal played on both sides. This enables users with hearing impairment in one ear to hear the entire sound signal with the other ear.

Turn Mono Audio on or off: In Settings, choose General > Accessibility and tap the Mono Audio switch.

Speak Auto-text

Speak Auto-text speaks the text corrections and suggestions iPhone makes when you're typing.

Turn Speak Auto-text on or off: In Settings, choose General > Accessibility and tap the Speak Auto-text switch.

Speak Auto-text also works with VoiceOver or Zoom.

Triple-click Home

Triple-click Home provides an easy way to turn some of the Accessibility features on or off when you press the Home ▢ button quickly three times. You can set Triple-click Home to turn VoiceOver on or off, turn White on Black on or off, or present the options to:

- Turn VoiceOver on or off
- Turn Zoom on or off
- Turn White on Black on or off

Triple-click Home is turned off by default.

Set the Triple-click Home function: In Settings, choose General > Accessibility > Triple-click Home and choose the function you want.

Closed Captioning and Other Helpful Features

Many features available on all models of iPhone help make iPhone accessible to all users, including those with visual or auditory impairments.

Closed Captioning

You can turn on closed captioning for videos in iPod settings. See "Video" on page 158.

Voice Control

Voice Control (available only on iPhone 3GS) lets you make phone calls and control iPod music playback by using voice commands. See "Voice Dialing" on page 48, and "Using Voice Control with iPod" on page 77.

Large Phone Keypad

Make phone calls simply by tapping entries in your contacts and favorites lists. When you need to dial a number, iPhone's large numeric keypad makes it easy. See "Phone Calls" on page 47.

Widescreen Keyboards

Several applications let you rotate iPhone when you're typing so that you can use a larger keyboard:

- Mail
- Safari
- Messages
- Notes
- Contacts

Visual Voicemail

The play and pause controls in visual voicemail let you control the playback of messages. Drag the playhead on the scrubber bar to repeat a portion of the message that's hard to understand. See "Checking Voicemail" on page 52.

Assignable Ringtones

You can assign distinctive ringtones to individuals in your contacts list for audible caller ID. You can purchase ringtones from the iTunes Store on iPhone. See "Purchasing Ringtones" on page 162.

Instant Messaging (IM) Chat

The App Store features many Internet Messaging (IM) applications such as AIM, BeejiveIM, ICQ, and Yahoo! Messenger that are optimized for iPhone.

Minimum Font Size for Mail Messages

To increase readability, set a minimum font size for Mail message text to Large, Extra Large, or Giant. See "Mail" on page 152.

TTY Support (Available in Some Areas)

Use iPhone in TTY mode with the iPhone TTY Adapter (available separately) to use a Teletype (TTY) machine. See "Using iPhone with a Teletype (TTY) Machine" on page 154.

Universal Access in Mac OS X

Take advantage of the Universal Access features in Mac OS X when you use iTunes to sync information and content from your iTunes library to iPhone. In the Finder, choose Help > Mac Help, then search for "universal access."

For more information about iPhone and Mac OS X accessibility features, go to www.apple.com/accessibility.

Troubleshooting

A Appendix

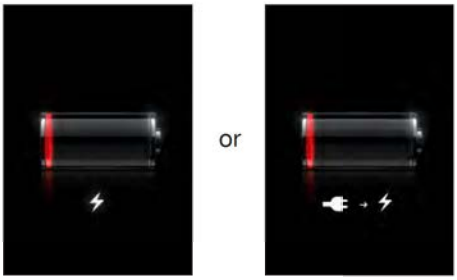
Apple iPhone Support Site

Comprehensive support information is available online at www.apple.com/support/iphone.

General

Low-Battery Image Appears

iPhone is low on power and needs to charge for up to ten minutes before you can use it. For information about charging iPhone, see "Charging the Battery" on page 43.



iPhone Doesn't Respond

- iPhone may be low on power. Connect iPhone to your computer or to its power adapter to charge. See "Charging the Battery" on page 43.
- Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, and then press and hold the Home button until the application you were using quits.
- If that doesn't work, turn iPhone off, then turn it on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, and then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears.
- If that doesn't work, reset iPhone. Press and hold both the Sleep/Wake button and the Home ▢ button for at least ten seconds, until the Apple logo appears.

iPhone Still Doesn't Respond After Reset

- Reset iPhone settings. From the Home screen choose Settings > General > Reset > Reset All Settings. All your preferences are reset, but your data and media aren't deleted.
- If that doesn't work, erase all content on iPhone. See "Resetting iPhone" on page 149.
- If that doesn't work, restore the iPhone software. See "Updating and Restoring iPhone Software" on page 204.

"This accessory is not made to work with iPhone" Appears

Make sure the dock connector is free of debris.

If you connect iPhone to an accessory not specifically made for it, iPhone may ask if you want to turn on airplane mode. This is to eliminate radio interference from cellular signals coming from iPhone. You may be able to use iPhone with the accessory whether or not you turn on airplane mode. However, the accessory may not charge iPhone.

If you turn on airplane mode, you won't be able to make calls, send or receive text messages, access the Internet, or use Bluetooth devices with iPhone until you disconnect iPhone from the accessory or turn off airplane mode.

"This accessory is not supported by iPhone" Appears

The accessory you attached may not work with iPhone. Make sure the dock connector is free of debris.

Connect-to-iTunes Screen Appears

iPhone needs to be activated. Connect iPhone to your computer and open iTunes if it doesn't open automatically.

iPhone Is Too Warm

If the interior temperature of iPhone 3G or later exceeds normal operating temperatures, you may experience the following as it attempts to regulate its temperature:

- iPhone stops charging
- the display dims
- the cellular signal is weak
- a temperature warning screen appears

Important: You cannot use iPhone while the temperature warning screen is displayed except to make an emergency call. If none of the above measures succeeds in lowering the internal temperature, iPhone automatically goes into a deep sleep mode until it cools. You cannot make an emergency call when iPhone is in this mode. Move iPhone to a cooler location and wait a few minutes before trying to use iPhone again.

iTunes and Syncing

iPhone Doesn't Appear in iTunes

- The iPhone battery might need to be recharged. For information about charging iPhone, see "Charging the Battery" on page 43.
- Disconnect other USB devices from your computer and connect iPhone to a different USB 2.0 port on your computer (not on your keyboard).
- Turn iPhone off and back on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears. Tap Unlock and enter your SIM's PIN if the SIM is locked.

  Important: If you enter the PIN incorrectly three times, you may need to enter a Personal Unlocking Key (PUK) to enable your SIM card again. Refer to the SIM card documentation or contact your carrier.
- Restart your computer and reconnect iPhone to your computer.
- Download and install (or reinstall) the latest version of iTunes from www.apple.com/itunes.

Syncing Doesn't Work

- The iPhone battery might need to be recharged. For information about charging iPhone, see "Charging the Battery" on page 43.
- Disconnect other USB devices from your computer and connect iPhone to a different USB 2.0 port on your computer (not on your keyboard).
- Turn iPhone off and back on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears. Tap Unlock and enter your SIM's PIN if the SIM is locked.

  Important: If you enter the PIN incorrectly three times, you may need to enter a Personal Unlocking Key (PUK) to enable your SIM card again. Refer to the SIM card documentation or contact your carrier.
- Restart your computer and reconnect iPhone to your computer.
- Download and install (or reinstall) the latest version of iTunes from www.apple.com/itunes.

Contacts, Calendars, or Bookmarks Don't Sync

- Download and install (or reinstall) the latest version of iTunes from www.apple.com/itunes.

Yahoo! or Google Contacts Doesn't Sync

iTunes may not be able to connect with Yahoo! or Google. Make sure your computer is connected to the Internet, and that you've entered the correct ID and password in iTunes. Connect iPhone to your computer, click the Info tab in iTunes, click Configure in the Contacts section, then enter your current ID and password.

Yahoo! Address Book Still Has Contacts Deleted From iPhone

Yahoo! Address Book doesn't allow contacts containing a Messenger ID to be deleted through syncing. To delete a contact containing a Messenger ID, log in to your Yahoo! account online and delete the contact using Yahoo! Address Book.

Phone and Voicemail

Can't Make or Receive Calls

- Check the cell signal icon in the status bar at the top of the screen. If there are no bars, or if it says "No service," try moving to a different location. If you're indoors, try going outdoors or moving closer to a window.
- Check to make sure you're in an area with network coverage. Go to your carrier's website to see network coverage areas.
- Make sure airplane mode isn't on. From the Home screen choose Settings, then turn airplane mode off. If that doesn't work, turn airplane mode on, wait 15 seconds, then turn airplane mode off again.
- Turn iPhone off and back on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears. Tap Unlock and enter your SIM's PIN if the SIM is locked.

  Important: If you enter the PIN incorrectly three times, you may need to enter a Personal Unlocking Key (PUK) to enable your SIM card again. Refer to the SIM card documentation or contact your carrier.
- There may be a problem with your wireless service. Call your carrier or go to your carrier's website.
- Restore the iPhone software. See "Updating and Restoring iPhone Software" on page 204.

Visual Voicemail Isn't Available

Visual Voicemail is delivered over the cellular data network. Because Data Roaming is turned off by default, you may not have access to the Internet when traveling abroad unless you turn Data Roaming on. In Settings choose General > Network, then tap Data Roaming.

Important: Data roaming charges may apply when Data Roaming is on.

Visual Voicemail may be an optional service in some countries. Contact your carrier for more information.

You Can't Remember Your Voicemail Password

If iPhone prompts you for your password when you tap Voicemail and you don't remember your password, tap ? for instructions on resetting it.

Voicemail Service Is Called When You Tap Voicemail

If the voice instructions prompt you, enter your voicemail password. Otherwise, wait until you hear any voice instruction, then end the call. After a time, Voicemail should become available again.

This may occur if you removed the SIM card from iPhone and replace it with another SIM card.

Safari, Text, Mail, and Contacts

Websites, Text, or Email Aren't Available

- Check the cell signal icon in the status bar at the top of the screen. If there are no bars, or if it says "No service," try moving to a different location. If you're indoors, try going outdoors or moving closer to a window.
- Check to make sure you're in an area with network coverage. Go to your carrier's website to see network coverage areas.
- If the cellular network isn't available, connect to a Wi-Fi network if possible.
- Make sure airplane mode isn't on. From the Home screen choose Settings, then turn airplane mode off. If that doesn't work, turn airplane mode on, wait 15 seconds, then turn airplane mode off again.
- Make sure to include an area code for every phone number in your contacts list that you use to send or receive text messages.
- Turn iPhone off and back on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears. Tap Unlock and enter your SIM's PIN if the SIM is locked.

  Important: If you enter the PIN incorrectly three times, you may need to enter a Personal Unlocking Key (PUK) to enable your SIM card again. Refer to the SIM card documentation or contact your carrier.
- There may be a problem with your wireless service. Call your carrier or go to your carrier's website.

- If you're traveling abroad, you may not have Internet access because Data Roaming is turned off (the default). Turn Data Roaming on or connect to a Wi-Fi network. To turn Data Roaming on, in Settings choose General > Network and tap Data Roaming. Data roaming charges may apply.

  Important: Data roaming charges may apply. To avoid data roaming charges, turn Data Roaming off.

- Restore the iPhone software. See "Updating and Restoring iPhone Software" on page 204.

Can't Send Email

If iPhone is unable to send email, try the following:

- In Settings, choose "Mail, Contacts, Calendars" and select the account you're trying to use. Tap Account Info, then tap SMTP under Outgoing Mail Server. Under Other SMTP Server, tap the SMTP server for your carrier, then tap to turn the server on. The Under Other SMTP settings also allow you to set up additional SMTP servers. Contact your carrier or Internet service provider for configuration information.
- Set up your email account directly on iPhone instead of syncing it from iTunes. In Settings, choose "Mail, Contacts, Calendars," tap Add Account and enter your account information. If iPhone is unable to locate your service provider's settings when you enter your email address, go to www.apple.com/support and search for HT1277 to get additional help in setting up your account.
- Turn iPhone off, then turn it on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, and then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears.
- Turn off Wi-Fi so iPhone is connecting to the Internet via the cellular data network. In Settings, choose Wi-Fi and turn off Wi-Fi.

For additional troubleshooting information, go to www.apple.com/support and search for TS1426. If you still can't send email, you can call an Apple Expert (not available in all countries). Go to www.apple.com/support/expert for information. If Apple Expert is not available in your country, get a free GMail, Yahoo!, or AOL account and try forwarding your mail to that account.

Can't Receive Email

If iPhone is unable to receive email, try the following:

- If you're using one or more computers to check the same email account, that may be creating a lock-out issue. For more information, go to www.apple.com/support and search for TS2621.

- Set up your email account directly on iPhone instead of syncing it from iTunes. In Settings, choose "Mail, Contacts, Calendars," tap Add Account and enter your account information. If iPhone is unable to locate your service provider's settings when you enter your email address, go to www.apple.com/support and search for HT1277 to get additional help in setting up your account.
- Turn iPhone off, then turn it on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, and then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears.
- Turn off Wi-Fi so iPhone is connecting to the Internet via the cellular data network. In Settings, choose Wi-Fi and turn off Wi-Fi.

For additional troubleshooting information, go to www.apple.com/support and search for TS1426. If you still can't receive email, you can call an Apple Expert (not available in all countries). Go to www.apple.com/support/expert for information. If Apple Expert is not available in your country, get a free GMail, Yahoo!, or AOL account and try forwarding your mail to that account.

Email Attachment Won't Open

The file type may not be supported. iPhone supports the following email attachment file formats:

.doc	Microsoft Word
.docx	Microsoft Word (XML)
.htm	webpage
.html	webpage
.key	Keynote
.numbers	Numbers
.pages	Pages
.pdf	Preview, Adobe Acrobat
.ppt	Microsoft PowerPoint
.pptx	Microsoft PowerPoint (XML)
.rtf	Rich Text Format
.txt	text
.vcf	contact information
.xls	Microsoft Excel
.xlsx	Microsoft Excel (XML)

GAL Contacts Don't Appear

Check your Microsoft Exchange settings to make sure you're on the right server. In Settings, tap "Mail, Contacts, Calendars" and choose an account to display its settings.

If you're trying to search for GAL contacts in Contacts, tap Groups and tap Directories at the bottom of the list.

Sound, Music, and Video

No Sound

- Unplug and reconnect the headset. Make sure the connector is pushed in all the way.
- Make sure the volume isn't turned down all the way.
- Music on iPhone might be paused. Try pressing the center button on the iPhone headset (or the equivalent button on your Bluetooth headset) to resume playback. Or from the Home screen, tap iPod, tap Now Playing, then tap ▶.
- Check to see if a volume limit is set. From the Home screen choose Settings > iPod > Volume Limit. For more information, see "Music" on page 158.
- Make sure you're using the latest version of iTunes (go to www.apple.com/itunes).
- If you're using the optional dock's line out port, make sure your external speakers or stereo are turned on and working properly.

Pressing Mic Button Doesn't Resume Music Playback

iPhone goes to sleep after music has been paused for five minutes. Press the Home ▢ or Sleep/Wake button to wake up iPhone.

Song, Video, or Other Items Won't Play

The song may have been encoded in a format that iPhone doesn't support. The following audio file formats are supported by iPhone. These include formats for audiobooks and podcasting:

- AAC (M4A, M4B, M4P, up to 320 Kbps)
- Apple Lossless (a high-quality compressed format)
- MP3 (up to 320 Kbps)
- MP3 Variable Bit Rate (VBR)
- WAV
- AA (audible.com spoken word, formats 2, 3, and 4)
- AAX (audible.com spoken word, AudibleEnhanced format)
- AIFF

The following video file formats are supported by iPhone:

- H.264 (Baseline Profile Level 3.0)
- MPEG-4 (Simple Profile)

A song encoded using Apple Lossless format has full CD-quality sound, but takes up only about half as much space as a song encoded using AIFF or WAV format. The same song encoded in AAC or MP3 format takes up even less space. When you import music from a CD using iTunes, it's converted to AAC format by default.

Using iTunes for Windows, you can convert nonprotected WMA files to AAC or MP3 format. This can be useful if you have a library of music encoded in WMA format.

iPhone doesn't support WMA, MPEG Layer 1, MPEG Layer 2 audio files, or audible.com format 1.

If you have a song or video in your iTunes library that isn't supported by iPhone, you may be able to convert it to a format iPhone supports. See iTunes Help for more information.

iTunes Stores

iTunes Store Isn't Available

To use the iTunes Store, iPhone must be connected to the Internet. See "Connecting to the Internet" on page 40. The iTunes Store isn't available in all countries.

Can't Purchase Content

To purchase content from the iTunes Store or App Store, you must have an iTunes Store account. Open iTunes on your computer and choose Store > Create Account. You can also set up an account on iPhone. See "Viewing Account Information" on page 166.

Note: The iTunes Store is available only in some countries.

Removing the SIM Card

If you need to send your iPhone in for service, or if you want to loan your iPhone to someone and you still want to be able to make calls, you may be able to use the SIM card inside iPhone with another phone.

Remove the SIM card: Insert the end of the SIM eject tool (or a small paper clip) into the hole on the SIM tray. Press firmly and push it straight in until the tray pops out.



Backing Up iPhone

iTunes creates backups of settings, downloaded applications and data, and other information on iPhone. You can use a backup to restore these items to your iPhone after a software restore or to transfer the information to another iPhone.

Backing up iPhone or restoring from a backup is not the same as syncing content and other items (such as music, podcasts, ringtones, photos, videos, and applications that you download via iTunes) with your iTunes library. Backups include settings, downloaded applications and data, and other information that resides on iPhone. You can restore these items from a backup using iTunes, but you may also have to sync your iTunes library content again.

Applications downloaded from the App Store are backed up the next time you sync with iTunes. Afterwards, only application data is backed up when you sync with iTunes.

Creating Backups

Backups can be created in the following ways:

- Once iPhone has been configured to sync with a particular computer, iTunes automatically makes a backup of iPhone on that computer when you sync. iTunes won't automatically back up an iPhone that isn't configured to sync with that computer. If you've configured iPhone to automatically sync with iTunes on a specific computer, iTunes will back up iPhone every time you connect it to that computer. Automatic syncing is turned on by default. iTunes only makes one backup each time you connect, even if you sync multiple times before disconnecting.
- If you choose to update the software on iPhone, iTunes will back up iPhone automatically, even if it isn't configured to sync with iTunes on that computer.
- If you choose to restore the software on iPhone, iTunes asks if you want to back up iPhone before restoring.

If you use a Bluetooth headset or car kit with iPhone and you restore settings, you must pair the Bluetooth device with iPhone again to use it.

For more information about backups, including the settings and information stored in a backup, go to www.apple.com/support and search for HT1766.

Restoring from a Backup

You can restore the settings, application data, and other information from a backup, or use this feature to transfer these items to another iPhone.

Restore iPhone from a backup:

1. Connect iPhone to the computer you normally sync with.
2. In iTunes, Control-click iPhone in the sidebar and choose "Restore from Backup" from the menu that appears.
3. Choose the backup that you want to restore from the pop-up menu, then click Restore.

   If your backup is encrypted, you'll need to enter your password.

After restoring from a backup, previous data is no longer accessible via the iPhone user interface, but it isn't erased from your iPhone. For information about erasing all content and settings, see "Resetting iPhone" on page 149.

Important: Restoring iPhone from a backup restores all data in the backup, including data for other applications. If you choose an old backup, restoring from it could replace the data for applications with data that is not current.

Removing a Backup

You can remove a backup of iPhone from the list of backups in iTunes. You may want to do this, for example, if a backup was created on someone else's computer.

Remove a backup:

1. In iTunes, open iTunes Preferences.
   - *Windows:* Choose Edit > Preferences.
   - *Mac:* Choose iTunes > Preferences.
2. Click Devices (iPhone does not need to be connected).
3. Select the backup you want to remove, then click Delete Backup.
4. Confirm you wish to remove the selected backup by clicking Delete Backup.
5. Click OK to close the iTunes Preferences Window.

Updating and Restoring iPhone Software

You can use iTunes to update or reinstall iPhone software, restore default settings, and delete all data on iPhone.

- *If you update,* the iPhone software is updated. Your downloaded applications, settings, and data aren't affected.

  Note: In some cases, an update may also include restoring iPhone.

- *If you restore,* the latest version of iPhone software is reinstalled, settings are restored to their defaults, and data stored on iPhone is deleted, including downloaded applications, songs, videos, contacts, photos, calendar information, and any other data. If you've backed up iPhone with iTunes on your computer, you can restore data from the backup at the end of the restore process.

Deleted data is no longer accessible via the iPhone user interface, but isn't erased from your iPhone. For information about erasing all content and settings, see "Resetting iPhone" on page 149.

Update or restore iPhone:

1. Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.
2. Connect iPhone to your computer.
3. Select iPhone in the iTunes sidebar and click the Summary tab.
4. Click "Check for Update." iTunes tells you if there's a newer version of the iPhone software available.
5. Click Update to install the latest version of the software. Or click Restore to restore. Follow the onscreen instructions to complete the restore process.

For more information about updating and restoring iPhone software, go to www.apple.com/support and search for HT1414.

Other Resources

B Appendix

Safety, Software, and Service Information

The following table describes where to get more iPhone-related safety, software, and service information.

To learn about	Do this
Using iPhone safely	See the *Important Product Information Guide* at www.apple.com/support/manuals/iphone for the latest safety and regulatory information.
iPhone service and support, tips, forums, and Apple software downloads	Go to www.apple.com/support/iphone.
Service and support from your carrier	Contact your carrier or go to your carrier's website.
The latest information about iPhone	Go to www.apple.com/iphone.
Using iTunes	Open iTunes and choose Help > iTunes Help. For an online iTunes tutorial (available in some areas only), go to www.apple.com/support/itunes.
MobileMe	Go to www.me.com.
Using iPhoto on Mac OS X	Open iPhoto and choose Help > iPhoto Help.
Using Address Book on Mac OS X	Open Address Book and choose Help > Address Book Help.
Using iCal on Mac OS X	Open iCal and choose Help > iCal Help.

205

To learn about	Do this
Microsoft Outlook, Windows Address Book, Adobe Photoshop Album, and Adobe Photoshop Elements	See the documentation that came with those applications.
Finding your iPhone serial number or International Mobile Equipment Identity (IMEI) number	You can find your iPhone serial and IMEI numbers on the iPhone packaging. Or, on iPhone, choose Settings > General > About from the Home screen. In iTunes on your computer, hold down the Control key and choose Help > About iTunes (Windows) or iTunes > About iTunes (Mac), then release the Control key. (Press the Space bar to pause the scrolling.)
Obtaining warranty service	First follow the advice in this guide and online resources. Then go to www.apple.com/support or see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.
Battery replacement service	Go to www.apple.com/support/iphone/service/battery.
Using iPhone in an enterprise environment	Go to www.apple.com/iphone/enterprise.

Viewing the User Guide on iPhone

The *iPhone User Guide,* optimized for viewing on iPhone, is available at help.apple.com/iphone.

View the guide on iPhone: In Safari, tap 🕮, then tap the *iPhone User Guide* bookmark.

Add an icon for the guide to the Home screen: When viewing the guide, tap +, then tap "Add to Home Screen."

The *iPhone User Guide* is available in many languages.

View guide in a different language: Tap "Change Language" at the bottom of the screen on the main contents page, then choose the language you want.

Disposal and Recycling Information

Apple Used Mobile Phone Recycling Program (available in some areas): For free recycling of your old mobile phone, a prepaid shipping label, and instructions, see: www.apple.com/environment/recycling

iPhone Disposal and Recycling: You must dispose of iPhone properly according to local laws and regulations. Because iPhone contains electronic components and a battery, iPhone must be disposed of separately from household waste. When iPhone reaches its end of life, contact local authorities to learn about disposal and recycling options, or simply drop it off at your local Apple retail store or return it to Apple. The battery will be removed and recycled in an environmentally friendly manner. For more information, see: www.apple.com/environment/recycling



European Union—Electronics and Battery Disposal Information: This symbol means that according to local laws and regulations your product and its battery should be recycled separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities for the recycling of electronic equipment. The improper disposal of waste electronic equipment from the consumer may be subject to fines. The separate collection and recycling of your product and its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For collection and recycling schemes for iPhone, go to: www.apple.com/environment/recycling/nationalservices/europe.html

Battery Replacement for iPhone: The rechargeable battery in iPhone should be replaced only by an authorized service provider. For battery replacement services go to: www.apple.com/support/iphone/service/battery

Deutschland: Dieses Gerät enthält Batterien. Bitte nicht in den Hausmüll werfen. Entsorgen Sie dieses Gerätes am Ende seines Lebenszyklus entsprechend der maßgeblichen gesetzlichen Regelungen.



Nederlands: Gebruikte batterijen kunnen worden ingeleverd bij de chemokar of in een speciale batterijcontainer voor klein chemisch afval (kca) worden gedeponeerd.

Türkiye: EEE yönetmeliğine (Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik) uygundur.

Apple and the Environment

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. For more information go to: www.apple.com/environment

Index

3G 21, 41
12-hour time 147
24-hour time 147

A
accessibility
  features 182
  Mono Audio 190
  setting up iPhone using VoiceOver 11
  settings 149
  Speak Auto-text 190
  Triple-click Home 191
  VoiceOver 183
  White on Black 190
  Zoom 189
accounts 16, 150
  "push" 18, 151
activating iPhone 10
adjusting brightness 142
Adobe Photoshop 97
Adobe Photoshop Elements 15
airplane mode
  settings 138
  status icon 21
  turning on 138
alarms
  deleting 133
  setting 133
  status icon 22
  turning on or off 133
album covers 78
album tracks 79
alert
  voicemail 52
alerts
  adjusting volume 27, 141
  calendar 96
  turning on or off 141
alternate audio language 83
answering calls 39
anti-phishing. *See* Safari fraud warning
App Store
  about 167
  browsing 167
  deleting applications 171
  Genius 168
  store account 159, 167
  syncing 12
  syncing purchased content 172
  updating applications 172
  verifying purchases 166
applications 23
  deleting 171
attachments
  email 62
audio
  alternate language 83
  mono 190
audio file formats, supported 201
audiobooks
  syncing 12
Auto-Brightness 142
AutoFill 69, 156
auto-lock, setting time for 145
AV cables 84

B
backing up iPhone 14
backups
  creating 202
  removing 203
  restoring from 203
battery
  charging 43
  low on power 44, 193
  maximizing life 44
  replacing 44, 206
  status icon 22
Bluetooth
  finding address 143
  headset 26, 38, 39, 48, 49, 50, 74, 77, 78, 82, 104, 108, 126, 200, 202
  routing calls back through iPhone 56
  status icon 22
  turning on or off 144
  unpairing device 56

208

bookmarking
map locations 119
webpages 69
YouTube videos 108, 109
bookmarks, syncing 12, 14, 69
brightness
adjusting 142
setting to adjust automatically 142
browser cache, clearing 157
browsing
album covers 78
App Store 167
iTunes Music Store 161
YouTube videos 107
businesses, finding 121
buttons, changing 85

C

cable, Dock Connector to USB 11, 21
cache, clearing browser 157
Calculator 135
scientific 136
Calendar
about 91
searching 93
views 92
See also events
calendars, syncing 12, 14, 91
call forwarding 154
call options 49
call waiting, turning on or off 154
caller ID, hiding or showing 154
calls
no service 196
See also phone
Camera
deleting pictures 104
exposure 104
focus 104
seeing photos and videos you've taken 104, 105
taking pictures 104
upload pictures to your computer 106
caps lock, enabling 148
carrier services 155
Cc 152
cell signal, status icon 21
cellular network 41
charging battery 43
cleaning iPhone 46
Clock 132
clocks, adding 132
closed captioning, turning on or off 158
Compass
current coordinates 174
heading 174
True and Magnetic North 174
component AV cable 84
composite AV cable 84
computer requirements 9
conference calls 50
configuration profiles 18
connecting to Internet 40
contacts
adding and editing 178
adding from Maps 119
adding from text messages 89
assigning photo to 102
favorite 54
GAL (Global Address List) 59, 177, 200
LDAP (Lightweight Directory Access Protocol) 177
seeing location of 119
send info by email 60
setting how displayed 153
setting how sorted 153
syncing 12, 13, 14, 176
using to call someone 47
Yahoo! Address Book 14
controls, using 28
converting
videos 73
converting unprotected WMA files 201
cookies 157
copying
images 100
photos and videos in MMS messages 88
text 33
Cover Flow 78
current approximate location 119, 174
cutting and pasting text 33

D

data, erasing 17, 45, 145, 149
date and time, setting 147
date format 148
debug console 157
declining calls 49
deleting
alarms 133
all content and settings 45, 149
applications from the App Store 171
clocks 132
contacts 178
contacts from Favorites 54
email account 151
email messages 64
notes 130
pictures 104
playlists 81
removing 203
songs from a playlist 81
videos 84

YouTube playlists 110
YouTube videos from a playlist 110
developer settings 157
Dialing a phone number 47
directions, getting 119
disconnecting iPhone from computer 19
display freezes 194
Dock Connector 125
Dock Connector to USB cable 11, 21
downloading
applications 170
podcasts 164

E
EDGE 40
editing
text 33
text conversations 89
videos 106
effects sounds, turning on or off 141
email accounts
syncing 12
emergency calls 51
ending calls 39
enterprise, using iPhone 206
equalizer 158
erasing data 17, 45, 145, 149
events, calendar 94
Exchange. *See* Microsoft Exchange
exposure 104

F
favorites
calling a contact from 47, 54
managing 54
sending text messages 87
Fetch New Data 151
file formats, supported 62, 199, 200, 201
Find My iPhone 17, 45
focus 104
force quit an application 46
formats
date, time, and telephone number 148
forwarding messages 60

G
GAL (Global Address List) 59, 177, 200
Genius Mixes 73, 80
Genius playlists 76, 79
Genius, App Store 168
gestures, VoiceOver 184
getting help 205
getting started 9
Google search engine 156
Google
Contacts 14, 196
searching the web 69
GPRS 40
GPS 116
grab points 34

H
hands-free phone calls 50, 144
headset
about 21, 39
center button 21, 26, 38, 39, 48, 49, 50, 74, 77, 78, 82, 104, 108, 126, 200
using with Voice Memos 125
headset button. *See* mic button
help, getting 205
hold, putting calls on 50
Home screen 23, 29
adding web clips 70
customizing 25
hybrid view 118

I
iCal 14, 205
ICCID number 143
icons
applications 23
status 21
See also buttons
images
copying 100
pasting 100
IMAP
accounts 59
searching email 64
IMEI number 143
installing
applications from the App Store 170
configuration profiles 18
international keyboards 35, 148
Internet, connecting to 40
iPhoto 15, 205
iPod
changing browse buttons 85
converting videos for iPhone 73
deleting videos 84
Genius Mixes 80
Genius playlists 79
headset controls 39
on-the-go playlists 81, 110
playing songs using Voice Control 77
repeating or shuffling songs 76
searching 79, 83
settings 158
Shake to Shuffle 73, 158
sleep timer 84

iTunes Store
about 160
account 10, 159, 160, 163, 167
browsing 161
checking download status 165
purchasing ringtones 162
purchasing songs and albums 162
streaming or downloading podcasts 164
syncing purchased content 165
verifying purchases 166
iTunes U
syncing 12, 15, 71
iTunes
getting help 205
iPhone doesn't appear in 195
settings panes 13

K

keyboards
Emoji 35
international 35, 148
typing on 32
keypad, numbers 50

L

LDAP (Lightweight Directory Access Protocol) 177
links
in email 62
on webpages 67
location. *See* Maps
Location Services 144
location warnings 150
locking iPhone 22, 26, 27
lyrics, displaying 75

M

Mac system requirements 9
magnetic north 173
Mail
account setup 59, 150
attachments 62, 199
Cc 152
checking for new messages 60, 64
deleting email account 151
deleting messages 64
forwarding messages 60
links 62
load additional messages 61
marking messages as unread 63
organizing email 65
password settings 151
problems opening an attachment 199
reading messages 61
replying to messages 60
resizing text column 61
saving drafts 60
searching 64
seeing recipients 63
sending email to someone you've texted 89
sending messages 59
sending photos and videos 60
sending webpage addresses 67
sending YouTube video links 108, 109
settings 150, 151
share contact information 60
signatures 152
storing email on iPhone or server 151
syncing email account settings 12
Yahoo! email account 18
zooming in a message 61
Maps
adding location to a contact 119
bookmarking location 119
current approximate location 116, 119
dropped pin 117
finding businesses 121
finding location 114
getting directions 119
GPS 116
hybrid view 118
satellite view 118
seeing location of a contact 119
share location 119
traffic conditions 121
zooming 115
Messages
contacting someone you've texted 89
editing conversations 89
following links in messages 89
previews 90
replying to messages 87
saving a photo or video clip 88
saving conversations 87
sending a photo or video clip 88
sending messages 86
setting alert sounds 90
settings 157
show earlier messages 87
mic button 39
microphone
about 39
built-in 125
muting 50
microphone, external 125
Microsoft Excel 156
Microsoft Exchange 16, 23, 25, 59, 176
push accounts 18
searching email 64
setting up account 16
syncing 16, 57, 91
Microsoft Internet Explorer 14, 69

Microsoft Outlook 14, 15
Microsoft Word 156
missed calls
  number of 52
  returning 47
MMS 23, 24, 86, 88, 89, 97, 98, 100, 101, 116, 119, 128, 157
  See also Messages
MobileMe 16, 23, 25, 176
  getting help 205
  push accounts 18
  searching email 64
  security features 17, 45
  sending photos to a gallery 100
  setting up account 16
  syncing 57, 69, 91
model number 142
modem firmware version 143
Mono Audio 190
movies
  rented 15, 83
  syncing 12
music
  lyrics 75
  managing manually 14
  previewing 162
  purchasing 162
  searching 79
  syncing 12, 15, 71
  See also iPod
music videos
  syncing 12
muting a call 50

N

navigating. *See* panning, scrolling
Network activity
  status icon 22
networks 139
Nike + iPod
  settings 159, 181
north, true and magnetic 173
Notes 130
  searching 131
  syncing 12
NTSC 159

O

on-the-go playlists 81
orientation, changing 66
Outlook Express. *See* Windows Address Book
Outlook. *See* Microsoft Outlook
overview, iPhone applications 23

P

pairing with Bluetooth headset 55
PAL 159
panning
  maps 115
  webpages 67
parental controls. *See* Restrictions
passcode 145
password
  changing 155
  voicemail 197
pasting
  images 100
  photos and videos in MMS messages 88
  text 33
pausing songs and videos 39
PC system requirements 9
phone network name 142
Phone
  adding and editing contacts 178
  answering calls 39, 40, 49
  call waiting 154
  calling internationally 56
  calling someone you've texted 89
  carrier services 155
  changing voicemail password 155
  conference calls 50
  declining calls 40, 49
  emergency calls 51
  ending calls 39, 40, 50
  forwarding calls 154
  hands-free 50
  hiding or showing caller ID 154
  locking SIM card 155
  making calls 47
  missed calls 52
  muting calls 50
  putting calls on hold 50
  ring mode 54
  routing calls back through iPhone 56
  second calls 50
  setting up voicemail 52
  settings 153
  silencing calls 49
  silent mode 54
  switching between calls 40, 50
  turning on vibrate 54
  unpairing Bluetooth device 56
  using favorites 54
  using speakerphone 50
  using TTY machine 154
  voice dialing 48
  voicemail 51, 52
  voicemail alerts 52
photo albums 99

photos
saving MMS attachments 88
sending in MMS messages 88
Photos
assigning photos to contacts 102
emailing photos 100
playing music during slideshow 100
sending in email messages 60
settings 99, 159
syncing 12, 15, 97
using photos as wallpaper 102
viewing slideshows 99
zooming photos 99
See also Camera
pictures
taking 104
See also Camera, Photos
PIN number 155
playlists, making 81
plug-ins 156
podcasts
downloading 164
streaming 164
syncing 12, 15, 71
pop-ups 156
power adapter 21
power, low 44
previewing
music 162
ringtones 162
videos 163
previewings
text messages 90
problems. *See* troubleshooting
purchased content
syncing 165, 172
purchasing
applications 167
iTunes content 72
music 160, 162
ringtones 162
videos 163
push accounts 18, 151

R

reading email 61
Recents, using to call someone 47
rechargeable batteries 44
removing
backups 203
SIM card 201
rented movies 83
renting
movies 15
videos 163
repeating 76
replacing battery 44, 206
replying to messages 60
requirements for using iPhone 9
reset iPhone 46
resizing webpage columns 67
restarting 46
restoring iPhone software 204
restoring settings and information 203
restrictions, setting 146
ring mode 28, 54, 141
ringer
adjusting volume 27, 141
turning on or off 141
Ring/Silent switch 28, 54
ringtones
previewing 162
purchasing 162
setting 55, 141
syncing 12
rotor control 185
routing calls back through iPhone 56

S

Safari
AutoFill 69, 156
bookmarking webpages 69
clearing cache 157
cookies 157
Debug Console 157
developer settings 157
fraud warning 156
Home screen web clips 70
navigating 67
opening webpages 66, 68
plug-ins 156
pop-ups 156
reloading webpages 67
resizing columns to fit screen 67
saving images to your Photo Library 67
searching the web 69
security 156
sending webpage addresses in email 67
settings 156
stopping webpages from loading 67
syncing bookmarks 12, 14
typing in text fields 68
zooming webpages 67
satellite view 118
screen 142
setting to adjust automatically 142
using 28
screen reader 11
scrolling
about 29
maps 115
webpages 67

search engine 156
searching
App Store 167
calendars 93
global 37
iTunes Music Store 161
Mail messages 64
music 79
notes 131
videos 83
searching the web 69
searching YouTube videos 107
security
erase data after ten failed passcode attempts 145
features 45
Find My iPhone 17, 45
setting passcode for iPhone 145
web 156
selecting text 34
sending
email 59
photos and video clips 88
photos from Photos 100
text messages 86
voice memos 88
serial number, finding 142, 206
service and support information 205
settings
accessibility 149
accounts 150
airplane mode 138
alarms 133
alerts 90, 96
auto-capitalization 148
auto-correction 33, 148
auto-lock 145
Bluetooth 144
brightness 142
Calendar 92, 96
date and time 92, 147
developer 157
email server 151
Fetch New Data 151
international 148
iPod 158
language 148
location services 144
Mail, Contacts, Calendars 150
Mail 150
messages 157
Nike + iPod 159, 181
notifications 140
passcode lock 145
Phone 153
Photos 99, 159
resetting 149
restrictions 146
Safari 69, 156
screen brightness 142
security 156
Shake to Shuffle 158
slideshow 99
sound 90, 96
Store 159
temperature 124
TV out 159
usage statistics 143
vibrate 54
video 158
VoiceOver 182
VPN 144
wallpaper 102, 142
Wi-Fi 139
Shake to Shuffle 73, 158
sharing
photos and videos in email messages 60
photos and videos in MMS messages 88
shuffling songs 76
signatures, email 152
silencing calls 49
silent mode 28, 54, 141
SIM card, locking 155
sleep. *See* locking iPhone
sleep timer 84
slideshows 99, 100
settings 159
SMS 86
See also Messages
software
getting help 205
updating and restoring 204
version 142
sound
adjusting ringer and alerts volume 141
adjusting volume 27
no sound 200
setting limit 158
Sound Check 158
sound effects 27
sounds
adjusting volume 40
calendar alert 96
setting ringtone 141
turning on or off 141
Speak Auto-text 190
speakerphone 50
SSL 151
star next to a phone number 179
Starbucks, browsing and purchasing music 161
status icons 21
stock information, Yahoo! 113
Stocks, adding and deleting quotes 112

stopwatch, using 133
storage capacity 142
Store, settings 159
streaming podcasts 164
subtitles 83
surfing the web 66
switching between calls 50
syncing
  calendars 91
  getting calls during 19
  Google Contacts 14, 196
  iTunes library contents 12
  Microsoft Exchange 16, 57, 91
  MobileMe 16, 57, 91
  photos 97
  preventing 15
  purchased songs 165
  "Sync in progress" message 19
  webpage bookmarks 69
  Yahoo! Address Book 196
syncing voice memos 129
system requirements 9

T

taking pictures 104
telephone. *See* Phone
telephone number format 148
text
  cutting or copying 33
  pasting 33
  typing 32
text messaging. *See* Messages
Text
  typing in webpages 68
time format 148
time zone support 92, 93, 147, 153
time, setting 147
timer
  setting 134
  sleep 134
touchscreen, using 28
traffic conditions, checking 121
transfer settings and information 202
transferring
  purchased content 73, 165
transferring purchased content 172
transferring settings and information 203
transition effects, setting 159
trimming videos 106
Triple-click Home setting 191
troubleshooting
  backing up 202
  can't browse websites 197
  can't make a call 196
  can't open an attachment 199
  can't purchase music or applications 201
  can't text 197
  display freezes 193
  email not available 197
  GAL contacts don't appear 200
  iPhone calls voicemail service 197
  iPhone doesn't appear in iTunes 195
  iPhone doesn't respond 193
  iPhone doesn't turn on 193
  no sound 200
  problems playing songs or other content 200
  removing the SIM card 201
  restarting 46
  software update and restore 204
true north 173
TTY machine, using 154
turning iPhone on or off 26
TV shows
  syncing 15
TV shows, syncing 12
TV signal settings 159
typing
  keyboard 32
  in webpage text fields 68

U

undoing edits 34
unlocking iPhone 27
unpairing Bluetooth device 56
unread messages, marking 63
unsupported audio file formats 201
updating iPhone software 204
usage statistics
  battery percentage 143
  resetting 143
  seeing 143
USB
  cable 11, 21
  port 11
  power adapter 21

V

vibrate, setting 54, 141
video settings 158
videos
  alternate audio language 83
  converting for iPhone 73
  deleting 84
  editing 106
  previewing 163
  purchasing 163
  saving MMS attachments 88
  searching 83
  sending in MMS messages 88
  subtitles 83
  syncing 12, 15, 71
  trimming 106

watching on a TV 84
See also iPod, Music, YouTube
virtual private network. *See* VPN
Voice Control
making phone calls 38, 48
playing songs 38, 77
using with headset 40
Voice Memos
attaching to MMS messages 128
emailing 128
recording 125
syncing 129
trimming 128
voicemail
about 51
alerts 52
changing password 155
checking and managing 52
forgotten password 197
greeting 52
setting up 52
VoiceOver
about 183
entering and editing text 188
gestures 184
rotor control 185
setting up iPhone using 11
volume
adjusting 27, 40
adjusting for ringer and alerts 141
setting limit 158
VPN
accessing networks using 42
configuring 144
set up by configuration profile 18
turning on or off 144

W

waking iPhone 27
wallpaper
choosing 142
settings 102
using photo as 102
warranty service 206
watching videos on a TV 84
weather information, Yahoo! 124
Weather
adding cities 123
deleting cities 124
temperature settings 124
viewing 123
web. *See* Safari
web clips, adding to Home screen 70
webpages
bookmarking 69
syncing 12, 14
White on Black 190
Wi-Fi
addresses 143
forgetting a network 140
joining networks 41, 139
settings 139
status icon 22
turning on or off 139
Windows Address Book 14
Windows XP 9
WMA files, converting 201
"Works with iPhone" logo 125
World Clock 132

Y

Yahoo!
Address Book 14, 196
search engine 156
search using 69
searching using 69
stock information 113
weather information 124
YouTube
bookmarking videos 108, 109
browsing videos 107
emailing links 108, 109
playing videos 108
searching for videos 107

Z

Zoom (Accessibility feature) 189
zooming
email messages 61
maps 115
photos 99
webpages 67

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