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TRANSLATION from Japanese to English

CERTIFICATE OF TRANSLATION ACCURACY

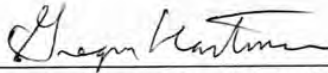
This day personally appeared before me Gregor Hartmann, who after being duly sworn deposes and states:

that he is a translator of the Japanese and English languages, a professional provider of translations, accredited by the American Translators Association (Alexandria, VA) for Japanese to English translation;

that he is thoroughly familiar with these languages and has carefully made and verified the attached translation from the original document in the Japanese language, to wit:

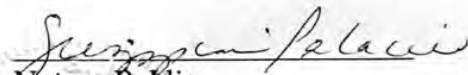
Pages from Zaurus MI-106, MI-106M, and MI-110M User Guides

and that the attached translation is a true and correct English version of the original to the best of his knowledge and belief.


Gregor Hartmann, Translator

Sworn to before me

this date: 13th of September 2012


Notary Public



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My Commission Expires Aug. 23, 2017

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[Right Side of Page = Front Cover of Manual]

mobile
computing / communication / multimedia

SHARP

PC Linkage Software

Zaurus Power Connection

Compatible with Power Zaurus Specifications

User Manual

ZAURUS

Zaurus Pocket

[Left Side of Page = Back Cover of Manual]

Sharp, Ltd.

Corporate Headquarters: 22-22 Nagaike-Cho, Abeno-Ku, Osaka, 〒545-8522

Telephone: 06(621)1221 (main switchboard)

Information Systems Operations Division: 492 Minosho-Cho, Yamatokoriyama City, Nara

Prefecture, 〒639-1186

Telephone: 0743(53)5521 (main switchboard)

Regarding the Names of Products in this User Manual

The Zaurus Pocket MI-100 series is based on the "Power Zaurus specification," so in this manual the MI-100 series and the MI-500 series are collectively referred to as "Power Zaurus."

INTRODUCTION

At this time, we'd like to thank you for buying our product.
This manual explains Zaurus Power Connection, Ver. 1.1.

We are providing this product to customers who have agreed to the use conditions on the following page.

Please be sure to check them before using this product.

Furthermore, opening this product's sealed floppy disks is a decision to accept the use conditions, so we cannot accept returns after the envelope is opened. Please review the user manuals and check the product functions and so forth before opening the sealed floppy disks.

Before installing Zaurus Power Connection or Zaurus Power Link on a PC, please be sure to read the respective *Readme.txt* files included with the floppy disks.

SOFTWARE SUPPORT

Questions regarding how to use this product and so forth will be received and handled at the toll-free number on the enclosed "Honorable Purchaser Card."

Furthermore, software support is limited to customers who have registered as users using the Zaurus Power Connection User Registration Card, so by all means, please return the Zaurus Power Connection Ver. 1.1 User Registration Card.

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[Right Side of Page = Front Cover of Manual]

Mobile Business Tool

Model

MI-106

MI-106M

MI-110M

Power Zaurus Specifications

User Manual

Functions Volume

Basic operations, schedule, address book, report & free notes, clock, calculator, photo memory/hand written memo, ink word processor, word processor, information file, integrated dictionary, action planner, search, reading in PC data (import) and sending out (export), MORE software, user settings, memory management, secret, peripheral equipment

ZAURUS

Zaurus Pocket

[Spine]

Mobile Business Tool MI-106/MI-106M/MI-110M User Manual (Functions Volume)

[Left Side of Page = Back Cover of Manual]

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Setting an Optical Communication System

Setting an Optical Communication System

Optical Communication Setting

You can choose from the following 2 systems when carrying out optical communication.

- IrDA (115 kbps) ... IrDA system (An optical communication system generally used by PC's; optical communication at a rapid speed of 115 kbps is possible.)
- ASK (9600 bps) ... ASK system (An optical communication system used by Zaurus, etc., with a communication speed of 9600 bps.)

When sending and receiving data via optical communication, please match the optical communication system of both units.



1 Following **Index**, touch **User Settings** after touching or in the screen lower right. The user settings screen is displayed.

2 Touch **Optical Communication Settings**. The screen for optical communication settings is displayed.

3 Change the setting.

4 Touch (close button) on the upper left.

MEMO

- Choose "ASK system" when optically communicating with a PI-3000/PI-4000/PI4500/PI-5000/PI-6000/PI-6500/PI-6600/PI-7000/PI-8000, or a word processor (Shoin).
- With this product, the MI-500 series or MI-10, choose "IrDA system."
- The optical communication method set in this optical communication screen is displayed as the initial value in the "optical communication system" space on the screen for optical communication by Zaurus communication.
- Optical communication with the **Optical Communication** key (→ "Data Exchange" in the "Zaurus Communication Volume") is carried out by the optical communication system set on this optical communication system screen.
- Even if "ASK system" has been selected, an automatic switchover to "IrDA system" will take place for information files and personal databases.

User
Settings

Memory Management

You can check the memory usage amount. Also, usable memory will increase by organizing memory. Deletion of secret data is also possible.

MEMO

- Organize memory when:
When the title of your Internet Library, photo memory, or spreadsheet has been changed, when data is deleted or corrected or entered, or a switchover to a different function occurs during correction, the growth of the crosshatched portion of the memory usage graph becomes larger. Please organize the memory as needed (→ page 161).
- About screen switchover while the memory is being fully utilized:
When the main body memory is being used at nearly its full capacity, switching the screen over to a different function and returning to the original function while a new input or a correction is being made may result in loss of the data being inputted or corrected. The same is also true for switching the power off and then turning it on again. This phenomenon is especially likely to occur with spreadsheets and photo memory.
Please provide as much available memory as possible by organizing memory by deleting unneeded data, etc.

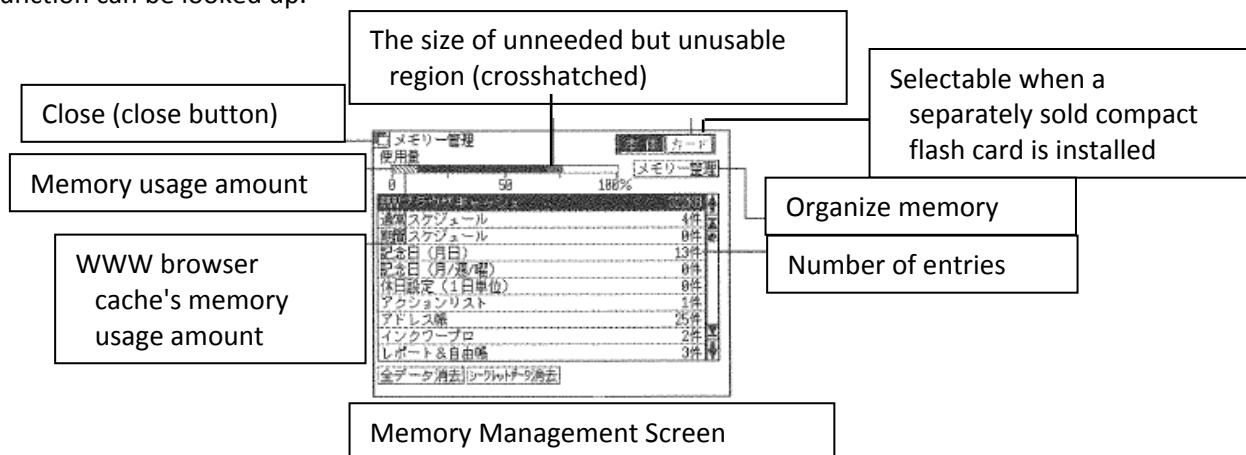
Managing Complete Data

Check Memory Usage Amount

Memory Management

Memory Usage Amount

Memory usage in the main body and separately sold compact flash card, and the number of entries in each function can be looked up.



PHS Adapter

Digital Cellular Phone Adapter

CE-DA5 CE-DA4 CE-DA3 CE-DA2

With a CE-DA5, CE-DA4, CE-DA3, or CE-DA2, data communication and G3 compatible fax transmission/receiving can be carried out by using a digital cellular phone. With a CE-DA5, CE-DA4, or CE-DA3, data communication at 9600 bps is possible with a digital cellular phone capable of data communication with base stations at 9600 bps (NTT Docomo digital Mova HYPER model, etc.). With a CE-DA2, data communication at 2400 bps is possible.

Peripheral

* In order to use a CE-DA4, CE-DA3, or CE-DA2 with this product, an option port conversion adapter CE-HA15 is required.

* When a CE-DA5, CE-DA4, CE-DA3, or CE-DA2 is used with a digital cellular phone having a data communication speed of 2400 bps, sometimes connection to an access point of your Internet provider cannot be made. Please ask each provider about whether communication at 2400 bps is possible.

In order to connect to InfoWeb, please use a combination of a digital cellular phone capable of communication at 9600 bps and a CE-DA5, CE-DA4, or CE-DA3. Connection cannot be made with a digital cellular phone capable of communicating at 2400 bps only.

Please refer to your digital cellular phone's user manual for compatibility with 9600 bps.

* A CE-DA1 cannot be used with MI-100 series.

PHS Adapter

CE-PA2 CE-PA1

With a CE-PA2 or CE-PA1, data communication can be carried out by using a PHS phone. CE-PA2 and CE-PA1 are used by connecting this product with a PHS phone compatible with PIAFS (PHS Internet Access Forum Standard).

* In order to use a CE-PA1 with this product, an option port conversion adapter CE-HA15 is required.

* When a CE-PA2 is used, fax transmission is possible. Faxes cannot be received. Fax transmission and receiving are not possible with a CE-PA1.

* Please use a PHS phone which is in compliance with NTT personal 32K data communication (PIAFS compatible). For applicable models, please refer to the user manual for CE-PA2 or CE-PA1.

* Data communication with this product is not possible when the PHS phone is being used as a cordless phone.

Portable Keyboard**CE-KB1**

Those who are accustomed to keyboard input can quickly input characters by using a special portable keyboard. It is convenient for making inputs into a lengthy word processor [file] or mail.

- Use of a portable keyboard results in greater battery consumption. Please remove it when not in use. Connecting to a separately sold AC adapter (EA-59) is recommended when used for an extended period of time.

Peripheral

PC Card Adapter**CE-CA1**

With a CE-CA1, compact flash memory cards CE-CF1 and CE-CF2 can be used with the MI-500 series. This cannot be used with the MI-10.

PC Connection Cable**CE-170TS CE-155TS**

PC connection cables CE-170TS and CE155TS are communication cables for an RS-232C connector to connect a D-SUB 9-pin PC (see note) and a Zaurus. For connecting this product and a PC connection cable CE-155TS, an option port conversion adapter CE-HA15 is required. Also, a CE-HA15 can be used by connecting to an AC adapter EA-59.

An AC adapter EA-59 can be used when this product is connected to a PC connection cable CE-170TS.

(Note) A separate, commercially available conversion connector is required when connecting an RS-232C connector to a non-D-SUB 9-pin PC.

Optical Communication Interface**CE-IR5**

Optical communication with the IrDA system can be carried out between a DOS/V PC that does not have an IrDA optical communication port and this product by using an optical communication interface CE-IR5.

- * In order to carry out optical communication in a Windows 95 Japanese version environment, Microsoft Corporation's infrared communication driver for Windows 95 is required. (As of August 1997, compatibility is only with DOS/V PCs. Use with the PC-98 series is not possible.)
- * Windows is a registered trademark of the U.S. Microsoft Corporation in the U.S. and other countries.

[Right Side of Page = Front Cover of Manual]

Mobile Business Tool

Model

MI-106

MI-106M

MI-110M

Power Zaurus Specifications

User Manual

Introductory Volume

Schedule, address book, action list, report & free notes, ink word processor, quick memo, photo memory/hand written memo, word processor, daily plan, information file, integrated dictionary

ZAURUS

Zaurus Pocket

[Spine]

Mobile Business Tool MI-106/MI-106M/MI-110M User Manual (Introductory Volume)

[Left Side of Page = Back Cover of Manual]

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OK, Let's Begin!

To the Internet, where information can be spread out from any place.

Basics: OK, Let's Begin!

Highly portable with compact size and light weight, browsing can be done by accessing the Internet.



Make the Internet portable!

You can browse in comfort by connecting to the Internet from the MI-100 Series. You can also quickly download the information you want, and view it later at your own pace. Home pages are displayed in 16-gradation grayscale. For details, please refer to "ZaurusNet/Internet" in the "Zaurus Communication Volume."

Pages whose information contents change frequently are automatically downloaded, and can be read offline.

Pages you want to look up in detail are downloaded, and can be viewed later at your own pace.

Images are saved.

Touch



ZAURUS PLAZA (the Zaurus home page) is full of a wide variety of information.

A separate page which is linked is displayed by touching the underlined characters.

(Note) In order to carry out data communication by connecting to the Internet or NIFTY Serve with an MI-106, you will need a PHS adapter or a digital cellular phone adapter, etc., which are sold separately.

OK, Let's Begin!

To the internet, where information can be spread out from any place.



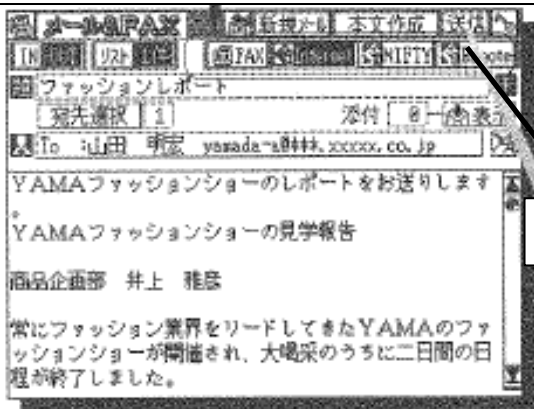
Sending mail and fax can be done through similar operations.

Sending and Receiving Internet Mail and NIFTY Mail

Sending and receiving of mail can be done by connecting to the Internet or NIFTY Serve. Sending [mail] as multimedia mail by attaching image data is also possible.

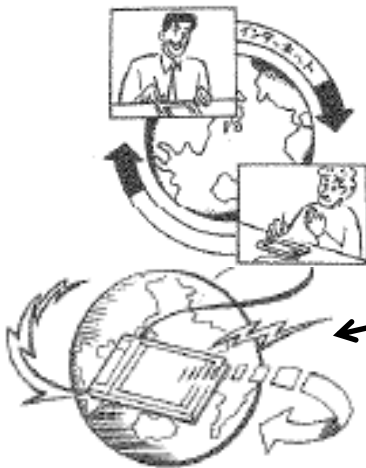
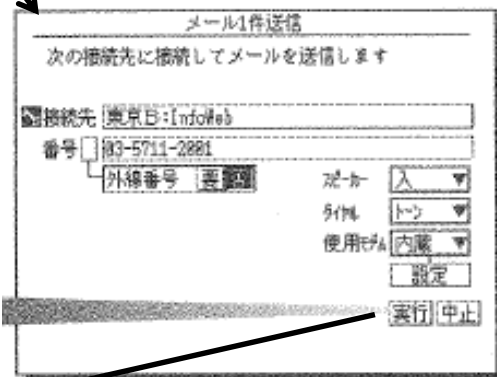
For details, please refer to "Sending Mail" and "Receiving Mail" in the "Zaurus Communication Volume."

Basics OK, Let's Begin!



- Send a fax
- Send Internet mail
- Send NIFTY mail
- Send mail through an external connection to a corporate internal mail system (remote mail).

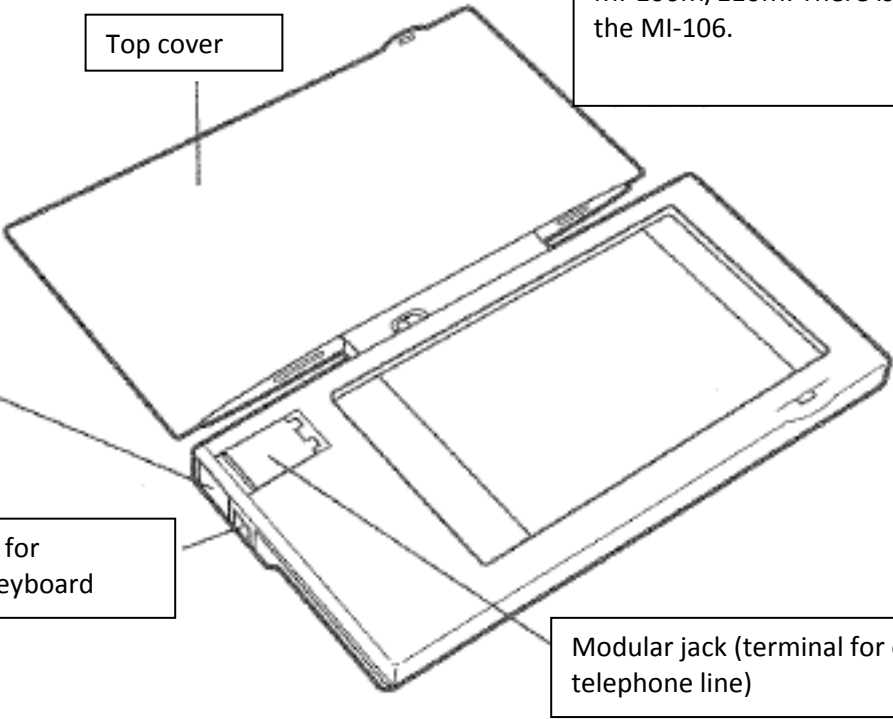
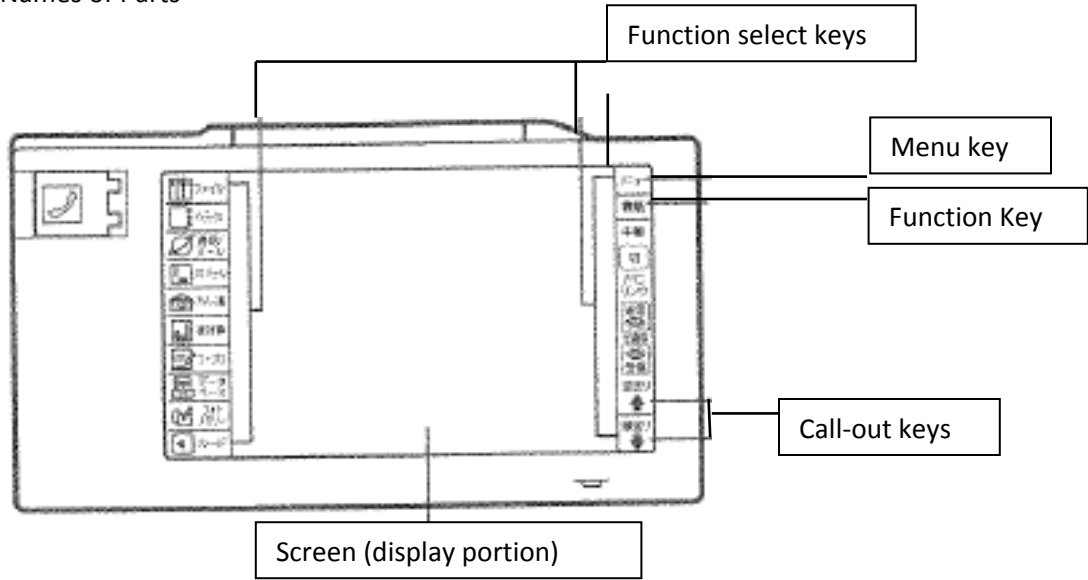
Touch



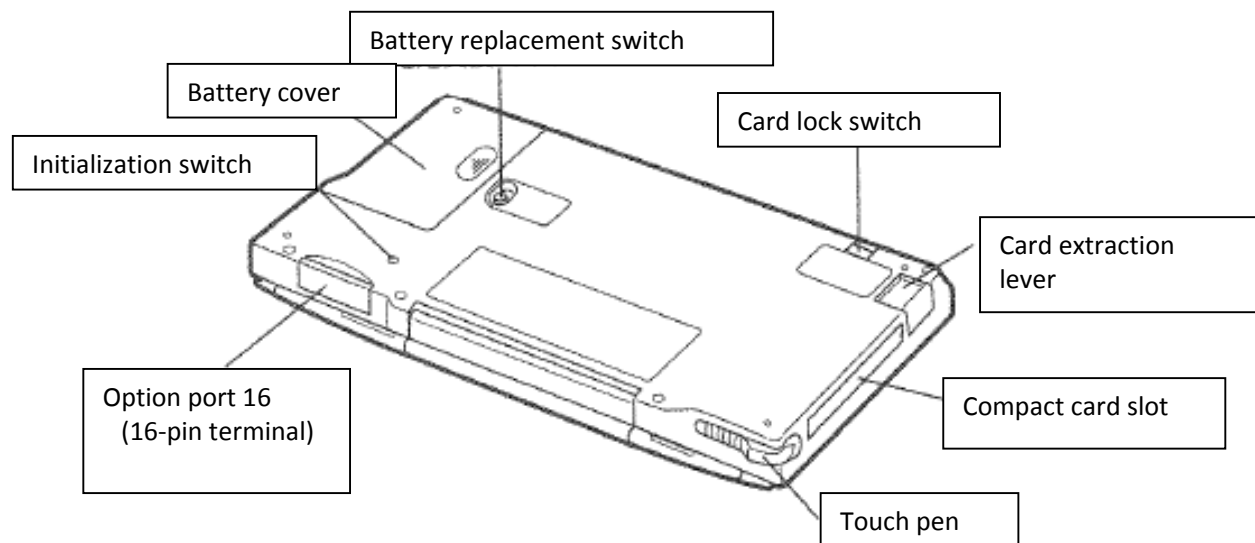
Let's Turn It On Now

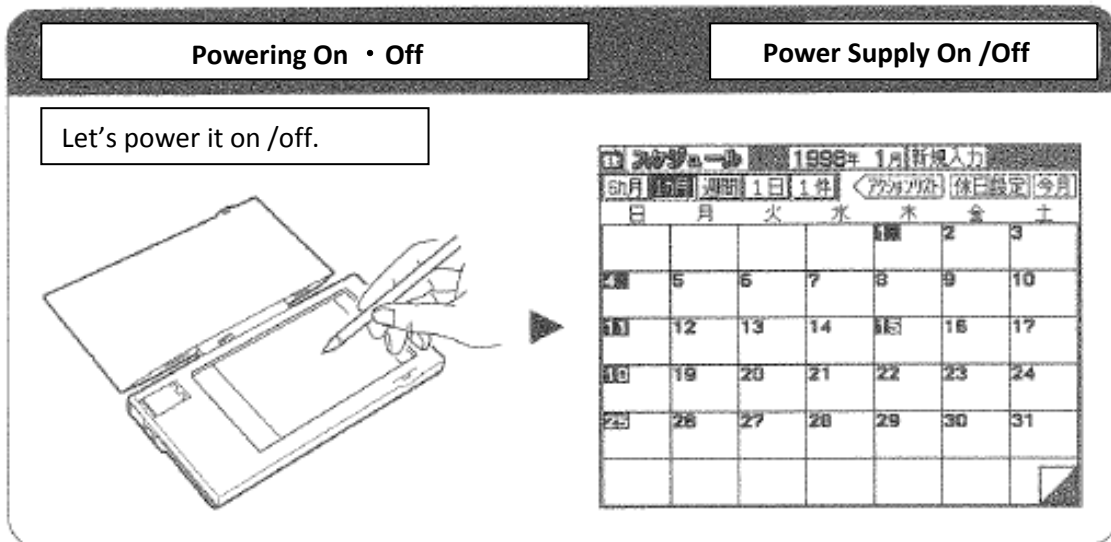
Touch [the screen] lightly, and familiarize yourself with how to use it.

Names of Parts



※ These illustrations are for the MI-106M/110M. There is no modular jack on the MI-106.





When it does not power on

Please check the following:

- Is the card lock switch on the “locked” side?
 - Is the battery replacement switch on the “locked (for use)”?
- If these switches are “released,” power will not turn on even if you touch the screen.

The sound when powering on • off

A soft sound is heard when powering on • off, but it is not a malfunction.

1 With the accessory pen, touch a part outside the center portion of the screen (the power will not turn on if you touch the approximately 1 cm-per-side square in the center portion of the screen).

After the power is turned on and the opening screen is displayed, a monthly calendar, etc., will be displayed within 1~2 seconds. If it has been used previously, the previously used screen will be displayed.



2 When powering off, touch **Off**.

[Page 36]

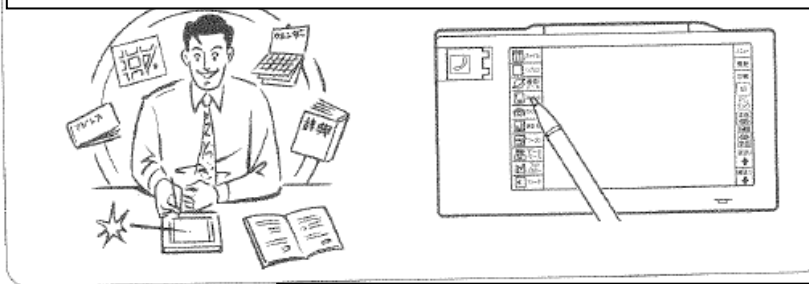
Touch the screen with a pen.

Let's try various operations by touching the screen with a pen.

Touching the screen with a pen.

Basic operations

Let's touch keys such as function select keys, icons, buttons, and menu, etc.



Easy key touch

Can be operated by a light touch.

1 Lightly touch **Schedule** among the function select keys. A schedule screen will be displayed.

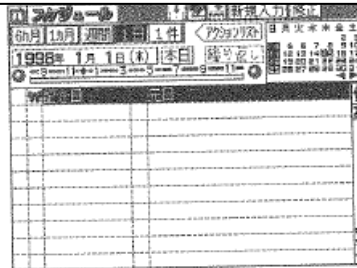
What are function select keys?

Touch when selecting a function.

When **Index** is touched

The following functions can be selected.

- Information file
- Daily plan
- Schedule
- Action list
- Address book
- Ink word processor
- Report & free notebook
- Word processor
- Photo memory / hand written memo
- Personal database
- Spreadsheet
- Internet Library
- Integrated dictionary, calculator
- Clock
- MORE software
- FAX viewer
- Secret
- User settings
- Memory management
- Action planner
- PC data



2 Display the screen for each function by touching other function select keys.
Touch **Index** in function select keys.



Touch the screen with a pen.

Once you can operate it with light touches, the rest is easy.

By touching

Communication/Mail

You can select the following functions.

- ZaurusNet / Internet
- ZaurusNet / NIFTY
- ZaurusNet / PC net
- Send mail
- Receive mail
- Send fax
- Receive fax
- PC link (personal computer link, Power PIMM link)
- Business card exchange
- Business card reader
- Optical
- Cable
- Card
- Printer
- Save all data

Membership

registration message

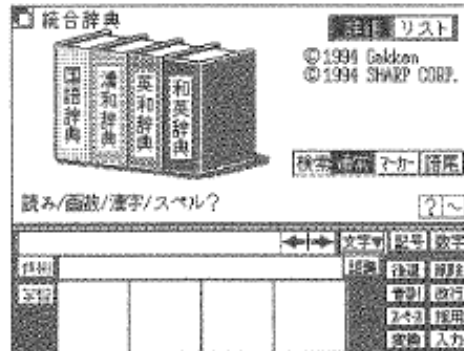
After connecting to the Internet once, membership registration will no longer be displayed.

Touching "Card" key

Switches to the data stored in a compact flash memory card if one is installed. When a compact flash memory card is installed, switching is not possible if the status display is being displayed.

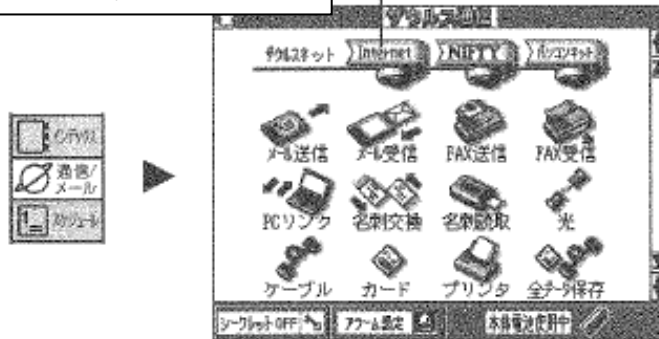
3 Touch Dictionary.

Search screen for the integrated dictionary is displayed.



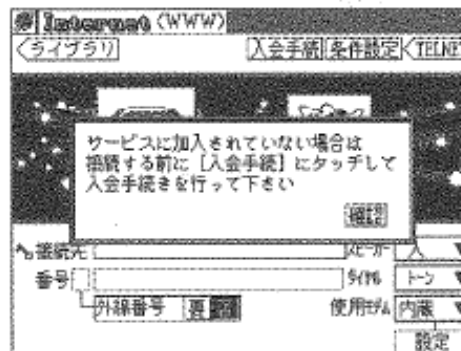
4 Touch Communication / Mail among function select keys.

ZaurusNet / Internet



5 Touch ZaurusNet / Internet.

A message about the membership registration procedure is displayed.



6 Touch Confirm.

An Internet opening screen is displayed.



About battery replacement

Dry cell battery replacement procedure

1

Turn the power off, and close the top cover. If a separately sold compact flash memory card, etc., has been installed, remove it. Set the card lock switch to the locked side.

2

After setting the battery replacement switch on the backside of the main body to the "release (for replacement)" side, set it back to the "locked (for use)" side (for a reset operation).

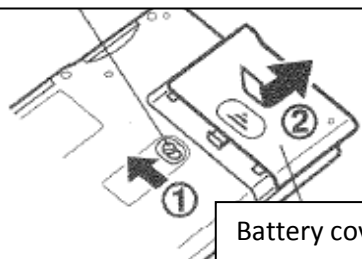
3

Set the battery replacement switch back to "release (for replacement)" side again. The battery cover cannot be removed unless it is on the "release (for replacement)" side.

4

Remove the battery cover on the reverse side.

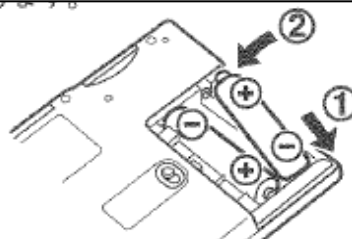
Battery replacement switch



Battery cover

5

Take the consumed batteries out, and install two new AAA alkaline batteries.



Please pay attention to the directionality when installing.

ださい

6

Install the battery lid.

7

Set the battery replacement switch to the "locked (for use)" side.

8

Open the top cover, and confirm that the power is on. If the power is not on, please repeat [the procedure] from step 1.

9

Confirm that the date and time are correct when the time setting screen is displayed. If incorrect, reset. (→page 12)

MEMO

- After inserting batteries, always install the battery cover, and set the battery replacement switch to the "locked (for use)" side. If the power does not come on, please re-install the batteries.
- About the time setting screen
"Tokyo" time is displayed on the time setting screen. Use the clock function in order to set the time to a city other than "Tokyo" (→ "Functions Volume" page 74).
- Clock data cannot be retained if battery replacement takes more than 10 minutes (at a normal temperature of 25°C or above). Please refer to the "Function Volume," page 74, for resetting the clock.

Specifications

Model Name	MI-106	MI-106M	MI-110M
Product Name	Mobile business tool		
CPU	32-bit RISC		
Main body memory	6MB (DRAM 2MB, flash memory 4MB) User area: approximately 3.1MB	6MB (DRAM 2MB, flash memory 4MB) User area: approximately 3.1MB	10 MB(DRAM 2MB, flash memory 8MB) User area: approximately 7MB
Display	320 x 240 dots, 3.9 size monochrome 16-gradation liquid crystal		
Character types used	Total character types: 6,879 types (JIS level-1 kanji: 2,965, JIS level-2 kanji: 3,390, non-kanji 524 characters)		
Internal dictionary	Approximately 145,000 words (including person and place names)		
Types of handwriting recognition characters	4,082 types (JIS level-1 kanji: 2,965, JIS level-2 kanji: 722, non-kanji 395 characters) Note: Filled-in symbols such as black circles, black diamonds, black squares, etc. are recognized as candidate characters. 1,035 types (characters can be recognized by searching radicals and components in the kanji dictionary)		
Number of possible input characters per 1 datum	Address book... approximately 600 characters Schedule... approximately 500 characters Action list... approximately 500 characters Report & free notes... approximately 1800 characters Ink word processor (for text characters only) ... approx. 20,000 characters Word processor... approximately 15,000 characters		
Size of 1 mail	Maximum length of mail main text... approx. 32,000 characters (approx. 64K bytes) If attachment included with main text... approx. 200 K bytes (after MIME conversion)		
Number of possible words registered in user dictionary	37 words (if 10 characters per word)		
Number of possible registered hand-written characters	100 characters, combining hand-written character registration and registration of irregular penmanship recognition		

Internal modem portion (for MI-106M/MI-110M only)

Communication speed	Modem: Max. 14400 bps (V.32bis) Fax: 14400/9600/4800 bps communication (G3 compatible)
Dialing method	Dial-pulse type, tone type
Control commands	Modem: AT commands Fax: EIA/TIA578 class 1
Auto-dialing function	Yes

Dictionary portion

Number of words in Japanese dictionary	Vocabulary... approximately 45,200 words
Number of words in kanji dictionary	Parent characters (kanji vocabulary)... 6,355 characters (JIS level-1 2,965 characters, JIS level-2 3,390 characters)
Number of words in English-Japanese dictionary	Vocabulary... approximately 33,500 words Idioms... approximately 4,000 words Synonyms... approximately 1 400 words Antonyms... approximately 1,500 words Sentence examples... approximately 10,400 words Words translated into Japanese... approximately 103,200 words Words in annotation... approximately 10,300 words
Number of words in Japanese-English dictionary	Vocabulary... approximately 35,500 words Derivative words... approximately 8,100 words Supplemental explanatory words... approximately 6,000 words Words translated into English... approximately 47,300 words

Supplement: Specifications

Spreadsheet portion

Size of worksheet	Max. 256 columns x 1024 rows
Number of graph preparations	Max. 20 (per workbook)
Number of worksheet preparations	Max. 32 (per workbook)
Graph selection area	Max. 40 columns x 40 rows
Number of structures in an equation	60 or less
Number of characters in a cell	255 half-size characters or less
Number of decimal places	Max. 15 decimal places
File size	128KB or less

Personal database portion

Number of database preparations	Max. 255
Size per entry	Text: Max. approximately 1800 characters Image: Max. approximately 126KB (Both text and image(s) can be registered as one entry)
Number of items per database	Max. 25 items (including photo items)

Calculator portion

Calculator function	10 digits (addition, subtraction, multiplication, division, constants, exponentiation, percentage, memory calculations, rounding, etc.)
---------------------	---

System clock portion

Time system	Switchable between 12-hour / 24-hour clock
World clock function	Display date • time of a reference city, and date • time of one of 239 major cities

Common portions

Power supply	For operation: 3V $\overline{\text{---}}$ (DC): 2 AAA alkaline dry cell batteries (LR03) (Note) Please use the specified batteries. Do not use manganese batteries or NiCd batteries.
Running time	Approx. 40 hours (When a calendar is continuously displayed) Approx. 20 hours (When 5 minutes of search (call) and 55 minutes of display state per hour are continuously carried out.) Approx. 60 minutes (When data communication (sending and receiving of signals) is continuously carried out by using an internal modem.) Approx. 110 minutes (When data communication (sending and receiving of signals) is continuously carried out by using a digital cellular phone adapter CE-DA5). Approx. 90 minutes (When data communication (sending and receiving of signals) is continuously carried out by using a PHS adapter CE-PA2). (Note) The figures above are under an operating temperature of 25°C. Running time varies depending on usage conditions such as the ambient temperature. (→ page 193)
Power consumption	MI-106: 0.5W, MI-110M: 1.0W, MI-106M: 1.0W
Operating temperature	0°C~40°C
External dimensions	Approximately 146mm (width) x 83mm (depth) x 15mm (thickness) (With the top cover closed. Excludes protrusions.)
Weight	MI-106: approx. 190 g, MI-106M: approx. 195 g, MI-110M: approx. 195g (All including batteries.)
Accessories	2 AAA alkaline dry cell batteries, touch pen (attached to main body), 4 volumes of user manuals, NIFTY SERVE Power Zaurus exclusive introductory package, InfoWeb/WildBird membership sign-up guide (Power Zaurus exclusive), Masternet membership sign-up guide, OCN dial access application, PC linking software "Zaurus Power Connection" (4 floppy disks, 1-volume user manual), MORE software collection CD-ROM (7-digit postal code conversion, 10-yen mail, etc.), MORE software collection CD-ROM user guide, connection cable (RJ-11 modular cable: 80cm) ^{※1} , information on customer service contacts, MI-106/106M/110M system guide, warranty documents ^{※1} : Not bundled with MI-106.

Specifications

Other functions and terminals

Optical communication functions	IrDA system (115kbps, IrTran-P compatible), ASK system Communication range: approx. 30 cm or less (When communication is carried out by allowing the optical communication terminals to face each other directly, with the left sides of the main bodies facing each other in a parallel manner. The communication range above may be shorter, depending on the model of the other unit.)
Connection terminal types	Option port 16 (16-pin terminal) RJ-11 terminal (for connecting to telephone line connection cable) <Excludes MI-106> Terminal for a portable keyboard
Card slot	Compact flash

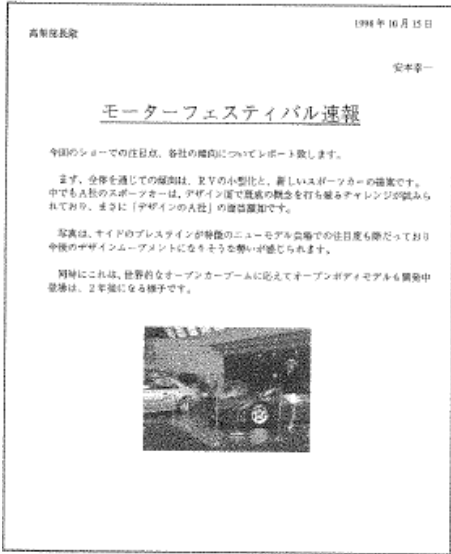
Guideline for amount of data which can be stored. (When using the main body memory region with each function alone. The figures below vary depending on conditions.)

Address book

	MI-106	MI-106M	MI-110M
Without profile photo	Approx. 9,400 entries	Approx. 9,400 entries	Approx. 21,700 entries
With profile photo	Approx. 890 entries	Approx. 890 entries	Approx. 2,070 entries

Number of Faxes received

When receiving copies similar to the one on the right (A4 size)
Approx. 119 pages (MI-106)
Approx. 119 pages (MI-106M)
Approx. 285 pages (MI-110M)



Supplement: Specifications

[Right Side of Page = Front Cover of Manual]

Mobile Business Tool

Model

MI-106

MI-106M

MI-110M

Power Zaurus Specifications

User Manual

Zaurus Communication Volume

Connections and settings of communication equipment

ZaurusNet (Internet, NIFTY SERVE communication, PC net communication),

sending mail, receiving mail, sending fax, receiving fax,

linking to PC (PC link), business card exchange, business card reader,

data exchange, printer (printing), all data retention/card

ZAURUS

Zaurus Pocket

[Spine]

Mobile Business Tool MI-106/MI-106M/MI-110M User Manual (Zaurus Communications Volume)

[Left Side of Page = Back Cover of Manual]

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Connection methods and settings for communication conditions are explained for communications using an internal modem, digital cellular phone adapter (a separately sold product), or a PHS adapter (a separately sold product).

Communication equipment needs to be connected and communication conditions need to be set for communication using the functions of the Internet, NIFTY Serve communication, PC net communication, sending mail, receiving mail, sending fax, receiving fax, and PC link.

With a PHS adapter CE-PA2, faxes cannot be received, and with a CE-PA1, faxes cannot be sent or received. (→ page 17)

These connections and settings are common to all functions.

Please refer to each function for the communication method.

Internet (→pages 21, 66), NIFTY Serve communication (→pages 47, 103),

PC net communication (→page 115), sending mail (→pages 34, 124),

Receiving mail (→pages 43, 137), sending a fax (→page 145),

Receiving a fax (→page 154), linking to a PC (PC link) (→page 161)

Connecting Communication Equipment

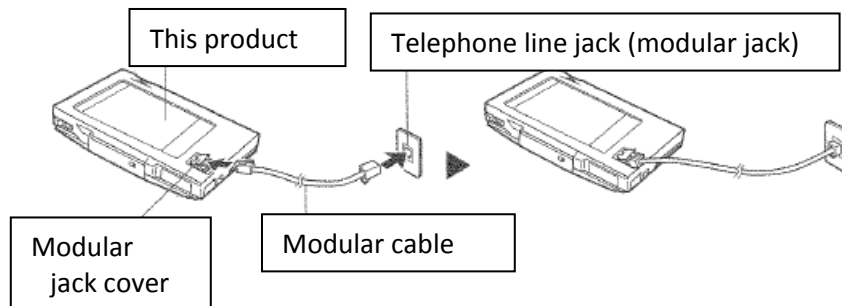
Connecting the Internal Modem

Since the MI-106M/MI-110 have an internal modem, data communication or sending and receiving of fax can be carried out easily via a telephone line.

* Sending/receiving of faxes is compatible with the G3 standard; sending/receiving is possible at a maximum communication speed of 14400 bps.

* For data communication as a modem, sending/receiving is possible at a maximum of 14400 bps.

Connecting to a Telephone Line



Connecting Communication Equipment

Communication
Equipment

1 Power off the product by touching **Off**.

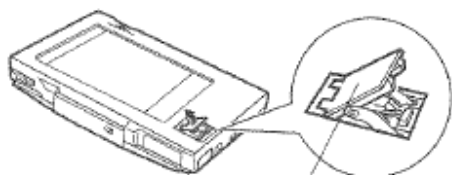
2 Remove telephone connection cable (modular cable) from telephone line jack (wall side).

Telephone line jack



Remove while
pressing on the tab

3 Gently pull out the product's modular jack cover until it stops. It can be opened easily by catching with a fingernail, etc.



Modular jack cover

4 Connect the internal modem and the telephone line with the accessory modular cable. Insert the connection terminal (modular plug) on the cable with the tab side up (outer side) until it clicks into a locked position.



If the tab does not easily lock into position, push the tab toward the modular jack cover side while pushing the modular cable in.



Caution

- Please carefully follow these precautions when using an internal model.
 - Internal modems are designed for use within Japan, and cannot be used overseas.
The built-in Modem is designed for use in Japan only.
It must not be used in any other country.
 - Normal communication may not be possible when using international communication or in cases where the distance from an NTT (Nippon Telegraph and Telephone Corp.) branch or a sales office is far, depending on the line conditions.
 - Please do not bring a magnet near [the product]. The effect of magnetism may prevent communication.
 - Please do not touch telephone line connection terminals directly with your hand, etc. Internal circuits may be destroyed by static electricity, etc.
 - Please avoid usage for purposes where the required reliability is higher than those for general equipment.
 - When the product is being connected to or removed from a telephone line, please do so after touching **Off** and the product is powered off.
 - When not communicating, please keep the modular cable removed from the product.

Kyocera PX 1004_623

Connecting Communication Equipment



Caution

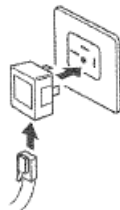
Communication
Equipment

- Cautions when using private business exchange (PBX) or home telephone, etc.
Failure of the internal modem may result unless the following precautions are observed.
 - When connecting to a private business exchange (PBX)
The internal modem will not function properly if the PBX's electrical properties are different from those of NTT (Nippon Telegraph and Telephone Corp.) telephone lines. Please confirm with the PBX manufacturer and companies in charge of maintenance, etc., that the telephone line is equivalent to a telephone line for general subscription.
 - Connection to a home key-telephone, business phone, phone with intercom capabilities, etc. cannot be made as is, since the electrical properties of the telephone lines connected to these phones are different from those of NTT telephone lines. Please consult NTT or the retail store from which you purchased such a telephone.

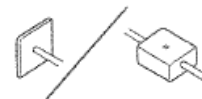
MEMO

- Modular cables connected to telephones and fax machines can be used with this product. Communication, however, may not go smoothly if the connection is made through a telephone or a fax machine. In such a case, connect the modular cable from the wall directly to this product.
- Connection to a telephone line which is not a modular type:

- 3-pin plug
Please purchase a commercially available 3-pin plug conversion adapter.



- Directly wired system
Installation work is needed. Please consult the retail store where the purchase was made, and request a licensed individual for the work.



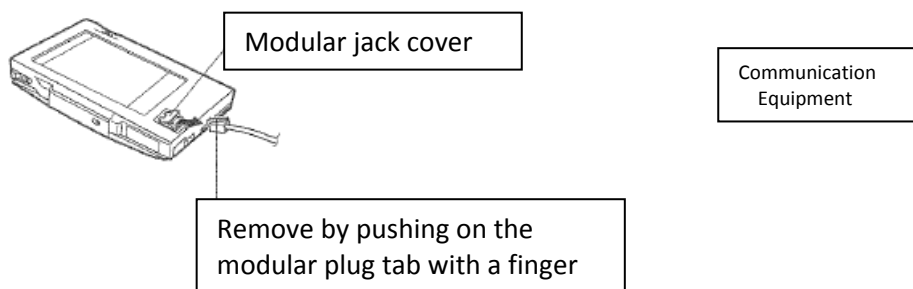
Warning

- In order to prevent damage, fire, etc. from lightning, please do not connect a telephone line connection cable (modular cable) to a telephone line connection terminal if there is a lightning warning in effect or if lightning is occurring nearby.



Connecting Communication Equipment

Detaching a modular cable

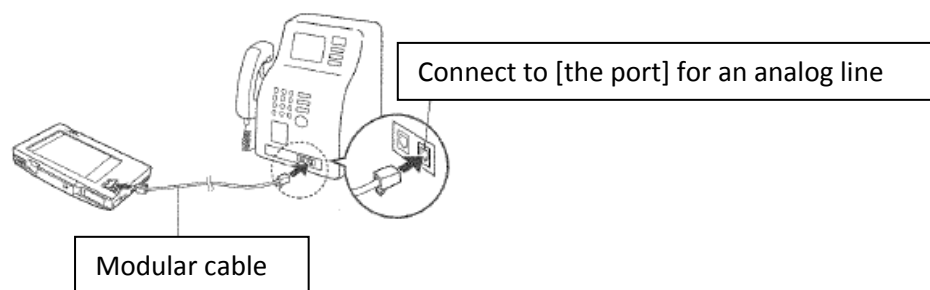


1 Touch **Off** and power the product off.

2 Push down the tab on the modular plug and pull it out.

3 Close the modular jack cover.

Connecting to a Digital Public Phone (ISDN compatible)



1 Open the front terminal cover on the public phone, and out of the two terminals, connect the accessory connector cable to the right-side terminal (analog line).

2 Switch the telephone and ISDN terminal by pressing the **Switch** button to the left of the connector terminals on the public phone.

3 Insert a telephone card or a coin.

4 Communication is carried out by dialing from this product.

MEMO

Please set “Dial” on each screen to “Tone” before using [this product] with a digital public phone (ISDN compatible).

ZaurusNet... The opening screen for each of the Internet, NIFTY Serve, and PC net.

Sending and receiving mail / send fax... The screen for setting conditions or the screen for send/receive of each function.

Receiving a fax... The screen for receiving a fax.

Communication
Equipment

Warning

Do not connect to a digital line. Communication cannot be carried out, and furthermore, doing so may cause product failure or heat generation and fire.

Connecting with a Digital Cellular Phone Adapter

Data communication and sending and receiving of faxes can be performed by connecting this product to a separately sold digital cellular phone adapter (CE-DA5/CE-DA4/CE-DA3/CE-DA2) and a digital cellular phone. Please refer to the respective user manuals for the details on the handling of digital cellular phone adapters and digital cellular phones.

Option port 16

Digital cellular phone

Arrow

Digital cellular phone adapter CE-DA5
Pay attention to the insertion orientation, and do not force it in.
Make letters “SHARP” face upward.

※A CE-DA1 cannot be used.
※An option port conversion adapter CE-HA15 is required for using CE-DA4/CE-DA3/CE-DA2.

1 Touch Off, and power off the product. 2 Power off the digital cellular phone. 3 Keeping the top cover of this product closed, open and store the cover on the option port 16, and then open the top cover and swing it over to the reverse side. The cover on option port 16 can be easily opened by catching with a fingernail, etc. 4 Connect the 16-pin connector on the digital cellular phone adapter CE-DA5 to the option port 16 (16-pin terminal) horizontally. Please make sure at this point that the top/bottom orientation is not incorrect.	5 Open the cover on the digital cellular phone. 6 Connect the digital cellular phone and the digital cellular phone adapter. With the arrow mark facing up, make a straight connection into the connector on the digital cellular phone. <u>The connector orientation may be reversed depending on the model of the digital cellular phone.</u> If the cellular phone connector terminal does not go into the digital cellular phone, try connecting with the connector portion flipped over. <u>When doing so, please do not force it in.</u> If you feel even slight resistance, try again with the [connector] flipped back to the front side up. Insert the cellular phone connection terminal until it “clicks” into a locked position.
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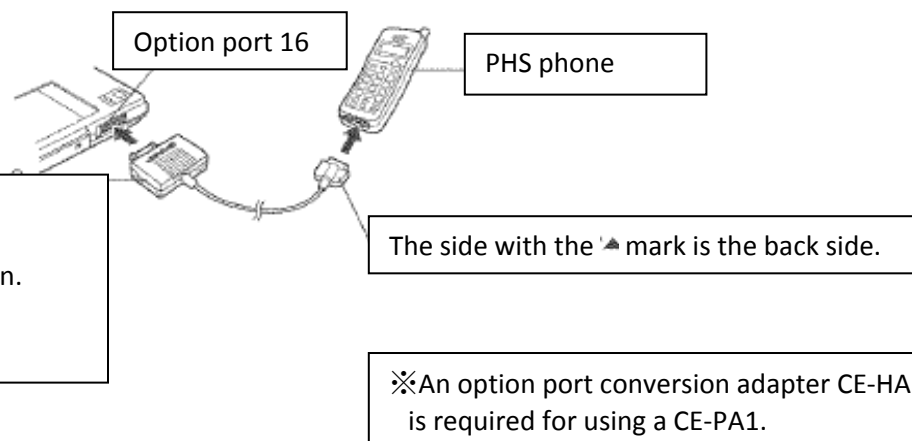
MEMO

Communication
Equipment

- An option port conversion adapter CE-HA15 is required for using CE-DA4/CE-DA3/CE-DA2.
- When using a digital cellular phone adapter and a digital cellular phone, please carefully follow the handling precautions provided in their respective user manuals.
- Please note that communication may become unstable or interrupted depending on radio wave conditions and low battery charge at the digital cellular phone, etc.
For details, please refer to the user manual of the digital cellular phone.

Connecting with a PHS Adapter

Data communication can be performed by connecting this product to a separately sold PHS adapter (CE-PA2/CE-PA1) and a PHS phone. With a CE-PA2, only fax transmissions can be performed. With a CE-PA1, faxes cannot be transmitted or received. Please refer to the respective user manuals for the details on handling of PHS phone adapters and PHS phones.



- 1 Touch "OFF", and power off the product.
- 2 Power off the PHS phone.
- 3 Keeping the top cover of this product closed, open and store the cover on the option port 16, and then open the top cover and swing it over to the reverse side. The cover on option port 16 can be easily opened by catching with a fingernail, etc.
- 4 Connect the 16-pin connector on the PHS adapter CE-PA2 to the option port 16 (16-pin terminal) horizontally.
Please make sure at this point that the top/bottom orientation is not incorrect.

- 5 Open the cover on the PHS phone.
- 6 Connect the PHS phone and the PHS adapter.
With the side which carries a '▲' mark as the back side, make a straight connection into the connector on the PHS phone. The connector orientation may be reversed depending on the model of the PHS phone. If the PHS connector terminal does not go into the PHS phone, try connecting with the connector portion flipped over. When doing so, please do not force it in. If you feel even slight resistance, try again with the [connector] flipped back to the front side up. Insert the PHS connector terminal until it "clicks" into a locked position.

Selecting a Telephone Line and a Modem for Use

MEMO

- An option port conversion adapter CE-HA15 is required for making a connection with a CE-PA1.
- When using a PHS adapter and a PHS phone, please carefully follow the handling precautions provided in their respective user manuals.

Communication
Equipment

Selecting a telephone line and a modem for use:

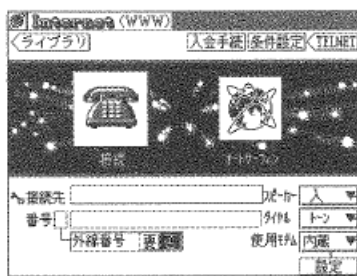
Speakers, Dial, Modem for Use

Selections of modem type to be used and telephone line are performed on the following screens depending on the function.

- * Internet, NIFTY Serve communication, PC net communication... The opening screen of each function
- * Sending/receiving mail (Internet mail, NIFTY mail, remote mail), fax transmission... The screen for setting conditions (or the send/receive screen of each function)
- * Receiving a fax...The screen for receiving faxes
- * PC link (telephone line connection) ... The PC link (PowerPIMM link) screen

Select telephone line type

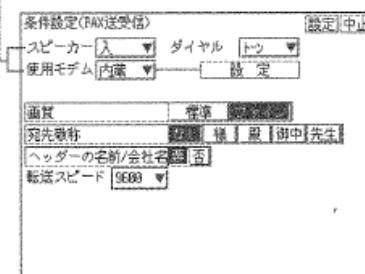
Modem sound (dial tone,
communication sound) ON/OFF



Internet Opening Screen

Select modem type to be
used

Settings are done here



Screen for Setting Conditions for Fax
Transmission (Fax Transmission/Receiving)

1 Display the opening screen or condition setting screen of each function (→ MEMO on the next page)

2 Set modem sounds (dial tone and communication sound) ON/OFF in "speaker." Touch the right-side cell in "speaker" (inside the frame) and touch **On** or **Off** in the displayed menu.

3 Select a telephone line type in "dial." Touch the right-side cell (inside the frame) in "dial" and touch the telephone line type to be used (either **Tone**, **Pulse 20**, **Pulse 10**) in the displayed menu.

Selecting a Telephone Line and a Modem for Use

Communication
Equipment

4 Select the communication equipment in “modem to be used.”

Touch the right-side cell (inside the frame) in “modem to be used,” and select **Internal** for an internal modem, **External** for a digital cellular phone adapter or a PHS adapter.

MEMO

- To display the opening screen of each function
 - Internet… Touch **Communication/Mail** followed by **ZaurusNet/Internet**.
 - NIFTY Serve Communication… Touch **Communication/Mail** followed by **ZaurusNet/NIFTY**.
 - PC net… Touch **Communication/Mail** followed by **ZaurusNet/PC net**.

- To display the condition setting screen

Sending mail Receiving mail	Touch Communication/Mail followed by Send mail or Receive mail .	Touch Menu Setting on IN/OUT box screen.	Internet… touch Set conditions (Internet) NIFTY mail… touch Set conditions (NIFTY) Remote mail… touch Set conditions (remote)
Sending fax	Touch Communication/Mail followed by Send fax .		Touch Set conditions (Fax)
Receiving fax	Touch Communication/Mail followed by Receive fax .	Display fax receiving screen.	
PC link (telephone line connection)	Touch Communication/Mail followed by PC link	Select PowerPIMM link in “format”, Telephone line connection in “connection method,” and display the PC link (PowerPIMM link) screen.	

- To prevent dial tones and communication sounds from playing (speaker)

If there is no need to confirm the dial tone or communication sounds, etc., select **Off** in “speaker.”

With a digital cellular phone adapter or a PHS adapter, no sound will be played even if the “speaker” is set to **On**.
- To select a telephone line type (dial)

Always set the telephone line type to be connected. Set it to “tone” for a digital cellular phone adapter, and either “tone” or “pulse” for a PHS adapter.

 - Tone… push(tone) line
 - Pulse 20… dial line (20 PPS)
 - Pulse 10… dial line (10 PPS)

Please consult NTT (Nippon Telegraph and Telephone Corp.) for telephone line types.

[page 15, continued]

You can roughly distinguish between tone type and pulse type by the sound heard from the receiver when making a phone call.

- Tone type... sounds like “pi-po-pa”.
- Pulse type... sounds like “ji-ji-ji” or “ta-ta-ta”.

A telephone on which you turn a rotary dial is the pulse type.

The type of telephone line is selected with “dial.” Do not set it to ☐ No under normal circumstances.

Automatic dialing will not be done if ☐ No is selected.

MEMO

- To select a modem to be used (modem for use)

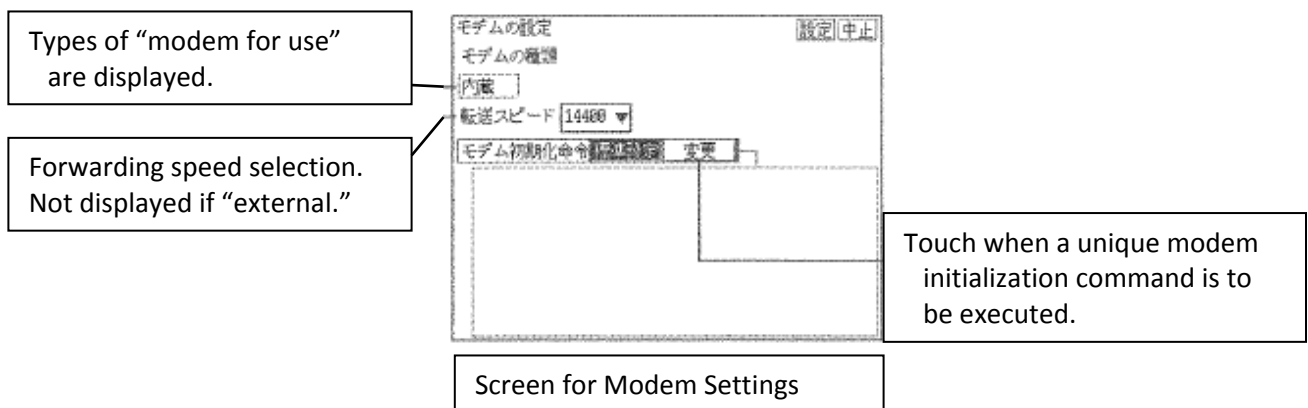
Select **Internal** when connecting an internal modem to a telephone line. Select **External** when connecting a digital cellular phone adapter or a PHS adapter. Whether this product is connected to a digital cellular phone adapter or to a PHS adapter will be automatically determined if the “modem for use” is set to “external.”

Communication
Equipment

Setting up Modems and Adapters

Settings

In order to carry out communication, communication conditions for the modem and digital cellular phone adapter, etc. must be set. Normally, communication is possible with the standard settings.



- 1 Display the opening screen or condition setting screen of each function (→ MEMO on the previous page)
- 2 Touch **Settings** located on the lower right of “modem for use.”
The screen for modem settings is displayed.

- 3 Check the right-side cell (inside the frame) of “forwarding speed.”
Normally, it is OK to leave the displayed number as is.
- 4 Touch **Standard settings** in “modem initialization commands.”
- 5 Touch **Settings**.

MEMO

- About Settings

Normally, connection is possible with the originally set conditions (standard settings). If a mistake is made in settings, touch **Standard settings** in “modem initialization commands” to set them to the standard conditions.

- Modem type... “internal” for an internal modem, and “external” for a digital cellular phone adapter or a PHS adapter is displayed.
- Forwarding speed... sets the communication speed.
Speeds less than 14400 bps can be selected for internal modems.

[page 16, continued]

※Please set it at “14400” under normal circumstances. The communication speed of the internal modem will be set automatically to match the communications speed of the modem on the other end when a connection is made. When a connection is difficult to establish, try a setting with an appropriately lowered speed. (Continued on next page.)

Confirming Settings on Digital Cellular Phones and PHS Phones

MEMO (continued from the previous page)

- Modem Initialization Command... Sets a command for initializing a modem / adapter. Normally, “standard setting” is selected. When a unique modem initializing command is inputted, touch **Modify** followed by touching below the frame, and then enter a command on the modem initialization command setting screen, then touch **Settings**.

Communication
Equipment

Confirming Settings on Digital Cellular Phones and PHS Phones

Confirming settings on a digital cellular phone

Before communication, confirm that the display on the digital cellular phone is “inside the network.” If “outside the network” is displayed, a signal cannot be received. Please begin communication after moving to a location where the signal is received.

Also, receiving a fax may not be possible if the digital cellular phone is set up for a voicemail service.

Please turn off the voicemail service setting.

Please refer to the digital cellular phone’s user manual for settings.

Confirming settings on a PHS phone

Set the PHS phone to the mode where a PHS service will be selected when making a phone call. When being used as a cordless phone (when being used as a home station or an office station not compatible with 32K data communication), data communication cannot be done. Please refer to the PHS phone’s user manual for settings.

Also, please confirm on the PHS phone’s display that the signals can be received at the [phone’s] location (the antenna symbol which indicates the signal level is up, etc.).

MEMO

- About data communication and sending/receiving fax when a digital cellular phone adapter or a PHS adapter is used:

Model		Data Communication	Sending Fax	Receiving Fax
Digital Cellular Phone Adapter	CE-DA2	?	?	?
	CE-DA3			
	CE-DA4			
	CE-DA5	?	?	?
PHS Adapter	CE-PA1	?	X	X
	CE-PA2	?	?(※ 1)	X

?: Possible X: Not Possible

※1: Fax sending is possible via PTE.

※Data communication and fax sending/receiving cannot be done using a CE-DA1.

Making a connection via PTE

Communication Equipment

Making a Connection via PTE

There are connection access points using a PHS adapter which are PIAFS (PHS Internet Access Forum Standard) compatible access points and there are connections which are non-compatible access points. Direct connection can be made with PIAFS compatible access points. Connections through the PHS service company's protocol transformation equipment (PTE)* is required for access points which are not PIAFS compatible. Please consult the PHS service company for the phone number of the transfer point PTE and fees for using the PTE, etc.

※Protocol Transport Equipment (PTE): equipment which transforms PIAFS data signals into analog modem signals.

For the selection methods for PIAFS compatible access points for each communication [type], please refer to the section for access point selection for each function.

Here, an explanation is provided for settings for a transfer point to which a connection is made via a PTE.

MEMO

- When a fax is sent using a PHS adapter, please make the transmission through a PTE dedicated to fax transmission. It is not possible to send a fax directly to a fax number.

Setting a Transfer Point for PHS

Setting a PHS Transfer Point

Up to 3 points can be set as PHS transfer points on the screen displayed after selecting the access point of each communication [method].

- Internet, NIFTY Serve communication, PC net communication... The opening screen of each function
- Send mail • receive mail (Internet mail, NIFTY mail, remote mail) ... The screen for sending single mail, each screen for receiving mail
- Send fax... The screen for sending a fax
- PC link (connection to a telephone line) ...The PC link (PowerPIMM link) screen



ZaurusNet PHS Transfer Point Setting Screen

Communication
Equipment

1 Select an access point and display an opening screen which displays the access point and the phone number, a screen for sending a single mail, or a fax transmission screen. (→ MEMO on page 15, page 40, page 146)

2 Touch the cell (inside the frame) to the right of “modem to be used,” followed by **External**.

3 Touch **Settings** to the right of “PHS transfer point.”
The PHS transfer point setting screen is displayed.

4 Enter the name of the transfer point in “Transfer point name” in “Transfer point A,” and the telephone number of the transfer point in “Transfer point number.”
5 Make entries in “Transfer point B” and “Transfer point C” as needed.
6 Touch **Settings**.

MEMO

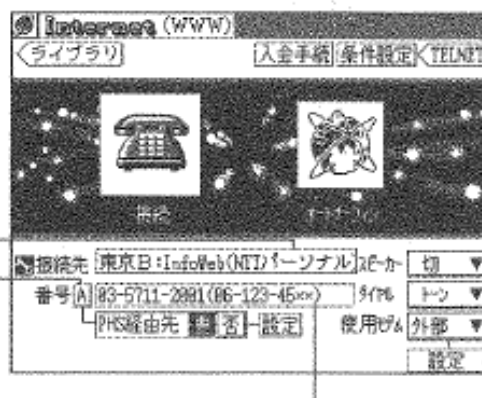
* Ask the PHS service company for the telephone number of the transfer point. A “*” mark after the telephone number of the transfer point is unnecessary since it will be added automatically.

Selecting a PTE Transfer Point

Communication
Equipment

Name of transfer point

Upon touching, changes
from
A→B→C→A...
A, B, and C correspond to
“transfer point A,”
“transfer point B,” and
“transfer point C.”



Telephone number of transfer point

1 Select an access point, and display an opening screen which displays the access point and the phone number, a screen for sending a single mail, or a fax transmission screen. (→ MEMO on page 15, page 40, page 146)

2 Touch the cell (inside the frame) to the right of “modem for use,” followed by **External**.

3 Touch **Necessary** in “PHS transfer point.”

4 Touch **A**, etc., in “number” and select a transfer point.
The name of the transfer point and its phone number are displayed in ().



Caution

- During optical communication, please do not talk on a cell phone or a PHS nearby. Communication errors may result. Please talk at a location distanced [from the point of communication].

Quick
Start

Quick Start

Connect to the Internet, and open Zaurus Plaza (the Zaurus home page) and other home pages using the Internet browser. Here, you will also send an email to yourself, and receive it. Furthermore, by connecting to NIFTY Serve, you will view a variety of information, enter a meeting room and make comments. When displaying a home page with this product, the home page is displayed in a 16-gradation grayscale.

Quick
Start

Internet Quick Start

Connecting to the Internet

Let's connect to the Internet!



Flow of Operations

Have you completed the following preparations?

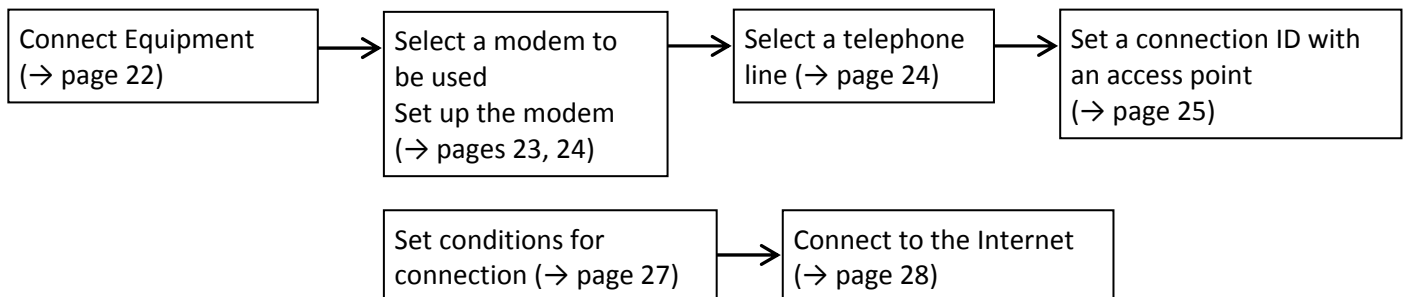
Sign up with a provider (Internet access company)



Obtain a connection ID, connection password, etc.

If you have not yet signed up with a provider, please sign up, and obtain a connection ID, connection password, etc. Descriptions here assume that you have completed the sign-up process by carrying out an online sign-up with InfoWeb according the attached "InfoWeb/WildBird Sign-Up Guide (Power Zaurus Exclusive)," and that you have a connection ID and a connection password, etc.

The flow leading up to a connection to the Internet is as follows:

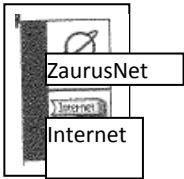


Internet

Advantages of the Internet Browser

- **HTML 3.2 incorporated, and rich in expressive capabilities**

The Internet browser in the MI-100 series incorporates HTML 3.2 specifications in important places, and therefore has rich expressive capabilities.

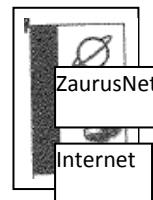


- It can display images not only in GIF format, but also in the commonly found JPEG format on a page in 16-gradation grayscale. (Not compatible, however, with the progressive JPEG [format])
 - Small animated GIFs of up to approximately 100KB can be displayed. (Up to 10 can be displayed on a single page.)
 - Compatible with client-side clickable maps. By clicking inside the displayed figure, you can jump to the page which corresponds to that portion.
 - Images displayed on a page can be downloaded, and displayed/managed in photo memory (→ page 91).
 - Pages composed of frames can also be viewed by displaying them frame by frame. (→ page 87)
 - By touching a mail sending icon or a mail address, a new yet-to-be-sent mail with the recipient's mail address is prepared. After ending the Internet connection, a mail can be prepared and sent with a mail sending function (→ page 92).
- **Internet Library function (→ pages 32, 33, 98)**
 - Among the home pages you are viewing while connected to the Internet, the ones you would like to save can be downloaded to the Internet Library.
The data downloaded to the Internet Library can be displayed offline (without being connected to the Internet).
 - Data prepared with a PC's Microsoft PowerPoint 95 or PowerPoint 97 which has been saved in HTML format can be displayed by downloading to the Internet Library using the PC link software, "Zaurus Power Connection." This can be utilized as a presentation tool when you are traveling.
 - **Page Marking Function (→ page 93)**
 - Among the homepages you are viewing, your favorite ones' addresses (URLs) can be downloaded to the marked page list and saved, just by touching the **Mark** icon. A downloaded marked page can be quickly specified from the marked page list next time you would like to view that page.
 - You can create folders and store the saved marked pages by categories such as purpose, type, etc. Marked pages can be easily rearranged or moved from folder to folder.
 - **Auto Surfing Function (→ page 97)**
 - When auto surfing is executed by specifying a page you would like to view from the marked page list, a connection to the Internet is made, and terminates after the data on the specified page is automatically saved in the Internet Library. The downloaded page can be viewed offline at your own pace by using the Internet Library function.



Warning

- Display using the Internet browser installed in this product is partially different or limited in the following ways in terms of character fonts and sizes, images, and voice data handling compared to the WWW browser widely used in PCs, etc.
 - Some functions in the HTML 3.2 specifications, such as plug-in applications, which are not supported by this product will not run. Due to this, portions of the display may not be visible or display may become irregular at times.
- Home pages are displayed in 16-gradation grayscale. (Color attributes are retained.)
- Videos cannot be displayed.
- Audio cannot be played.
- Only animated GIF data with small data sizes can be displayed.
- Some JPEG format data, such as progressive JPEG, cannot be displayed.
- Correct display is not possible when a large table of data is received.
- Large data exceeding the cache size cannot be received and displayed.
- Software intended for PCs cannot be downloaded.
- Incoming characters other than the character codes this product has will not be correctly displayed.
- Due to the small number of font sizes this product has, display may not be made according to the font size distinctions specified by the HTML source.
- Mail cannot be sent directly from a browsing screen.
- When displaying a home page with this product, images, etc. which are used in the background of the home page are not displayed. Please note that the screen is different from instances where the home page is displayed by using a PC, etc.



If You Have Joined InfoWeb through Online Sign-up

If you join InfoWeb through Online Sign-Up with this product, immediate connection to the Internet is possible simply by setting the telephone line type and the modem to be used, since your connection ID, password, and other necessary settings information will be automatically registered in this product.

If you have joined InfoWeb through Online Sign-Up, please proceed to the section "Connecting to the Internet" after going through the settings on the telephone line type and the modem to be used, etc., according the explanations on page 24.

In the automatic settings by Online Sign-Up, the password input method is set to "automatic." In order to switch this to "each time," please make sure that the password is written down on paper, etc., and set to "each time" according to the explanations on page 26. Similarly, when setting an official password issued by InfoWeb after Online Sign-Up, re-set the password by referring to page 26.

Settings for Communication Status

Setting Conditions

Please refer to page 27 for operations for setting the status while connected to the Internet.

MEMO

* About the contents of settings on the condition setting (Internet) screen

Can be used under the standard status. If an incorrect setting has been made, touch

Standard Settings.

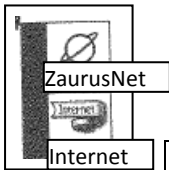
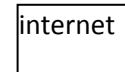
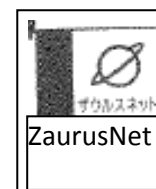


Image Display...	Specifies whether image (picture) data is displayed, or only text is displayed. Yes... image data is displayed. No... only text data is displayed.
Open Home Page...	Specifies whether the home page with the specified address (URL) is to be opened when an Internet connection is established. Automatic... the home page specified in "address" below is automatically opened when a connection to the Internet is established. No... a home page is not opened when a connection to the Internet is established.
Standard Font Size...	Specifies the size of characters to be used when a font size is not specified in the HTML data.
Prioritized Character Code...	Specifies a prioritized character code recognition for characters which are difficult to distinguish when character codes are automatically recognized. Normally, "SJIS" is set.
Cache...	Specifies the cache memory to be used during communication. Main flash... uses the cache in the main body memory Card flash... uses the cache in the card
Capacity...	Specifies the maximum size of the cache memory to be used. By touching   , the capacity is increased / decreased by 32KB increments. (Specify within the range of 0 to 8192KB)
Page Update at Every Connection...	Sets whether or not the previously opened page (data remaining in the cache) is to be updated to the latest information the next time it is opened with a connection.
Proxy Server...	A substitute server. The data downloaded once by the user is stored on the proxy server, and upon next access, the data on the proxy server is referenced instead of referencing the actual home page, thereby lowering the network load. When the provider recommends the use of a proxy server, set it to "yes" here, and specify "address" and "port."

MEMO

* Methods for Scrolling and Moving the Cursor among Input Items on the Condition Settings (Internet) Screen



Characters are scrolled and input if a string of characters longer than the input item frame is entered when inputs to “open a home page” or “proxy server” address specification cells are being made. Displaying the hidden characters by scrolling inside the input item is carried out by moving the cursor by touching  or  at the right side of the input line of the input board. At this time, please leave the input line of the input board blank. Touching  when the cursor is at the right end of the input item displays the hidden characters on the right side of the input item, and touching  when the cursor is at the left end of the input item displays the hidden characters on the left side of the input item.

The method for moving the cursor in input items is applicable for making inputs in the screens of other functions.

* About Cache

* “Cache” is a location for temporary storage of homepage data received by the Internet browser, and it can be placed within the main body memory (“main body flash”) or within a compact flash memory card (“card flash”). It can be set up in the “main body flash” or a “card flash” (if a compact flash memory is used) when an internal modem, digital cellular phone adapter, or a PHS adapter is used.

* When the Internet browser loads data from a home page and displays it, the data which is being loaded is downloaded into the cache sequentially. However, if the amount of data exceeds the specified cache size, the data which was loaded the earliest (the oldest) is deleted first, and only the newest data is always stored in the cache.

* The number specified in “capacity” in “cache” shows the maximum memory size which can be used as cache memory. When available areas are running low due to an increase in data to be written into the main body memory (or a compact flash memory card), that data will be written into areas in the cache memory. As a result, the specified capacity of cache memory cannot be secured. In such instances, a message about the currently secured cache memory size will be displayed when the Internet browser is being started. (→ page 83)

* The cache contents will be cleared if the setting for “capacity” in “cache” is made smaller than the currently set value.

* The cache contents cannot be viewed with this product.

Contents of ZAURUS PLAZA (Zaurus home page)

ZAURUS PLAZA (the Zaurus home page) is a page which provides information and services catering to Zaurus users. This ZAURUS PLAZA is in "WildBird," an information service for mobile information terminals and mobile personal computers.

The following is the ZAURUS PLAZA address (URL).

<http://www.wildbird.or.jp/zaurus/>



*The screen design and contents of ZAURUS PLAZA are modified as needed.

ZAURUS PLAZA (Zaurus home page) Screen

Address service for easy usability of WWW (World Wide Web)

WWW addresses separated by purpose are provided, so the information you need can easily be viewed even if you do not know the address (URL) of each home page.

***Action Index**

Specifying actions such as sightseeing, staying in a hotel, and shopping, and region (name of prefecture) displays a list of address names (URLs) in which related information is published.

***Business Information**

Displays a list of address names (URLs) containing information useful for business, such as newspapers, magazines, and corporate information.

***Personal Information**

Displays a list of address names (URLs) containing information useful for leisure time such as TV, movies, music, and travel.

***Regional Information**

Displays a separated-by-region list of address names (URLs) of local municipalities, local newspapers, and universities, etc., in which information convenient for each region has been prepared.

***Reservations, Shopping**

Displays a list of address names (URLs) for airline tickets and hotel reservations, purchasing books, shopping malls, etc.

***Timetables**

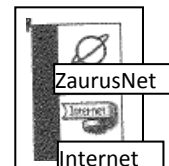
Displays a list of address names (URLs) of capital region and Kinki region train timetables. As for the Bullet Train timetables, the needed portions of the timetable can be obtained by specifying a departure station, arrival station, and time.

Information Offering Services for Further Utilization of Zaurus

You can view the information you would like to take with you when you are out and about, or on a business trip.

***ZAURUS Library**

Information you would like carry with you on a Zaurus, such as subway maps, subway exit guides, and MORE software can be viewed or downloaded to your Zaurus.

**Related Information Services for a More Pleasant Zaurus Usage**

You can view information on how to utilize a Zaurus with greater convenience.

***ZAURUS Bulletin Board**

A section which comes with information necessary for using a Zaurus (Q&A information, peripheral equipment, precautions during use, etc.).

***ZAURUS Product Information**

A section which comes with information for more convenient use such as new product information for Zaurus and related books.

Other Convenient Sections***Zaurus Photo Club**

Take a photo with MI-500 series/MI-10 in which a digital camera card is installed, write and add various messages, and immediately send it off with an e-mail on the spot. For business and private use, you can use it in various ways. This section comes with many photos which take advantage of [this function].

***Web Navigator**

A search program for mobile terminals. It quickly searches for the information you would like.

***Membership Information**

A section for member services, such as information on InfoWeb usage fees and password/nickname changes.

MEMO

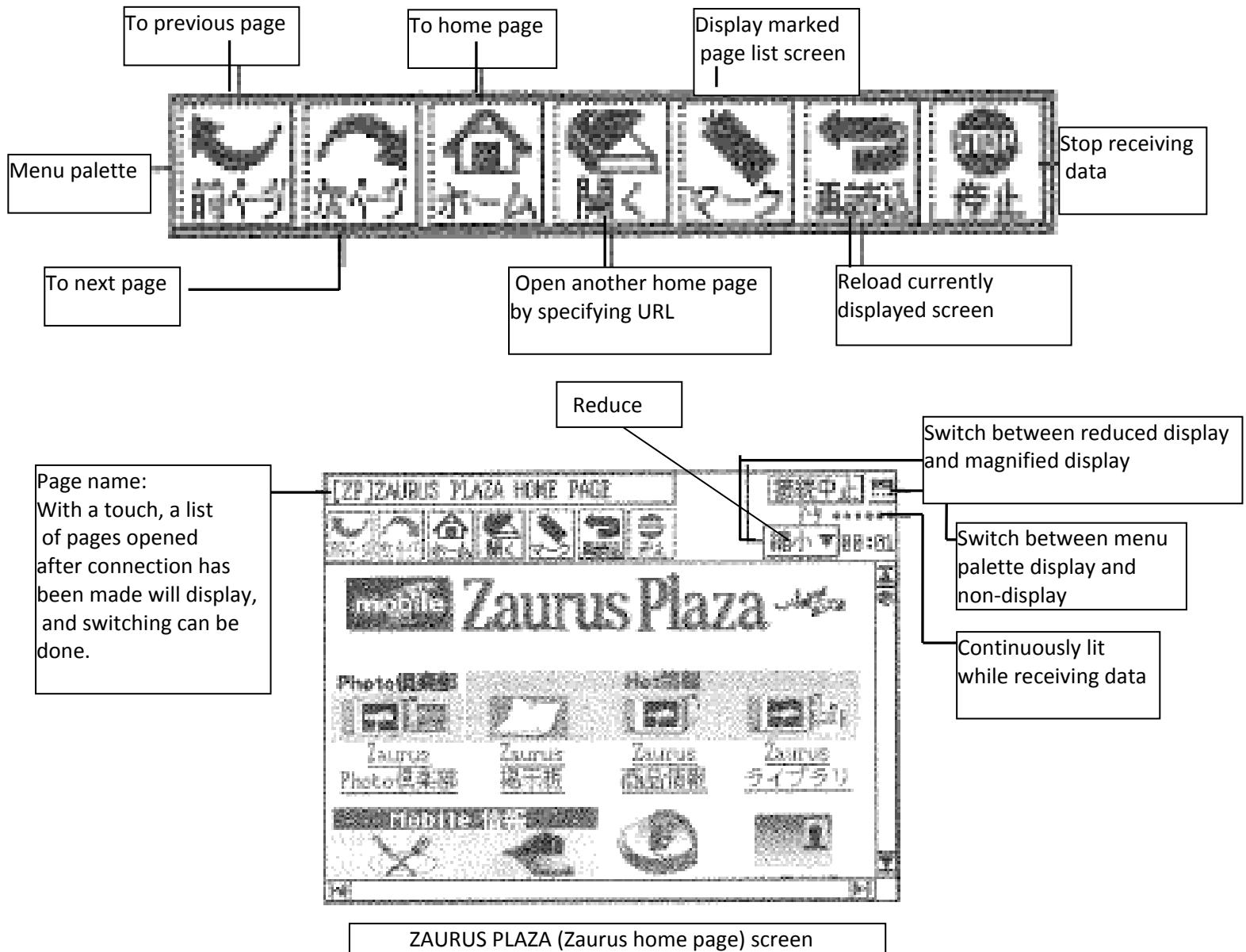
*Besides the menu above, there is "Newly Arrived Information," where you can view new services and data update information, etc.

*** ZAURUS PLAZA Menu**

There may be occasions when the ZAURUS PLAZA menu is updated.

[page 86]

Internet Controls on the Screen While Connected



MEMO

* To switch the screen from a reduced view to a magnified view, touch **Reduce ▼** followed by **Magnify**. To switch back from a magnified view to a reduced view, touch **Magnify ▼** followed by **Reduce**.

* Page loading will go faster if the images on the displayed page are set not to be displayed. To set no-display of images, touch **Menu** and, **Display ▼**, followed by **Do Not Display Images**. To set it back to display images, touch **Menu** and, **Display ▼**, followed by **Display Images**. If the connection is discontinued, the setting regarding whether images are displayed or not will be shown on the condition setting (Internet) screen at the subsequent connection.

*** To copy the URL of the displayed page or a string of characters:**

Touch **Menu** and **Copy** when you would like to copy the URL of a displayed page.

Highlight the string of characters by tracing them, and touch **Menu** and **Copy**. A copied URL and character string can be pasted on other functions' new entry/correction screen, after the connection has been terminated.

*** To change the displayed Kanji code (Shift-JIS/EUC):**

Touch **Menu** followed by **SJIS↔EUC Code ▼** and then **SJIS** or **EUC**. The currently selected kanji code is indicated by a check mark to the left of either SJIS or EUC. Try changing the setting when the Japanese (kanji) does not display correctly.

* In cases where you are opening the same page many times, you can open it more easily the next time after registering it as a marked page. (→page 93)

MEMO

- * To switch to the previously opened page:

The names of previously opened pages are displayed by touching the page name on the upper portion of the screen. You can switch to the selected page by touching once or twice the page you would like to open.

- * The first home page to be displayed when an Internet connection is established:

Select **Automatic** in "open a home page" on the condition setting (Internet) screen, and specify a home page address (URL) in "address" to open that page first upon connecting to the Internet.

The following ZAURUS PLAZA (the Zaurus home page) address has been set initially.

<http://www.wildbird.or.jp/zaurus/>

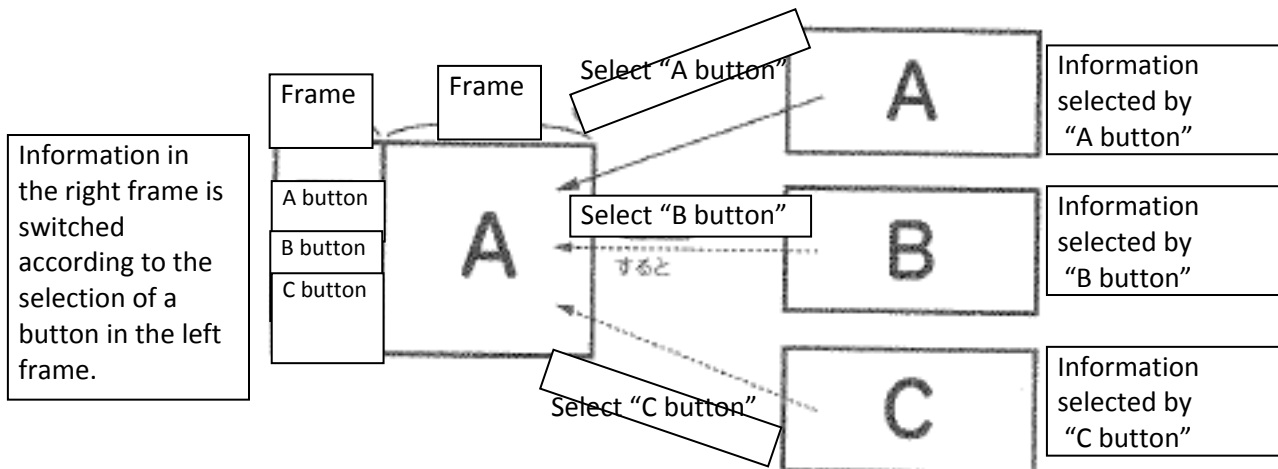


About Reloading

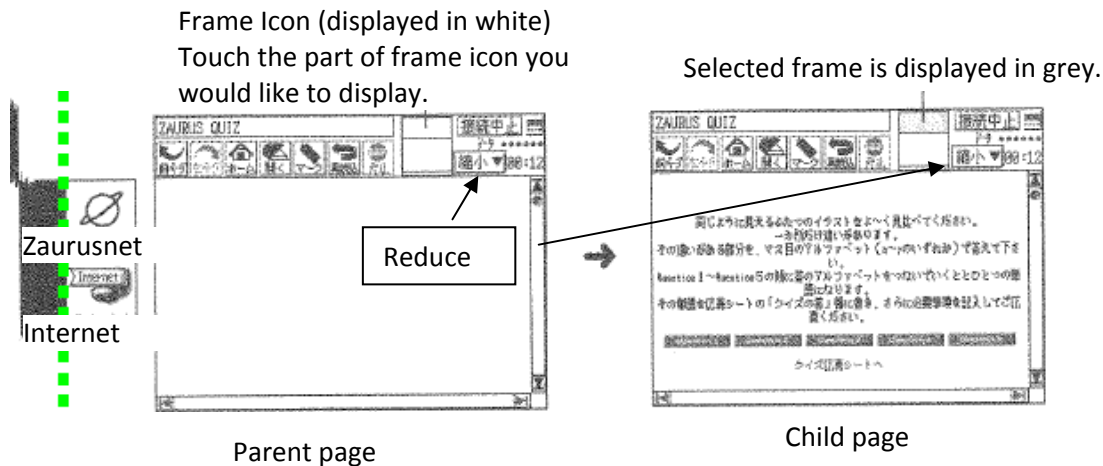
If the setting is "update page every time a connection is made" in the condition setting (Internet) screen, cache data is checked every time a connection is made, and when the target page is not found in the cache or when such a page exists but the cache data is old, that page is downloaded from the website and the latest page content is displayed. If a comparison with the cache data shows that the data has not been updated, the cache content is displayed. If the setting is "do not update page every time a connection is made," the target page is downloaded from the website when there is no such page in the cache, but if there is, [the cache data] is displayed. Therefore, it may be necessary to touch **Reload** and update the page as needed, since the displayed page may not be the latest [page].

Switching Pages with Frames

A frame is a function in which a single page is divided into a certain number of boundaries so that the information displayed within the boundaries can be freely switched. Searching for information will be easier since only the information within the boundaries is switched instead of switching the whole screen.



On this product, a white frame icon is displayed on the upper right of the screen for pages with a frame, and when changing the frame to be displayed on the screen, switching is done by touching the portion of the frame icon you would like to display. The touched portion turns grey, and information in the selected portion (child page) is displayed.



When returning from a child page to a parent page, touch the page name on the upper left of the screen, and touch the page name of the parent page in the page name list. If the same page name recurs, touch its leading page name (at the very bottom).

Entering Characters

When performing Internet searches or reserving airline tickets, etc., a space for entering characters is displayed. Please make entries in the following manner.

1 Touch the space for entering a name, etc.
A character entry screen will be displayed.

2 Enter characters, and touch **Enter**.
Characters are entered into the entry space.

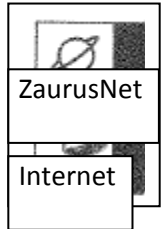
Saving Audio Data

This product is not compatible with audio data playback; however, when an icon or characters indicating a link to audio data is displayed on a displayed page, the audio data can be saved and sent to a PC, etc. for playback as follows.

1 Connect to the Internet, and display a page with an icon or characters indicating that audio data has been pasted.

2 Touch this icon or the part displayed in characters. A screen with a **Save** button will be displayed. Audio data cannot be played with this product.

3 Touch **Save** if you would like to save the audio data. The data will be written in “PC data” as data for read-in (importing).



**Saving All Data
/Card**

Saving Complete Data/Card

The complete [set of] data registered in the main body can be copied and saved in a compact flash memory card (sold separately). After the complete data is saved, the amount of data which can be registered in the main body is increased by deleting from the main body the data which is not used frequently.

Also, the complete data in the main body can be backed up to a compact flash memory card or to another MI-100 series.

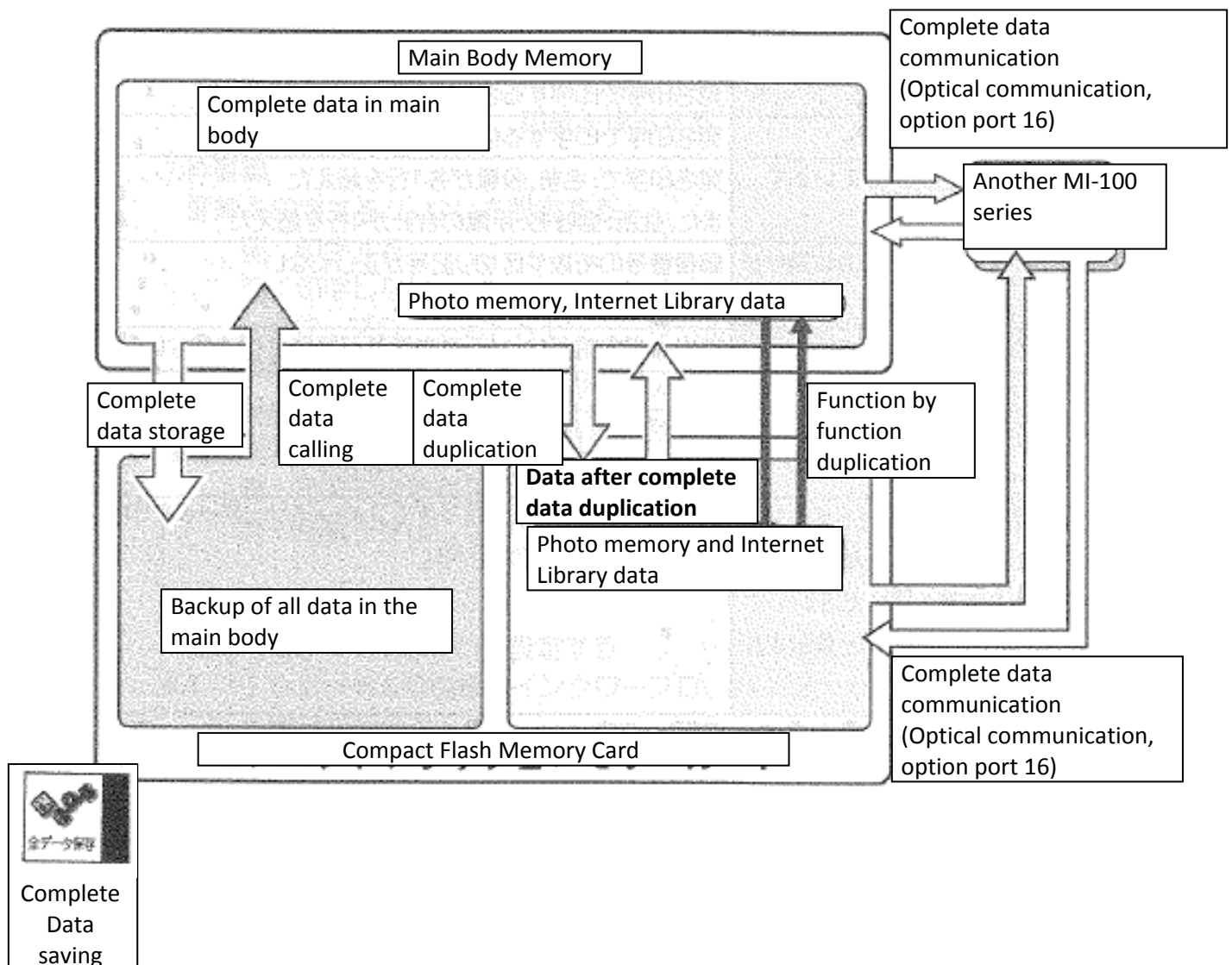
You can copy the photo memory and the Internet Library data by themselves to a compact flash memory card.

(Note) Backup to a PC can be done by using the PC link software, "Zaurus Power Connection." Please refer to page 161 and also pages 178~180 in the "Functions Volume" regarding backup to a PC.

Backup and Duplication

Data in the main body can be backed up and duplicated by using a compact flash memory card (sold separately).

Backup of the complete data into another MI-100 series can also be done.



Data backed up in a card can be used by calling it to the main body.

Duplicated data can be viewed by switching to card data by touching the **Card** in function select keys on the screen of each function.

Photo memory and Internet Library data can be duplicated on a function by function basis.

Backing up Complete Data

Here, the following three methods are described as methods for backing up complete data.

- * Backing up to a compact flash memory card (sold separately).
- * Backing up to another MI-100 series by using optical communication.
- * Backing up to another MI-100 series by using the option port 16.

* Contents which can be stored (backed up) / communicated as complete data

Information file, schedule, holiday settings, anniversaries, address book, photo memory, action list, report & free notes, ink word processor, word processor, spreadsheet, personal database, Internet Library, user settings contents (except for handwritten character registration), contents of settings in each function, status of secrets, passwords, dictionary markers, owner information, IN box, OUT box, access point information (Internet, NIFTY Serve, PC net), My Original Menu, weekly special selection menu, information station, cache contents, marked pages, communication log, MORE software, data such as PC data.



Warning

- * MORE drivers cannot be backed up.
- * Storing (backing up) and deletion of stored data cannot be performed when the batteries have been consumed (when an icon  indicating a battery replacement is displayed in the right side of the status display, or when an icon  indicating battery replacement is displayed on the upper left of the screen). Please connect to a separately sold AC adapter or replace the batteries with fresh ones.
- * When saving is interrupted by you or an interruption to saving is caused by some reason, data will not be correctly saved. Please be sure to delete the saved data.
- * Stored (backed up) data saved in a compact flash memory card is not subject to searches or extractions (action planner).
- * The password for the secret function is also backed up when the complete data is stored (backed up). When the backed up data is called into the main body, the password will also go back to the status at the time of the backup. Also, when a complete data communication is performed with the option port 16 and optical communication (→page 208), the password of the recipient side is replaced by the password of the sender side.
- * Complete data (back up) of the MI-100 series cannot be used by transferring it to an MI-10.



Complete
Data
saving