

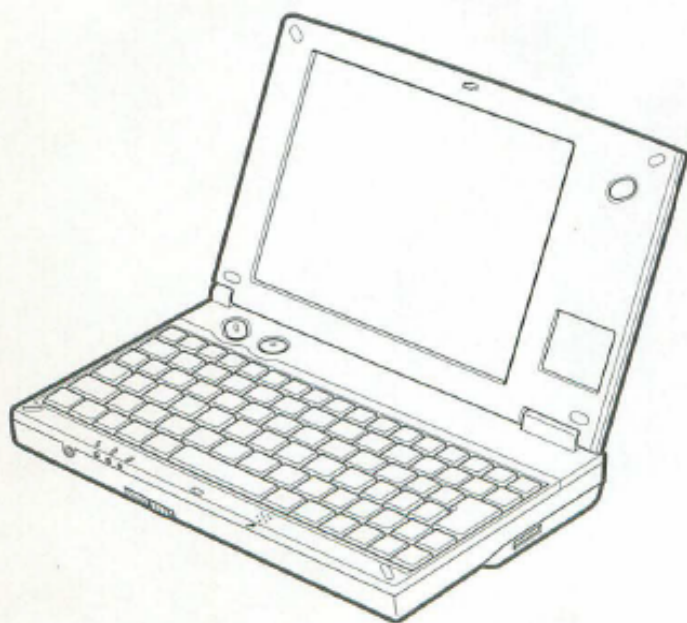


CASSIOPEIA

**FIVA**

# FEVER 101

operating instructions



Thank you very much for your purchase.

This manual is written to make it easy to understand the basics of how to use FIVA 101.

Please be sure to read this manual before handling or operating this product, and after reading it, be sure to save it and keep it handy.

**CASIO**

• Regarding earth leakage current voluntary regulation

This device complies with the personal computer industry standard (PC-11-1988) established by the Japan Electronic Industry Promotion Association.

● About instantaneous voltage drop

[If battery pack is installed]

When the battery pack is installed, it satisfies the guidelines for measures against instantaneous voltage drops for personal computers established by the Japan Electronics Industry Promotion Association, but problems may occur if instantaneous voltage drops exceed the standards of the guidelines.

[If battery pack is not installed]

This device may suffer from instantaneous voltage drops in the power supply due to lightning strikes, etc.

As a countermeasure against instantaneous voltage drops in the power supply, we recommend using an AC uninterruptible power supply, etc.

• About radio interference voluntary regulations

This equipment is a Class B information processing equipment based on the standards of the Voluntary Control Council for Interference with Information Technology Equipment (VCCI).

Although this equipment is intended for use in a home environment, if this equipment is used in close proximity to a radio or television receiver, it may cause reception interference. Please handle it correctly according to the instruction manual.

● About the International Energy Star Program

As a participant in the International Energy Star Program, we have determined that this product complies with the standards of the International Energy Star

Program.



Microsoft, MS-DOS, Windows are registered trademarks of Microsoft Corporation in the United States.

PS/2 is a registered trademark of International Business Machines, Inc. in the United States.

Tran-P Album is a trademark of REUDO Co., Ltd.

Sensiva Pro is a registered trademark of Sensiva, Inc. in the United States. LANA Lite-S is copyrighted by Faith Co., Ltd.

Other company names and product names mentioned are trademarks or registered trademarks of their respective companies.

## Safety Precautions (Please be sure to follow)

correct use, please read this instruction manual (this document) carefully before use.

Please use the product safely. ■For safe and

Also, please keep this manual in a safe place and keep it in a place where you can refer to it at any time.

- Please observe the warnings and precautions displayed on the product.
- If you lose this instruction manual (this book) or it becomes dirty and difficult to read, please contact the store where you purchased it so that we can reissue it.

### About pictorial display

This instruction manual uses various pictograms to help you use the product safely and correctly and to prevent harm to you or other people or damage to property. Their display and meaning are as follows.

▲Warning Indicates a situation that, if ignored and handled incorrectly, may result in death or serious injury.



Note This symbol indicates content that, if ignored and handled incorrectly, may result in personal injury or property damage.

### Example of pictorial display

In order to indicate the nature of the harm or damage, the following pictorial representations are used to categorize and explain the nature of the harm or damage.



The ▲ symbol indicates that there is content that requires caution (including danger warnings). Specific precautions (in the case on the left, caution against electric shock) are drawn in the diagram.



⊘The symbol indicates that the act is prohibited. Specific prohibited contents (in the case on the left, disassembly is prohibited) are drawn in or near the diagram.



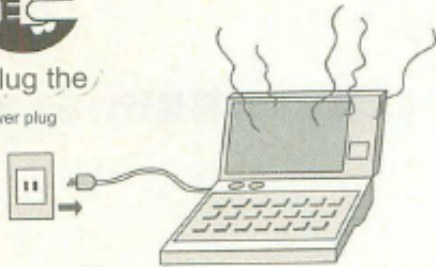
●Symbols announce content that regulates or instructs actions. The diagram shows specific instructions (in the case on the left, unplug the power plug from the outlet).

## ▲Warning

### About the main body



Unplug the  
power plug



In the event of a malfunction or abnormalities such as smoke, strange smells, or noises occurring, immediately turn off the power switch, remove the battery pack, and unplug the power plug from the outlet.

If you continue to use it as is, it may cause a short circuit, resulting in fire or electric shock.

■Please contact the store where you purchased the product or your local service center.



Ban



Do not place containers containing water or other liquids nearby/do not allow foreign objects to enter the product.

If water spills or foreign objects get inside, immediately turn off the power switch and unplug the power plug and battery pack from the outlet. If you continue to use it as is, it may cause a short circuit, resulting in fire or electric shock.

■Please contact the store where you purchased the product or your local service center.



Ban



Do not place it in a place where it will get wet or have high humidity, such as a bathroom.

Doing so may cause electric shock. Be especially careful when using the product during rainy or snowy weather, at the beach, or next to a window.



Do not disassemble



Never disassemble or modify the device. There are high voltage parts inside the device that may cause fire or electric shock.

■For inspection, maintenance, and repair, please contact your dealer.

## ▲Warning



Ban



If you drop or damage the product, immediately turn off the power switch and unplug the power plug from the outlet.

If you continue to use it as is, it may cause a short circuit, resulting in fire or electric shock.

- Please do not attempt repairs by yourself as it is extremely dangerous. Please contact the store where you purchased the product or your local service center for inspection.



Ban



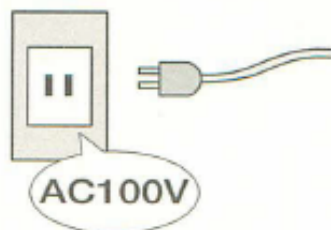
The liquid inside the LCD display is harmful to humans. Never touch or put it in your mouth.

- If the display part is damaged and gets into your mouth, immediately gargle; if it gets on your skin or in your eyes, immediately wash it with running water for at least 15 minutes and consult a doctor.

### About power plugs and AC adapters



instructions



Please insert the power plug into an AC100V outlet.

If you use it by plugging it into any other outlet, it will malfunction.

This may cause fire/electric shock. Also, plastic

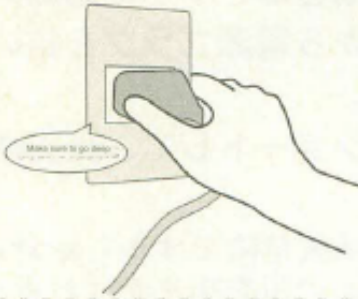
If the connection of the plug exceeds the rating due to octopus wiring, etc.

Doing so may cause the cord to overheat and cause a fire.

## ▲Warning

1

instructions



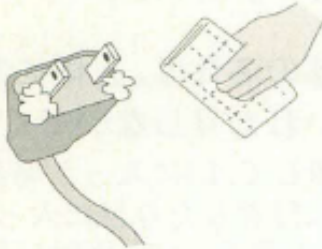
Make sure to insert the power plug and AC adapter all the way to the bottom.

Incomplete insertion may cause electric shock, overheating, and fire.

- Do not use a damaged power plug or loose outlet.



instructions

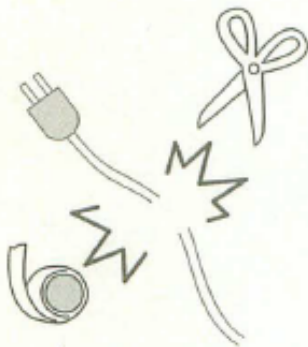


Clean the power plug blade regularly with a dry cloth to prevent dust from forming.

Moisture may cause insulation to fail, resulting in electric shock or fire.



Ban



Do not damage or modify the power cord or power plug.

If you continue to use the cord as is, it may deteriorate the insulation of the cord sheathing, expose the core wire, or cause the wire to break, resulting in electric shock or fire.

- Please contact your retailer for repairs to the power cord or power plug.



instructions



Please use the AC adapter included with this product or specified by Casio.

Using an AC adapter other than the one included or specified may cause a fire.

## ▲Warning



Instructions

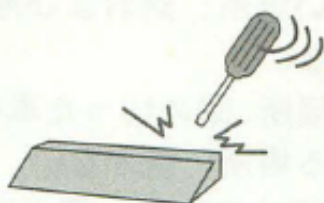


Please use the battery that comes with this product. Also, if you need to replace it due to the end of its life, please use a product specified by Casio.

Products other than those specified may have different voltages and polarities, which may cause fire or explosion.



Do not disassemble



Do not disassemble or modify the battery pack.

Disassembling or modifying the product may cause heat generation, fire, or explosion.



Ban



Do not throw the battery pack into a fire or allow it to overheat.

It may cause fire or explosion.



Ban



Do not allow the (+) and (-) terminals of the battery pack to come in contact with metal such as wire, and do not carry or store the battery pack with metal necklaces, hairpins, etc.

If the electrodes short, it may generate heat, catch fire, or explode. This may cause cracks.

- When carrying or storing the battery pack, be careful not to wrap it in vinyl to prevent the pole from touching metal. Please.

## ▲Caution



Ban



Do not place it on a shaky or tilted surface. Doing so may cause the product to fall, resulting in injury, or malfunction, resulting in fire or electric shock.



Ban



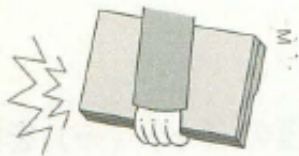
Do not place it in the following locations.

- Do not place in humid or dusty places, or in places where it is exposed to direct heat or cold air.
- Do not place the product in places where the temperature may become abnormally high, such as in direct sunlight or in a closed car.

Environmental conditions may cause equipment failure, deformation, or ignition, resulting in a fire.



Instructions



When carrying the product, be careful not to subject it to vibration or shock.

This device contains precision equipment such as a hard disk, so doing so may cause damage to the device.



Ban

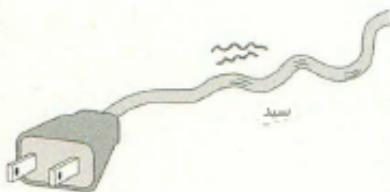


The surrounding area of the main unit and AC adapter becomes hot during use, so avoid using it on your lap for long periods of time.

This may cause low-temperature burns.



Instructions



Do not forcefully bend the power cord or allow it to get caught on a desk, etc., and do not place anything on top of the cord.

Sai.

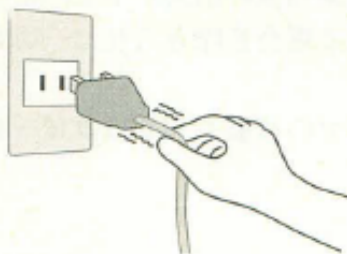
Doing so may cause wires to break or the wires inside to break, resulting in fire or electric shock.

- If the cord or cable is damaged (exposed core wire, broken wire, etc.), please have it replaced.

## ▲Caution

1

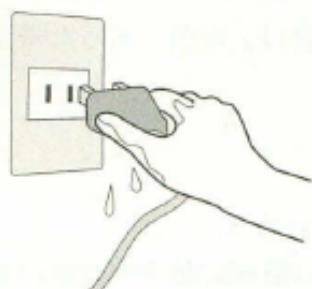
Instructions



When unplugging the power cord from the outlet, be sure to grasp the power plug. Pulling on the cord may damage the cord, causing breakage or short-circuiting, resulting in fire or electric shock.



Ban



Do not connect or disconnect the power plug with wet hands.

Doing so may cause an electric shock, and pulling the power cord may damage the cord, resulting in a fire or electric shock.



Ban



When using headphones, do not turn up the volume too high.

If the volume is too loud, it may adversely affect your hearing and cause hearing loss.

1

Instructions



- Also, do not use the product in locations with large differences in brightness and darkness or where the screen will be exposed to direct sunlight.

Doing so may cause problems such as decreased vision, osteoarthritis, and lower back pain.

## Before use

- This product undergoes strict quality control and product inspection before shipping. However, in the unlikely event that there is a malfunction or defect, please contact the store where you purchased it or your nearest Casio service center. Repairs will be performed as specified in the attached "Warranty Card."
- Our company is not responsible for any damage caused by not following the contents of the instruction manual.
- We are not responsible for any incidental damages (loss of business profits, interruption of business, change or disappearance of memory contents, etc.) arising from the use or inability to use this product, except in cases where liability is recognized by law. I don't owe anything.
- Reproduction or copying of products and software other than under the conditions specified at the time of purchase is prohibited. Please handle with care.

### •About specifications

- This product is for domestic specifications. If you are using this product overseas, please purchase a power cord that is compatible with your power source.

### •Notes on product usage

- This product is intended to be used as office equipment.
- Do not use this product in devices or systems (traffic equipment, safety equipment, medical equipment, etc.) where failure or malfunction of this product could directly threaten human life or cause harm to the body or property.

### •About re-setup

- This product comes with software (Windows 98, utilities, etc.) pre-installed on the hard disk. In the unlikely event that a failure occurs due to a malfunction, you can restore the system using the included "Product Recovery CD-ROM". This will return the product to the state it was in when purchased.

### •Computer virus

#### To prevent computer virus infection

A computer virus is a type of program. User does not notice  
There are various things that can enter your system and display abnormal messages or destroy some programs or data. Virus-infected programs and data are transmitted via floppy disks or networks. you may receive it. Please refer to the following to prevent infection.

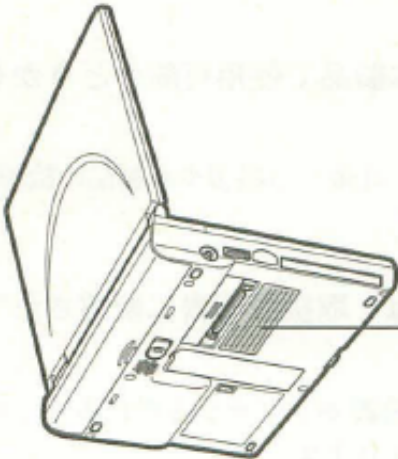
- Store master files such as programs and data files with write protection.
- Do not use data or programs of unknown origin.
- Be sure to test the programs you have obtained for viruses before using them, and perform virus tests regularly.

■ Obtain the latest virus check program (commercially available) and perform the

check. We especially recommend performing a virus check in the following cases:

- When starting the computer
- Perform a virus check before using or executing data obtained from external media such as floppy disks, networks, computer communications, e-mail, etc. (if compressed, uncompressed files).

● About the main unit



Requests for use

- Turn off the power before connecting or disconnecting peripheral devices.
- Do not subject the product to shock or vibration as it is a precision device.
- Do not disassemble the product by anyone other than service personnel.
- Please use the specified AC adapter.
- The bottom part may become hot during use, so please avoid using it on your lap for long periods of time. This may cause low-temperature burns.

■ About power supply

- Please use AC100V 50/60Hz as the power source.
- Please connect to a different power source from devices that generate noise, as this may cause data failure.

■ Turn off the power according to the prescribed procedure.

- Forcibly turning off the power, such as by unplugging the power plug when starting up the system or while running a program.

Please never do this. Doing so may cause data loss or other damage, leading to equipment failure.

There is.

- Do not turn the power on or off for a short period of time. Doing so may cause malfunction, resulting in data loss or other damage, which may lead to equipment failure.

■ About the connection cable

- Please use the attached cables for various connection cables to the device.
- Do not pull the cable too hard or place heavy objects on the cable, as this may cause disconnection or short circuit.

■ Do not subject it to vibration or shock.

- Strong vibration or shock may cause equipment failure or malfunction. Please be especially careful when using it, as it may damage the data on the internal hard disk.

■ Be careful when carrying

- When moving the unit, be sure to turn off the power switch and remove all peripheral devices (port replicators, separately sold CD-ROM devices, etc.) before moving the unit individually. Carrying the device by holding the connection cable may cause the cable to break or malfunction.

● About peripheral devices

- If you use peripheral equipment other than those specified by Casio, please check with the manufacturer to see if it can be used with this product.
- Casio is not responsible for any damage (injury, damage to property, malfunction of this product, etc.) caused by peripheral devices other than those specified by Casio, note that.
- When connecting or disconnecting peripheral devices, follow the instructions in the instruction manual.  
Please do not perform any other operations.
- It will be the cause of the failure. In addition, improper operation may damage the device and require extensive work to restore the device to proper condition.

● About data protection on hard disks and floppy disks

- Do not turn off the power or press the floppy disk drive eject button while the hard disk drive (access lamp is lit) or floppy disk drive (sold separately) is operating.

• Data and applications may become unusable.

- Regularly save important data stored on the hard disk to a floppy disk, etc. in case something goes wrong (failure, change, disappearance, etc.). The memory contents of this product may change or be lost in the following cases. (We are not responsible for any damage to the content saved on your hard disk, etc.)

When used incorrectly

In case of breakdown or repair

- When formatting (initializing) a floppy disk that has been used once, be sure to check its contents before formatting it.

- When you format a floppy disk, all information saved on that floppy disk will be deleted.

## ● Regarding handling of CD-ROMs

CD-ROMs are susceptible to dirt and dust. Please note the following:

- Please store the CD-ROM in a special case and store it with care.
- - When holding the CD-ROM, hold it by the outer edge or the hole in the center.
  - Do not fold, bend, write on, or scratch the CD-ROM.
- Please do not put any labels on the CD-ROM.
- Do not place the CD-ROM in direct sunlight or in extremely hot or cold places.
- Wipe a dirty CD-ROM with a soft cloth in a radial direction from the center to the outside.

## ● About consumables

- The following parts are consumables.
- Standard battery pack

The charging function will wear out and deteriorate with long-term use. If the charging function deteriorates, please purchase a new battery pack.

Before purchasing, please check the model you are using and contact the store where you purchased it or your local service center.

## ● How to dispose of this machine

- When disposing of this device, please dispose of it in accordance with local government ordinances. For details, please contact each local government.

## About maintenance

### • Normal care



For your safety, be sure to turn off the power switch and unplug the power plug from the outlet before cleaning. If you clean the product without turning off the power, it may cause electric shock.

- To clean the device, wipe it with a soft, dry cloth, and if it is very dirty, use water or diluted neutral detergent and wring it out thoroughly. Wipe the LCD display area with a soft, clean cloth. (Do not use water, neutral detergent, or chemical cloths.) Also, the surface is easily damaged, so be careful not to apply excessive force when cleaning.
- Do not use organic solvents such as thinner or benzene as they may deform or discolor the device, causing it to malfunction.

### • About repairs

In the following cases, turn off the power switch of the device, unplug the power plug from the outlet, and contact your retailer or local service center.

- The power cord or power plug is damaged.
- Some liquid has been dripped onto the device.
- This device has been exposed to rain or water.
- This device has been dropped or the cover has been damaged.
- The functionality of this device has changed significantly.
- Even if you follow the instructions in this manual, it will not work properly. Do not make any adjustments that are not described in this manual. Improper operation of these unmentioned parts may damage this device. Extensive work will be required to return the device to proper condition.

Please do not try to repair it yourself.

<p style="margin: 0;"><b>Before use</b></p>	<p>Safety precautions, ..... 1</p> <p style="padding-left: 20px;">Before use, ..... 8</p> <p style="padding-left: 20px;">How to read this instruction manual ..... 14</p>
<p style="margin: 0;"><b>Chapter 1</b> First time use</p>	<p>Names and functions of each part ..... 17</p> <p style="padding-left: 20px;">keyboard ..... 20</p> <p style="padding-left: 20px;">thumb pad and control buttons ..... 25</p> <p style="padding-left: 20px;">When using it for the first time ..... 27</p>
<p style="margin: 0;"><b>Chapter 2</b> How to use</p>	<p style="padding-left: 20px;">When turning on the power for the first time ..... 33</p> <p style="padding-left: 20px;">When turning off the power ..... 41</p> <p style="padding-left: 20px;">Turn on the power (from the second time) ..... 43</p> <p style="padding-left: 20px;">Using a battery pack..... 44</p> <p style="padding-left: 20px;">Setting the speaker volume..... 47</p> <p style="padding-left: 20px;">Setting display brightness... 48</p>
<p style="margin: 0;"><b>Chapter 3</b> When you need it</p>	<p>Connect peripheral devices to the main unit ..... 51</p> <p>Setting PC cards and additional memory ..... 56</p> <p style="padding-left: 20px;">Connecting peripherals to the port replicator ..... 60</p> <p style="padding-left: 20px;">Use mobile cockpit ..... 67</p> <p style="padding-left: 20px;">Using the gesture function..... 89</p> <p style="padding-left: 20px;">Exchanging data with a digital camera ..... 94</p> <p style="padding-left: 20px;">When you are in trouble... ..... 97</p>
<p style="margin: 0;"><b>Appendix</b> Resetup</p>	<p style="padding-left: 20px;">Start recovery ..... 109</p> <p style="padding-left: 20px;">Settings/Software that are not restored even with recovery work..... 126</p> <p style="padding-left: 20px;">Download the software from the Recovery CD-ROM.</p> <p style="padding-left: 40px;">install..... 128</p> <p style="padding-left: 20px;">Change wallpaper and screen design..... 129</p> <p style="padding-left: 40px;">Install Microsoft FAX..... 131</p> <p style="padding-left: 20px;">Installing Windows 98 accessories..... 133</p> <p style="padding-left: 40px;">Changing Microphone settings..... 135</p> <p style="padding-left: 40px;">Copy the CAB file to your hard disk... 137</p> <p style="padding-left: 20px;">create a startup disk ..... 138</p> <p style="padding-left: 20px;">specification..... 140</p> <p style="padding-left: 20px;">index ..... 143</p>

1

2

3

appendix

## How to read this instruction manual

This manual consists of three chapters, including "Before use": As stated at the beginning of this manual, please first read the "Safety Precautions" in "Before Use."

Next, Chapter 1 contains basic knowledge for those using this product for the first time. Chapter 2 helps you get used to the operation, and Chapter 3 contains information that will help you connect peripheral devices and troubleshoot problems. After reading the instructions in order, please refer to this manual when performing any work. Also, please read the manuals that come with peripheral devices and the software that you use as necessary.

### Before use

This section explains the "Safety Precautions" and "Usage Precautions" when using this product.

### Chapter 1 When using it for the first time

Please memorize the functions and names of this machine before using it. It also explains the precautions to be taken before using the product for the first time.

### Chapter 2 How to use

This section explains how to turn on/off the power and how to set up Windows 98, which is required when using this machine for the first time.

### Chapter 3 When you need it

This section explains how to connect peripheral devices to the main unit, useful functions, and information that will help you when you run into problems.

## Appendix Resetup

About the symbol mark



: Explains matters that you should be aware of.



: Explains things you should know.



: Indicates the page you would like to refer to.

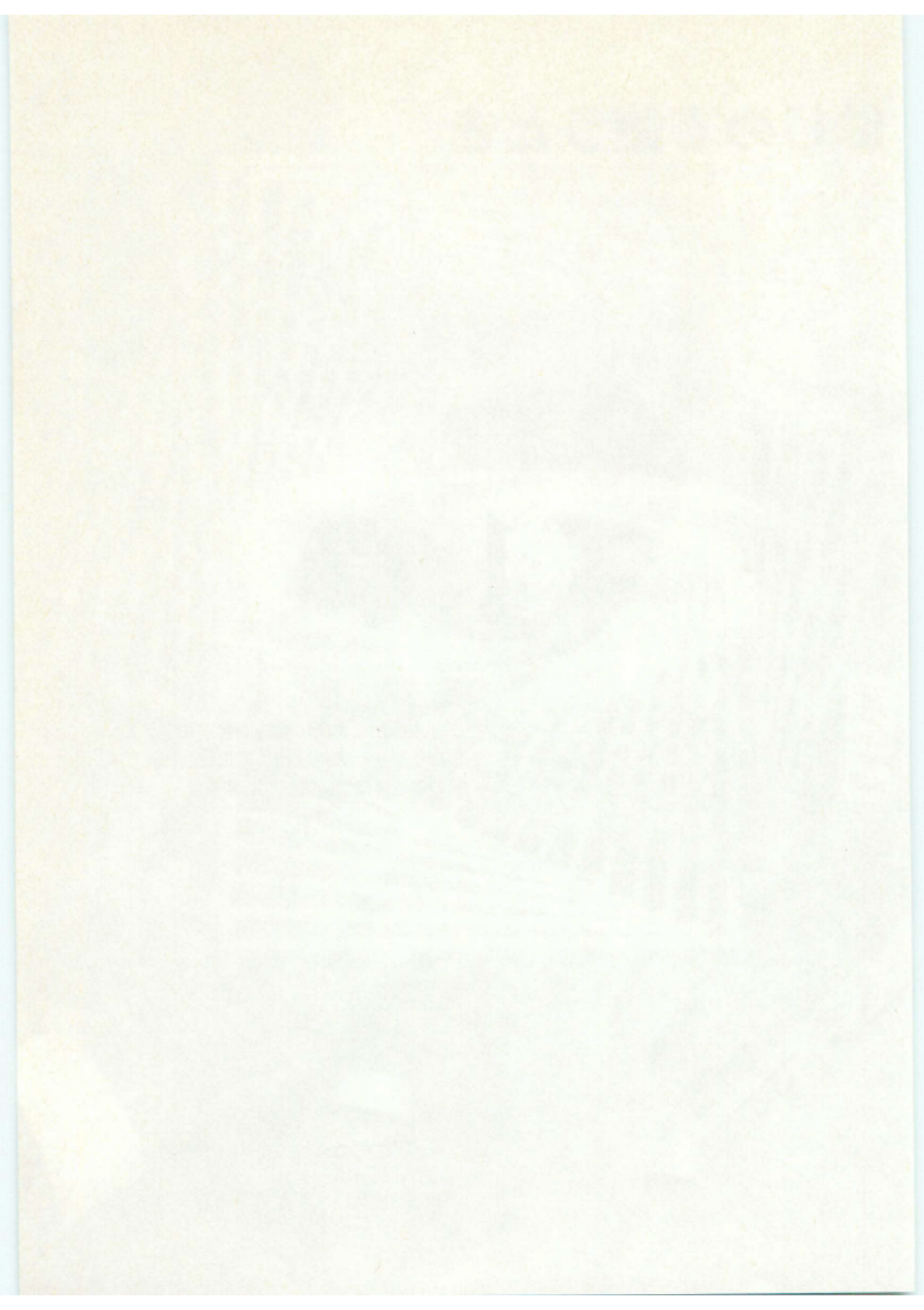
When using it for the first time

# Chapter 1

Before using this machine, please memorize its functions and name. It also explains the precautions to be taken before using it for the first time.

Names and functions of parts

Keyboard Thumb pad and control buttons  
When using for the first time:



## Names and functions of each part

This section explains the names, locations, and functions of each part of this machine. The names of these parts will be used frequently in this instruction manual, so please memorize them carefully.

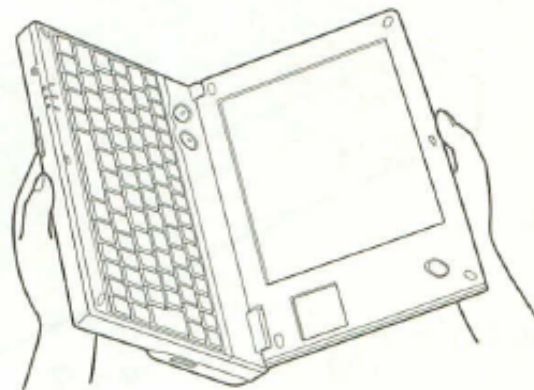
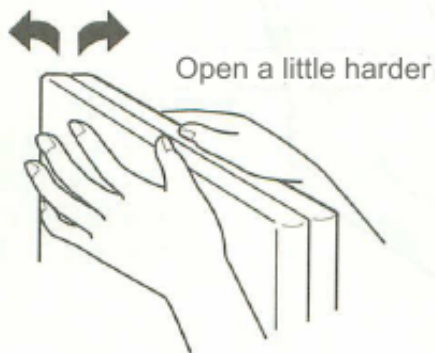
Before we explain this machine, let's first open the display section.

- Open the display section

The display section is closed by a latch. When opening it, hold the center part with both hands and open it to the left and right.



When opening the display section of the device, be careful not to let your hand slip and drop the device.



•Body (surface)

**Control button (right)**

Functions the same as the right mouse button. Also, if you touch the thumb pad while pressing this button, the "gesture function" (page 89) will work.

**Control button (left)**

Works the same as the left mouse button

**keyboard**

**Headphone port**

Connect commercially available audio headphone speakers, etc.

**microphone**

**PC card release lever**

Used to remove the PC card.

**indicator lamp**

The LED lamp indicates the following status from the right.

- PW power indicator lamp (page 44)
- BAT Battery status display lamp (pages 28 and 45)
- HDD disk access lamp (green when operating)

**display**

**HAST**  
HYPER AMORPHOUS  
SILICON TFT 6.7-inch color  
TFT LCD (SVGA)

**lid switch**

Depending on the settings, the power saving function will work.

**power switch**

Turns the main unit power on/off

**thumb pad 2**

It functions as both a mouse to move the cursor and a gesture function.

**Communication \*1**

port Performs data communication

\*1 There are also models without communication ports.

\*2 The thumb on a thumb pad is the thumb.

●Body (back side)

**Battery release latch**

Move the release latch to remove the battery pack

**Battery pack**

A removable battery pack can be installed.

**speaker**

**RAM module screws**

**reset switch**

If the unit stops working for some reason, press it with a pointed object to forcibly turn off the power. Do not use this unit unless it stops working and cannot be operated. please

**AC adapter IN**

Connect the power cord from the AC adapter

**USB connector**

Connect a USB compatible device

**infrared communication port**

**Install the expansion connector**

port replicator

**PC card slot**

Connect various PC cards here.

**RAM module cover**

Set the expansion RAM module.

●Port replicator (sold separately)

**expansion connector**

Connect to the main unit's expansion connector

**hook**

Hooks onto the main unit and connects

**reset switch**

**PS/2 connector**

Connect a mouse or keyboard

**USB connector**

Connect a USB compatible device

**Parallel connector**

Connects printer equipment, etc.

**Display connector**

Connects to external display, etc.

**serial connector**

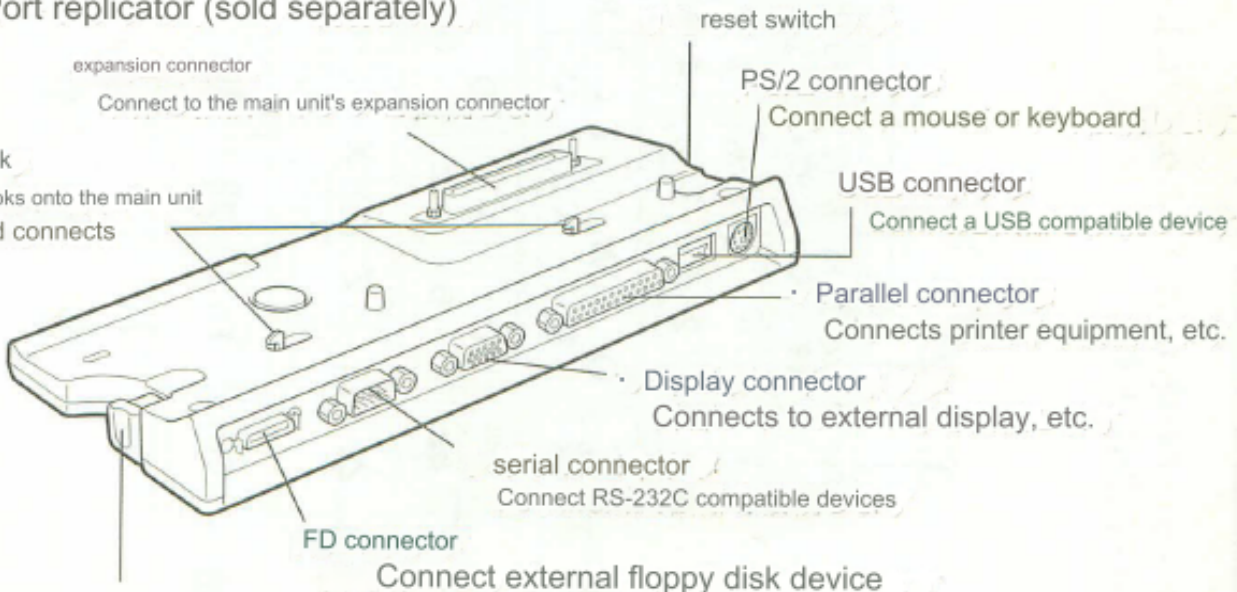
Connect RS-232C compatible devices

**FD connector**

Connect external floppy disk device

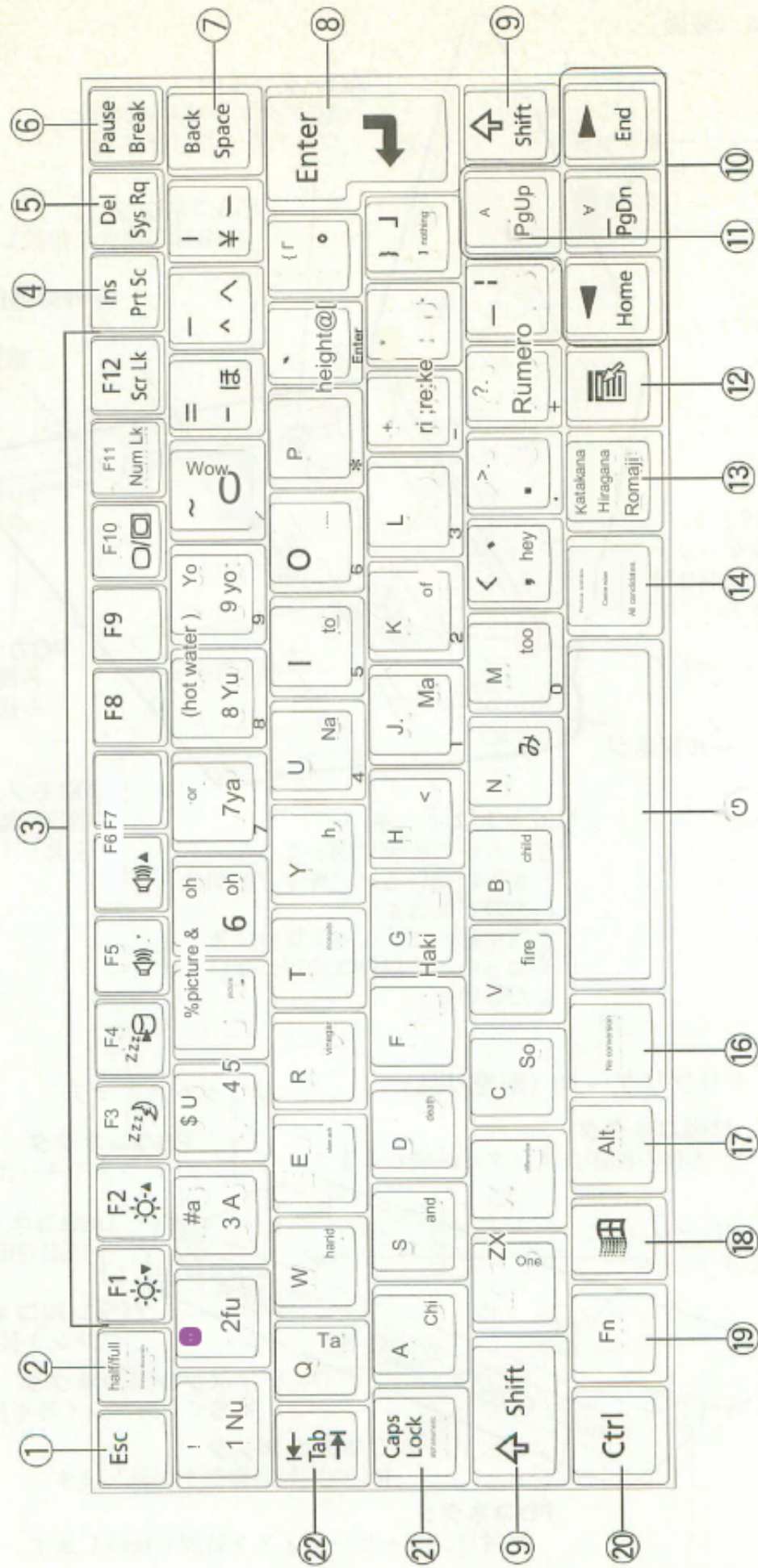
**Eject lever**

Press this lever to remove from the main unit.



# keyboard

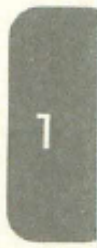
How to use the keyboard differs depending on the software, but here we will explain the basic usage.



Key item descriptions may vary depending on the Japanese input system or application you are using.

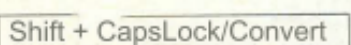


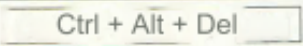
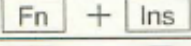
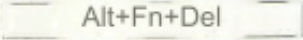
number	item	Key name	explanation
①		escape	Used to cancel an operation
②		kanji half-width/full-width	Use when entering katakana and alphabetic characters in half-width/full-width.
③	F1~F12	function	Used to perform specific operations.
④		insert	Used when inserting characters, etc.
⑤		Delete (delete)	Used when deleting characters, etc.
⑥		Pause (cancelled)	Used to pause processing, etc.
⑦		backspace (backward one character)	Delete input characters one by one
⑧		Enter (return)	Used to confirm input/line feed
⑨		shift	Uppercase letters of the alphabet /Select lowercase letters
⑩		Move cursor	Used to move the cursor etc.
⑪		Page up/down	Can be used with Fn to move to the previous or next page.
⑫		application	Same action as clicking the right mouse button or pressing the right control button.


number	item	Key name	explanation
⑬		Kana input	When inputting Japanese, the characters are entered as Katakana → Hiragana → Romaji.
⑭		conversion	Used to convert input characters
⑮		space	Used when entering blank characters
⑯		No conversion	Used to confirm input characters as is.
⑰		alternate	Used when performing specific operations in combination with other keys.
⑱		Windows	Display the Windows 98 Start Menu Used sometimes. It can also be used as a shortcut in combination with other keys.
⑲		FM	Used when using overlay keys
⑳		Control	Used when performing specific operations in combination with other keys.
㉑		caps lock	When the Japanese conversion system is on, press once to enter alphanumeric characters.
㉒		tab	Moves the cursor to the next set tab position

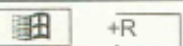


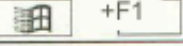
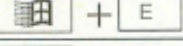


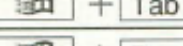
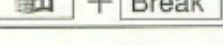


•Function by key combination

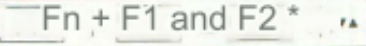
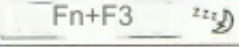

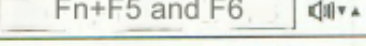
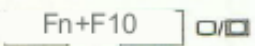
When pressing one key while pressing another key, use a "+" sign as shown below.

	Press once to enter uppercase letters when entering alphabets. If you press it again, lowercase letters will be entered when you enter alphabets.
	Press once to start the Japanese input system and be able to input Japanese. If you press it again, the Japanese input system will close and you will no longer be able to input Japanese.
	(Only when using MS-IME98, page 24) When the Japanese input system is activated, press once to enter "Kana input mode". Press it again to enter "Romaji input mode".
	Reboot the system without turning off the power.
	Copies the currently displayed entire screen to the clipboard.
	Copies the currently running active screen to the clipboard.

 By combining this key with other keys, you can use it as a shortcut key as follows.

	Display the Run dialog box.
	Iconize everything.
	Restore all icons.
	Start help.
	Start Windows Explorer.
	Search for files or folders.
	Search for other computers.
	Cycle through taskbar buttons.
	Display the System Properties dialog box.

Hold down [Fn] and press any other key to activate special functions. This function is called the "hotkey function."

	Decrease (dark) or increase (brighten) the brightness of the LCD display.
	Put it on standby. (39 pages)
	Put it into hibernation. (39 pages)
	Decrease/increase the speaker volume.
	Switch the display destination on the screen. (LCD→CRT→CRT+LCD LCD)



Hotkey functions may not work during system startup, standby, or hibernation.

If you use the hotkey function during high-speed data communication, a communication error may occur.

● Key arrangement in NumLock state

NumLock can be used instead of numeric keypad input like 0~9, +, 1.

If you press F11 while holding down Fn, the NumLock state will be activated, and the key arrangement will be as shown below. Press Fn + F11 again to release the NumLock state.



1

•Japanese input system

This machine comes standard with Microsoft's Japanese input system MS-

IME98.



Starting the Japanese input system

There are two ways to start MS-IME98 for Kanji conversion:

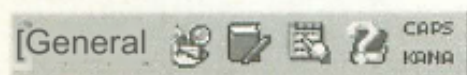
• Menu bar



Click here and select "Full-width Hiragana" from the menu

• Alt + Half/Full to start the Japanese input system.

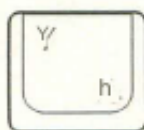
Once Kanji conversion is enabled, the menu toolbar will look like the one below.



For detailed instructions on how to use the Japanese input system MS-IME98, see "MS-IME98 Online Help."

•Representation of keys to input

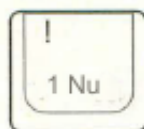
When representing a key to be input during an operation in the main text, only the part necessary for the explanation is enclosed in □.



Press the key →



press Y



Press the key →



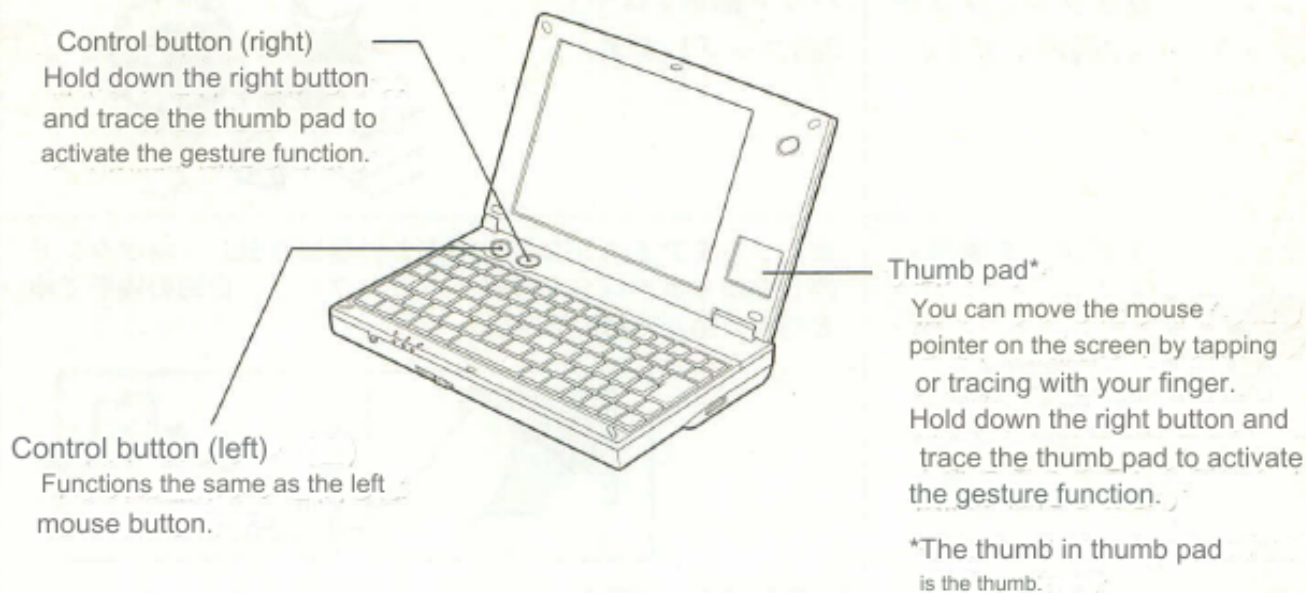
press 1

## Thumbpad and control buttons



This unit is equipped with a thumb pad and two control buttons that function like a mouse. You can perform a clicking action by tapping this thumb pad, and you can call up software by tracing it as if you were writing (gesture function) (page 89).

Here we will explain the basic operations of the thumb pad, but please refer to the thumb pad help for details.





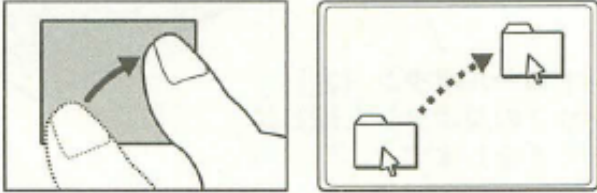
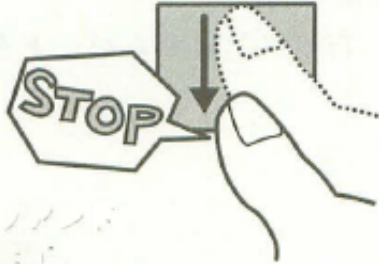

### •Basic operations

When operating the right button and thumb pad at the same time, operate as shown in the illustration.



The gesture function works by pressing the right button with your left index finger and tracing the thumb pad with your right thumb. Tapping the thumbpad (without pressing both buttons) has the same effect as the left mouse button.

Pressing only the right button has the same effect as the right mouse button.

function	Operation instructions	
	control button:	thumb pad
click	Press the left button once.	Tap the pad once. 
Double click	Press the left button quickly <twice.	Tap the pad twice quickly. 
Drag and drop	Use the left button.	Move the cursor to a specified location such as an icon, move (drag) the pointer while holding down the left button, and release your finger from the pad at the desired location. 
edge motion	I do not use it.	With edge motion, you don't have to repeatedly move your finger up and down on the pad to move the cursor. If you do not move your finger until you reach the edge of the pad (this is called the edge), the cursor pointer will continue to move downward. I'll take it. Edge motion only works with drag and drop. 
Gestures (89 pages)	While holding down the right button, trace the pad section with your finger. From the moment you release the right button, it recognizes the characters and symbols you trace and performs the corresponding operation. You can judge whether or not it is recognized by the color of the icon in the menu bar and the sound. 	

Although it can be used with power from the AC adapter, if you want to use it with a battery, attach the included battery pack to the main unit and complete charging before turning on FIVA.

• Installing/removing the battery pack

Practice installing/removing the battery pack to avoid it falling off during use.

You can install/remove the separately sold high-capacity battery pack in the same way as a standard battery pack.



The included battery pack is not charged at the time of purchase. Please use after charging is complete.

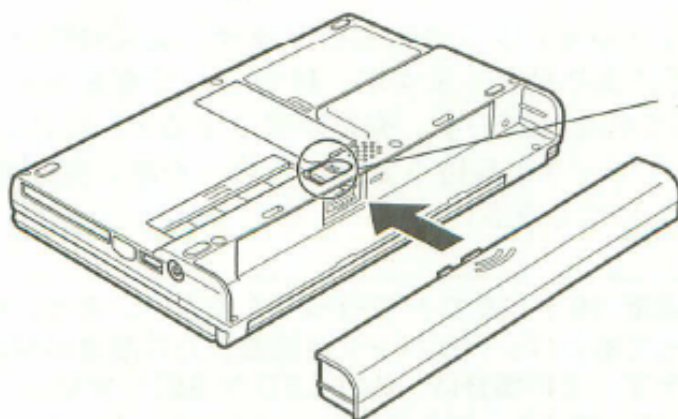


Be sure to use the battery pack included with the main unit or specified by the manufacturer. If you use an unspecified product, it may emit smoke and ignite, resulting in a fire.

attachment

procedure

1. Close the display section and turn the main unit over.
2. Gently insert the battery pack until you hear a click. If the battery pack is difficult to insert, slide the battery release latch while inserting the battery pack.

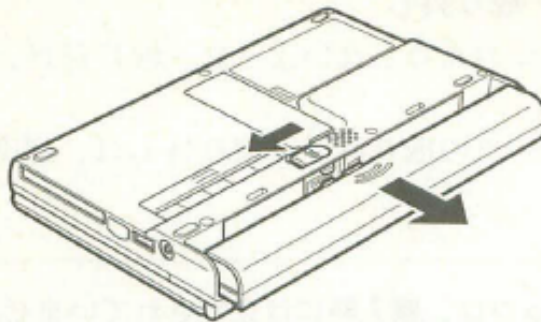


Always make sure that the battery pack is firmly attached. Please. If it is not installed correctly, it may come off when being carried, resulting in malfunction or injury. This will cause it.

## ■ Removal

### procedure

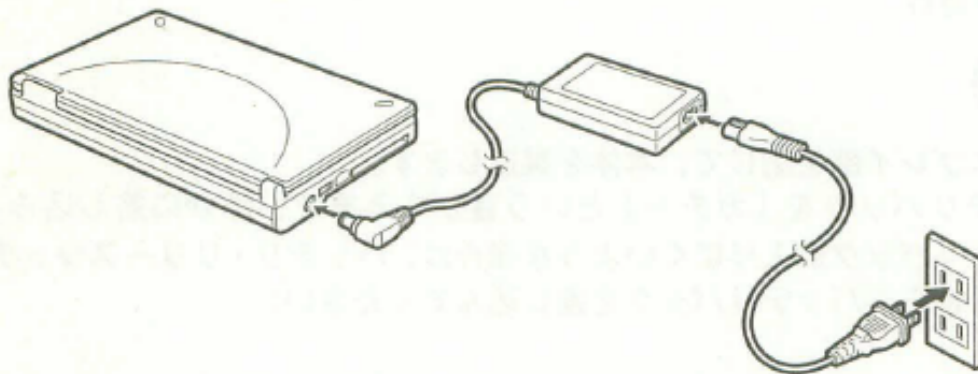
1. Close the display section and turn the main unit over.
2. Slide the battery release latch and pull out the battery pack.



Hold the battery pack firmly in your hand and remove it. If you remove it roughly, it may fall onto your feet and cause unexpected injury.

### • How to charge the battery pack

When you attach the battery pack to the device and connect the AC adapter, the battery pack will be charged whether the power is on or off.



When charging begins, the BAT-LED lights orange. Charging time varies depending on the ambient temperature and connection status of peripheral devices, but as a guide, it takes approximately 4 hours with the power on and approximately 2 hours with the power off. When charging is complete, the BAT-LED will turn green. To extend the life of the battery pack, do not disconnect the AC adapter until charging is complete.



Please charge at the operating environment temperature (5~35°C). Also, even if the temperature is within the operating environment, charging may not be possible if the battery pack is too cold or too hot. In that case, the BAT-LED will not light up.

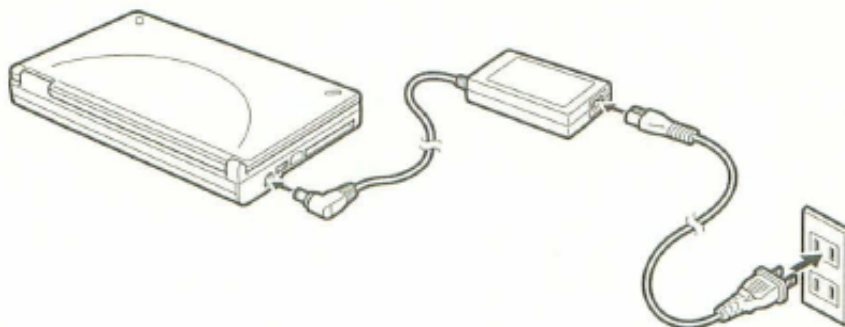
- If the BAT-LED stops lighting up while charging, an internal protection circuit may have activated and charging may have been stopped. In this case, remove the AC adapter and battery pack from the main unit, and then reinstall them. If this phenomenon occurs repeatedly, there may be a malfunction, so please contact the store where you purchased the product or the service center.

BAT-LED status	Content
Green light on	Charging is complete.
Lit orange	Charging.
The light goes off when I try to charge it.	Cannot be charged. Please charge after bringing the battery to the operating environment temperature.
Lights off while charging	Charging has been canceled. Check the battery pack installation. Or it may be malfunctioning.

● Attach the AC adapter

Please attach the AC adapter.

You can connect the AC adapter even with the battery pack installed.



When installing the battery pack, do not disconnect the AC adapter until the BAT-LED turns green (fully charged) (to prolong the life of the battery pack).

When not connecting the AC adapter to this unit, be sure to also unplug it from the outlet (this will prevent unnecessary power consumption).



# How to use

## Chapter 2

- Explains how to turn on/off the power and how to set up Windows 98, which is required when using this machine for the first time.

When turning on the power for the first time

When turning off the power

Turn on the power (from the second time onwards) Use the battery pack

Setting the speaker volume

Setting display brightness



When you turn on the power to this machine for the first time, you will need to perform the "Windows 98 Setup" operation to configure license information and other settings. This operation only needs to be performed once when the power is turned on for the first time, and the initial Windows 98 screen will be displayed the next time the power is turned on.

To proceed with the "Windows 98 Setup" process, you will need the "Product Key" affixed to the included "First Step Guide for Windows 98." Be sure to have these ready at hand before starting setup.

In "Windows 98 Setup", perform the following settings/operations.

Items to set	Content
User information	Registration of name and company name
License agreement	Accepting the Windows 98 License Agreement
Product key	Entering the Windows 98 product key
Enter Windows password	Enter username and password

•Windows 98 setup.

Windows 98 setup is required the first time you turn on the power. Please follow the steps and enter the required information:

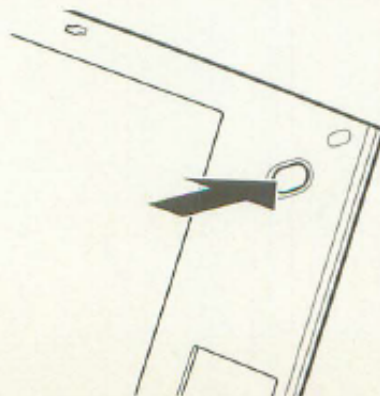


Do not turn off the power during Windows 98 setup. Also, be sure to operate with the AC adapter connected.

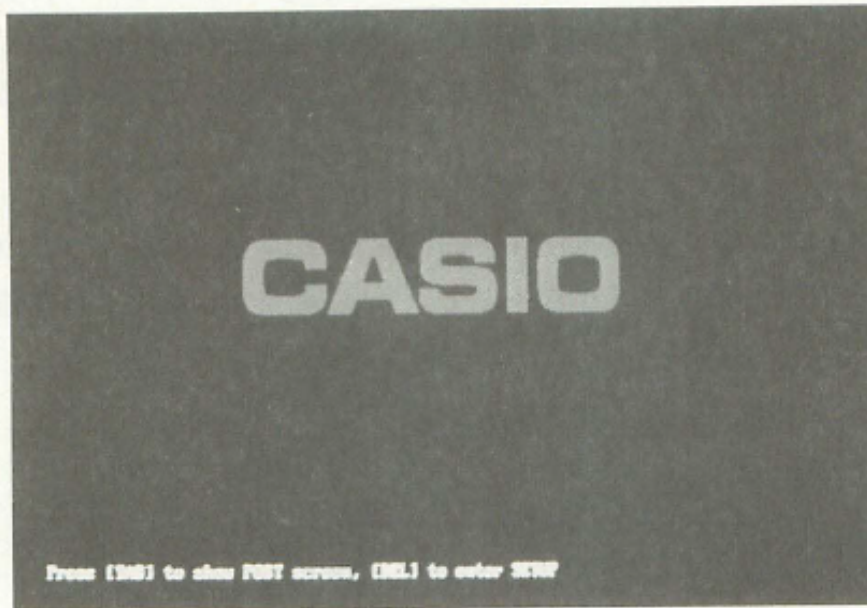
procedure

1. Open the display section.
2. Gently press the power switch.

(It will take some time for it to appear on the screen, but there is no need to keep pressing it.)



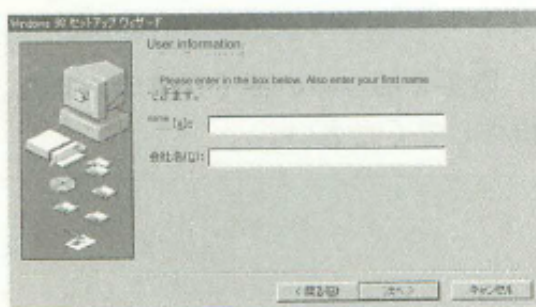
3. The "CASIO" logo will appear on the screen.



The screen will go blank for a moment, then Windows 98 will start up. When you turn on the power for the first time, the next step is Windows 98 setup.

4. Enter your user information

Here, register your name and company name. The name is required, but the company name is optional. Please note that the Japanese input system has been activated. The input method is "Romaji input". After entering the [Name], press TAB. The cursor moves to [Company Name].

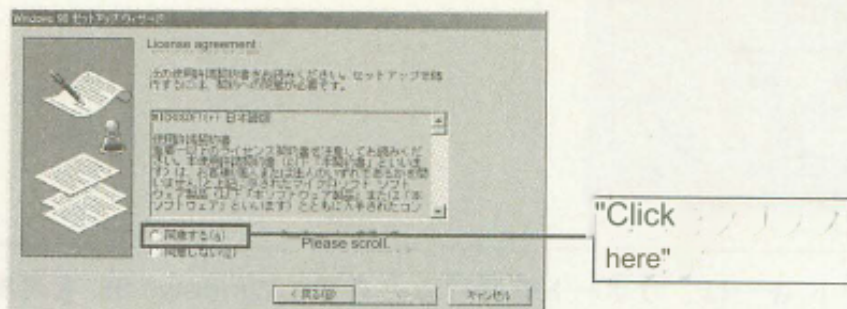


After entering your name and company name, check them and click the [Next>] button.

## 5. Check the license agreement

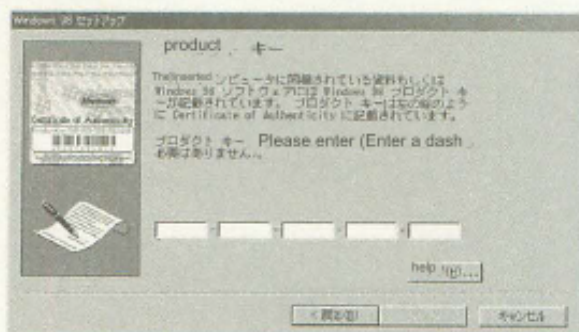
Please be sure to read the contents of the "Microsoft Software License Agreement." To read all explanations, scroll the display using the ▲, ▼ buttons on the screen scroll bar or PgUp (Fn+↑),

PgDn (Fn+1).



Click the circle to the left of [I Agree] and click the [Next>] button.

## 6. Enter your product key

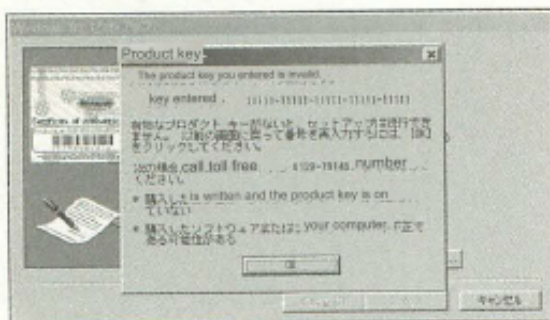


Enter the alphanumeric characters (product key) printed on the "Certificate of Authenticity" attached to the included "First Step Guide for Windows 98" and click the [Next>] button. In this input, English characters are entered in uppercase even if Shift is not pressed.



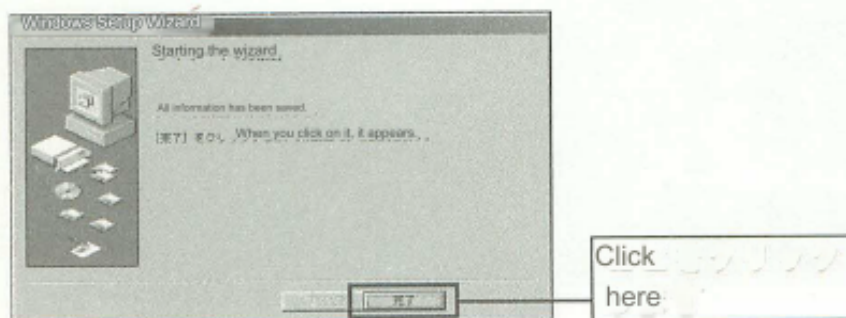
When entering the product key, please be careful as there are characters that can be easily confused, such as 0 (zero) and o (oh), B (bee) and 8 (bee).

If the product key input is incorrect, the following message will be displayed. In this case, click [OK] and enter the product key again.

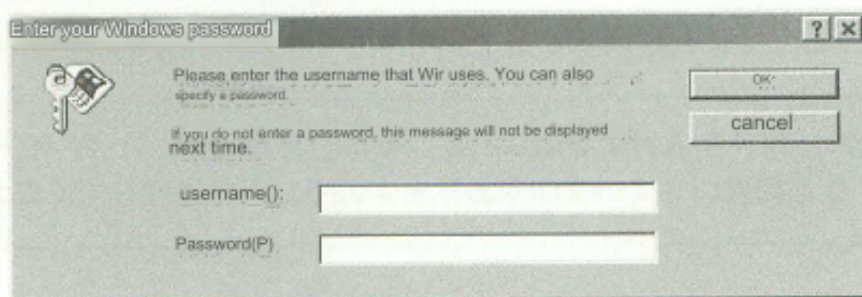


You will need the product key when receiving support or when setting up Windows 98 again. Please keep it together with "First Step Guide for Windows 98" in a safe place.

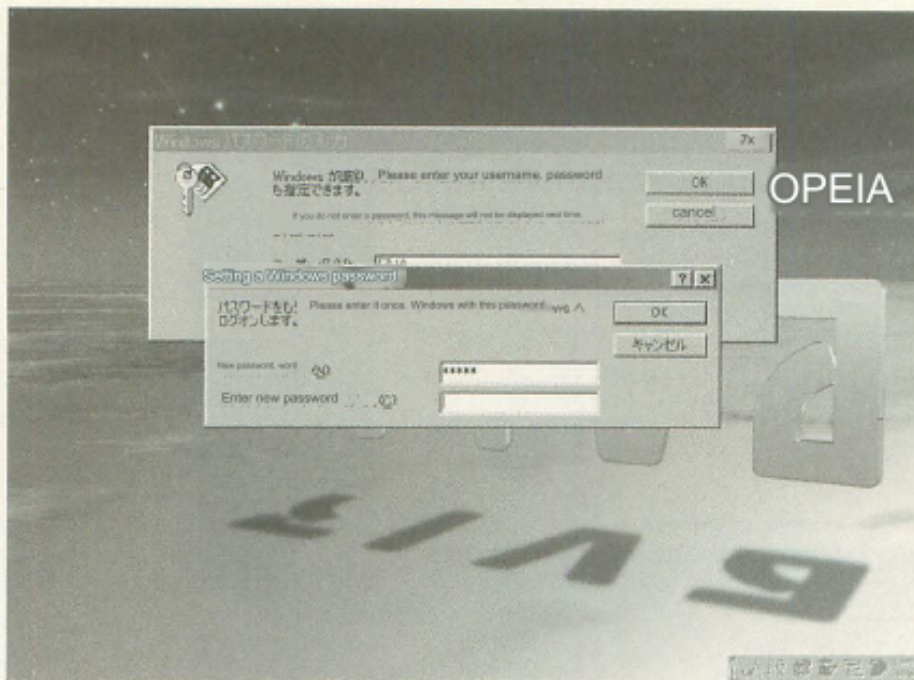
When you complete entering the product key, the "Start Wizard" screen will appear. Click the [Finish] button.



## 7. Enter your username and password



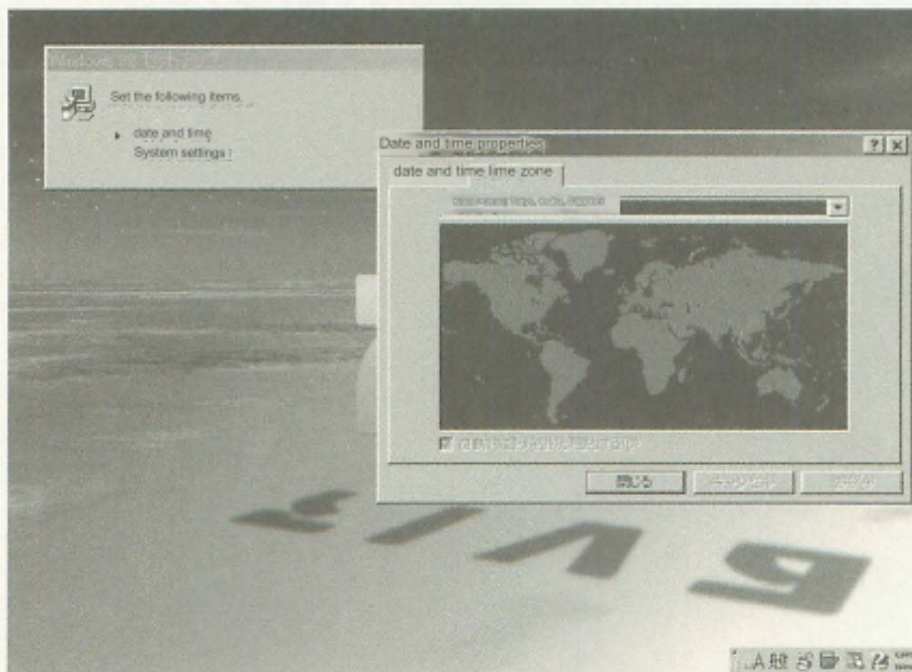
Enter the name and password of the Windows 98 user. If you omit entering the user name and password, this screen will not be displayed from the next startup. Once you have entered your username, press TAB. The cursor will move to Password, where all characters you enter will be represented by an asterisk (\*). After entering the password, click the [OK] button.



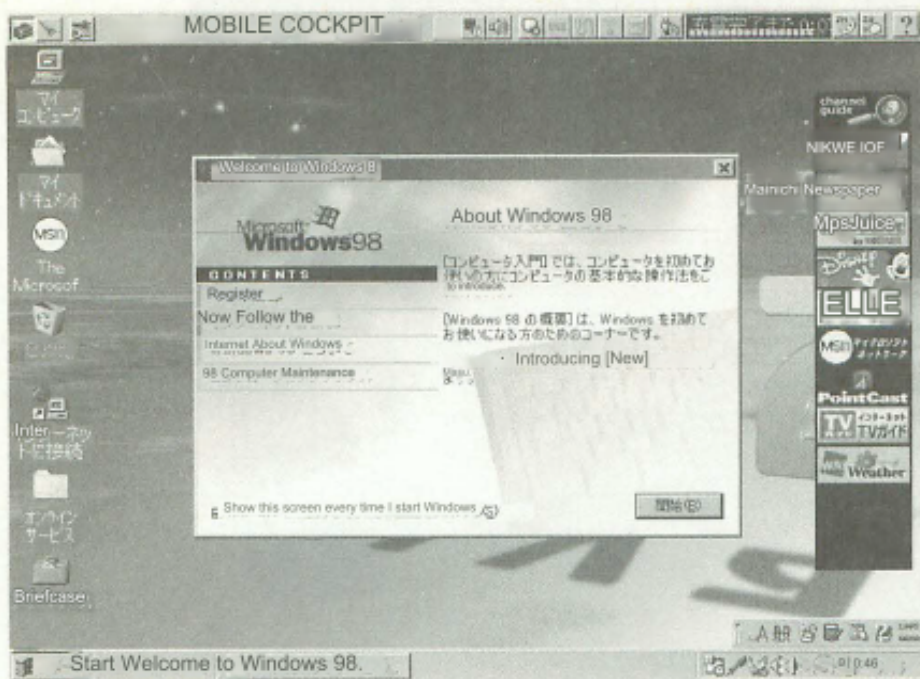
To confirm the password, enter the same password in "Confirm new password".

All characters entered here are also represented by "\*". When the input is complete, click the [OK] button. The user name and password entered here will be required for next login to Windows 98.

## 8. Set Date and Time Properties



Make sure that [(GMT+09:00) Tokyo, Osaka, Sapporo] is selected for [Time Zone]. Click the Date and Time tab and set the date and time. For the month, click [▼] and select the month from the list. Set the day by clicking the number on the calendar. For the time, enter the hours, minutes, and seconds as numbers. AM and PM can be switched using [▲] and [▼]. After setting, click the [Close] button.



This completes Windows 98 setup. After this, the initial Windows 98 screen will be displayed and you will be able to use Windows 98. For instructions on how to operate Windows 98, refer to the included "Windows 98 Operation Guide."



This machine comes with various software preinstalled. See page 67 for how to use these.

## Standby and hibernation

Depending on how you turn off the power,

- Power off
- Standby state
- Hibernation state

It can be in three different states. These differ in terms of power consumption when turned off and the time it takes for Windows 98 to become available again. Please understand the characteristics of each and choose the appropriate method.

### •Power off

Completely shuts down (quits) Windows 98 and cuts off power. As with hibernation, this prolongs battery life, but when you turn it back on, you will have to start Windows 98 from the beginning. The previous state of Windows 98 or applications is not saved. Select this method if you plan to turn off the power for a long period of time or expand additional memory.

### •Standby state

In standby, most devices, including the LCD screen display, go into hibernation mode, but the running state of Windows 98 and applications remains in memory and is ready for immediate use. For this reason, the time it takes to return to the Windows 98 screen is the shortest, but it does consume a small amount of power all the time. This is suitable when you briefly step away from your computer during an operation and want to immediately resume the previous operation. You can recover by touching the thumb pad etc.

### •Hibernation state

It is the same as standby mode in that it saves the running state of Windows 98 and applications, but hibernation mode records this information on the hard disk and stops power supply to the system. Compared to the standby state where the Windows 98 screen returns from information written to memory, it takes longer to return, but it does not consume power. This is suitable when you want to interrupt computer operation for a long period of time, or when you want to save the state of Windows 98 or applications in the same state as before. Press the power switch to recover.

The table below summarizes the differences between the power off state, standby state, and hibernation state.

situation	Where to save the state	Time taken to recover	power consumption	PW-LED display
power off	— (Do not save)	Slow (restarts)	none	lights out
standby state	memory	fast	can be	blinking
hibernation state	hard disk	slow	none	lights out



When using the device with only the battery pack, the device automatically enters standby mode 10 minutes after there is no key or thumb pad input by default. Furthermore, if 10 minutes have passed, the hibernation function will be activated.



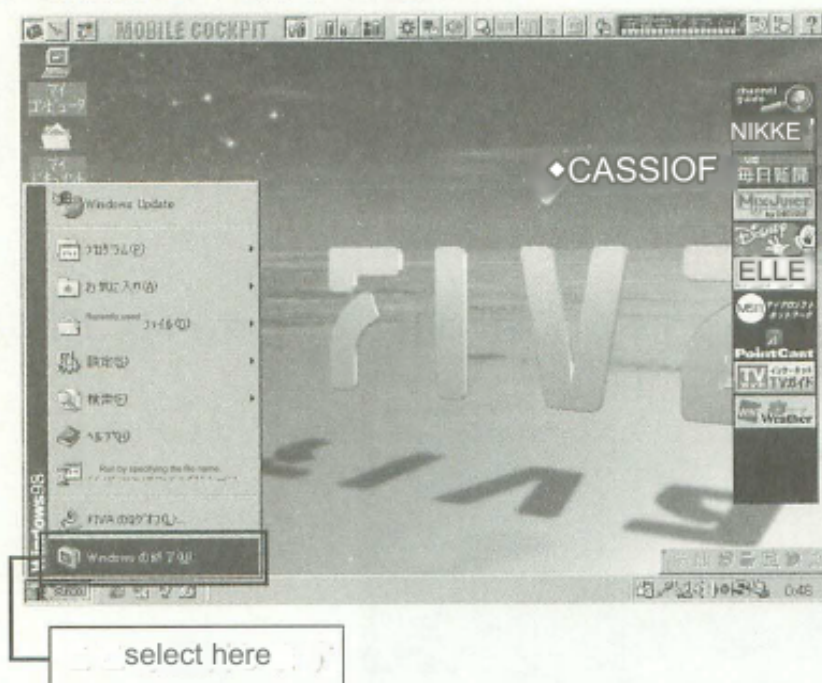
If you leave it in standby mode for a long time with just the battery pack, you may not be able to return to normal mode. If you will leave the product unattended for a long time, turn it off or put it into hibernation.



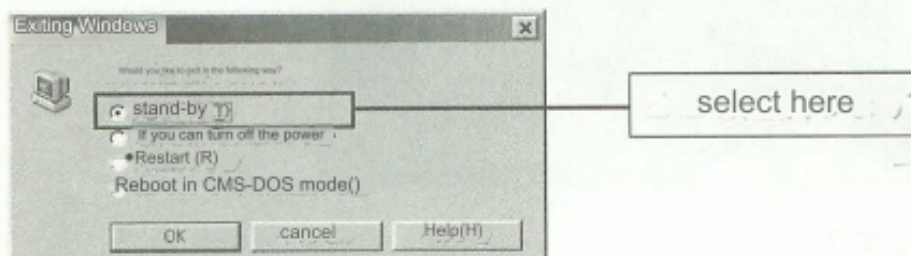
## • Quitting from the start menu (standby state)

procedure

1. Click the Start button or press to display the menu.
2. Select Shut down Windows.



3. Select the circle to the left of [Standby] and click the [OK] button. The screen will turn off and the unit will go into standby mode.



When you want to start using it again, touch the thumb pad etc. and it will return to the state before you turned off the power.

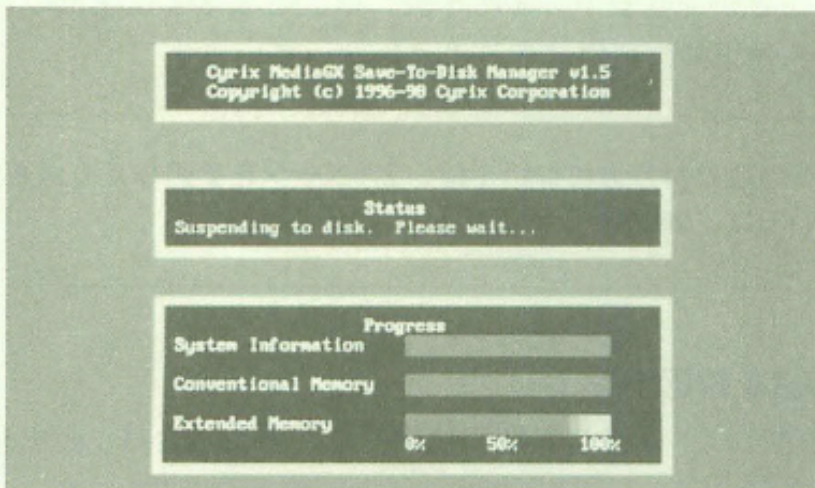
## • Close the display section (standby state/hibernation state)

When you close the display section of this device, it automatically enters standby mode. When you want to start using it again, open the display and the standby mode will return to the Windows 98 screen.

The hibernation function of this unit automatically activates if the display is closed and the unit remains in standby mode for 10 minutes. If you want to start using the computer again even if it goes into hibernation, press the power switch to start it up. If you wait for a while, the Windows 98 screen will return (however, it will take longer to return to the Windows 98 screen than in standby mode).

• Press the power switch (hibernation state)

If you hold down the power switch of this machine for more than 1 second, the hibernation function will activate.



The contents of the memory will be written to the hard disk, so it will take some time, but the writing process will take some time.

The power will turn off automatically after the loading is complete.

To start using it again, press the power switch. After the "CASIO" logo screen is displayed, the screen returns to the Windows 98 screen.

2

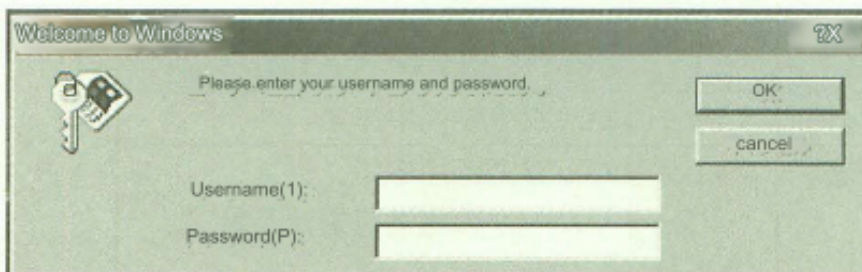
Turn on the power (second time onwards)

If you turn on the power for the second time or later, the initial Windows 98 screen will be displayed. Please perform the operations for Windows 98.

No user information entry or license agreement screens will be displayed.



The screen display may flicker white for a moment due to screen switching from when the power is turned on until the initial Windows 98 screen is displayed, but this is not a malfunction.



## use battery pack

This machine comes with a battery pack as standard. By charging it, you can use it while out and about without connecting the AC adapter. This unit is also equipped with various power management functions that allow you to use the battery effectively.



See page 27 for instructions on how to install the battery pack. See page 28 for charging instructions.

### • Check the charging capacity of the battery pack

The battery pack is self-discharging. If the product has not been used for a long period of time, be sure to charge it before use.

There are three ways to check the battery charge capacity:

#### ■ Check by PW-LED color

When the remaining battery power becomes low (10% or less) while using only the battery pack, the PW-LED will start flashing orange. In this case, connect the AC adapter to charge the battery. If you continue to use the device without connecting the AC adapter, it will automatically go into hibernation mode when the remaining capacity is 5% (page 45).



If you turn on the power and use it when the battery level is less than 10%, a warning will appear on the screen and the power will turn off automatically. In such cases, connect and use the AC adapter.



Even if you leave the power on, connecting the AC adapter will start charging the battery. However, you can complete charging the battery more quickly by turning off the power and charging.

PW-LED status	Content
orange light	In use with battery pack
blinking orange	While using the battery pack, The battery pack is low on battery power, or Standby mode occurs.
solid green	In use with AC adapter
flashing green	Standby state while using AC adapter

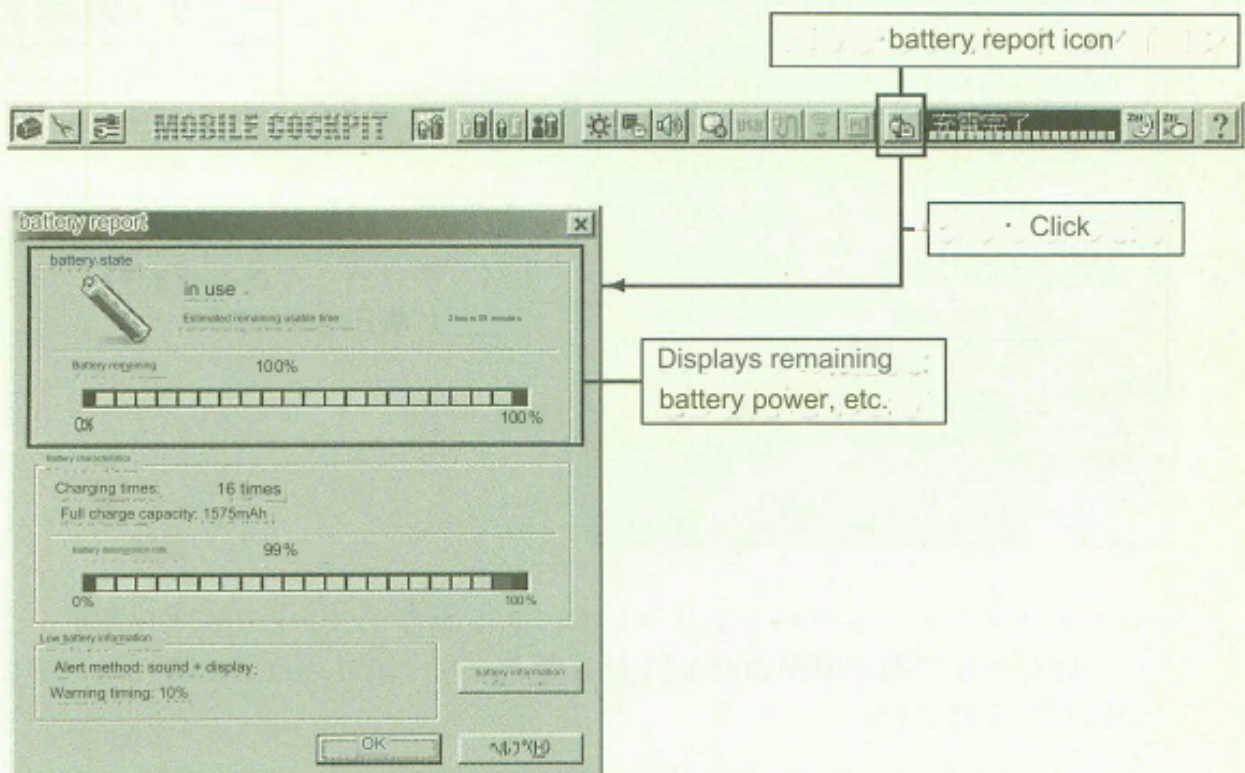
Check by BAT-LED color

If the BAT-LED lights up green when you connect the AC adapter, charging is complete. When the color is orange, charging is in progress (page 29).

Check with mobile cockpit

Mobile Cockpit's battery status monitoring feature allows you to check the remaining battery power. (page 75).

More detailed battery pack status can be found in the battery report.



● Use the battery pack effectively

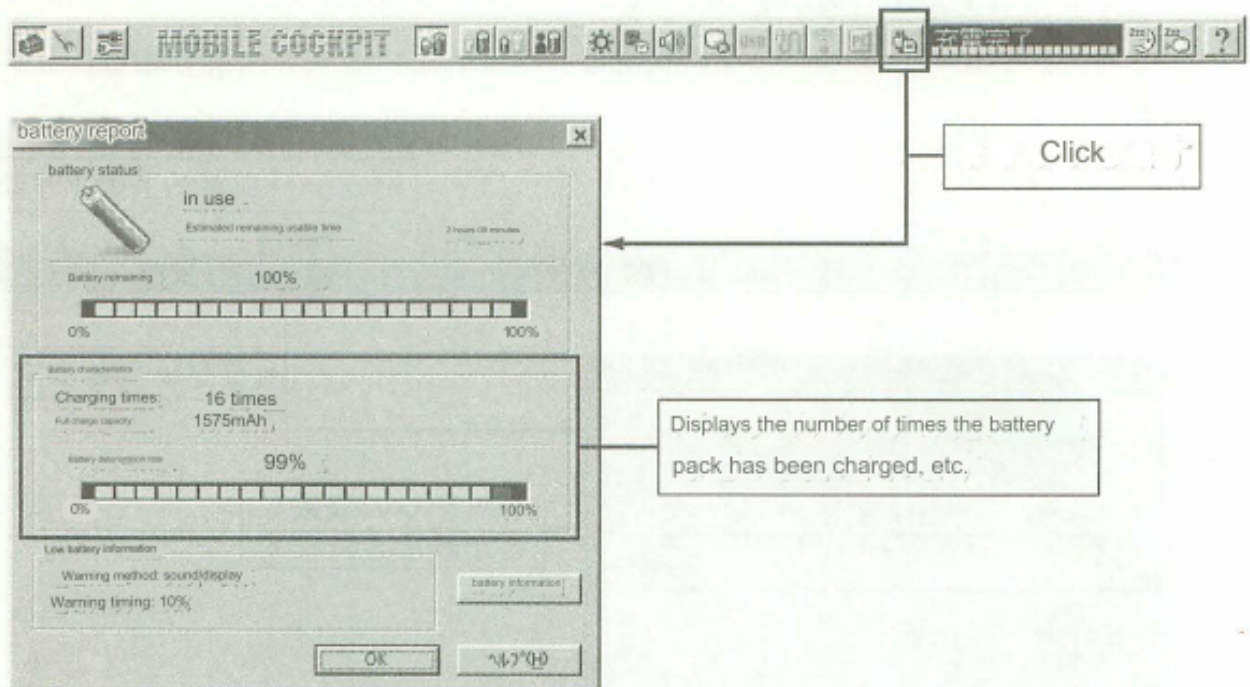
The operating time of a battery pack varies greatly depending on the usage environment and usage. By using the power management function of this unit (Mobile Cockpit's "Power Management Function"), you can extend the usable time of the battery (page 70).

■ When forced hibernation is executed

In order to avoid losing files, etc. that are being worked on with applications, this unit will forcefully enter a hibernation state when the battery level becomes low. If forced hibernation is executed in this way, connect the AC adapter and press the power switch. Returns to the state immediately before forced hibernation (page 44).

 Know when to replace your battery pack

If a battery pack is used for a long period of time, the amount of time the battery can be used for will shorten even after charging is complete. The battery pack is a consumable item, so when the battery usage time becomes shorter, replace it with a new one. With this device, you can use the mobile cockpit to find out when it is time to replace the battery pack.



See "Battery Deterioration Rate" in the Mobile Cockpit Battery Report. As a guide, when the deterioration rate falls below 30%, it is time to replace the battery. Please replace it with a new one.



The values displayed on the "Battery Report" tool etc. will vary depending on the usage environment. Please use this as a guideline when using.

• Use a large capacity battery pack

If you need to run this unit on battery power for long periods of time when you are out and about, please use the optional high-capacity battery pack. (please). As a guide, a large capacity battery pack can be used for approximately 6 hours. Installation/removal methods are the same as for standard battery packs.

## Setting the speaker volume

There are three ways to change the volume of the built-in speaker:

### ■ Setting the volume using hotkeys

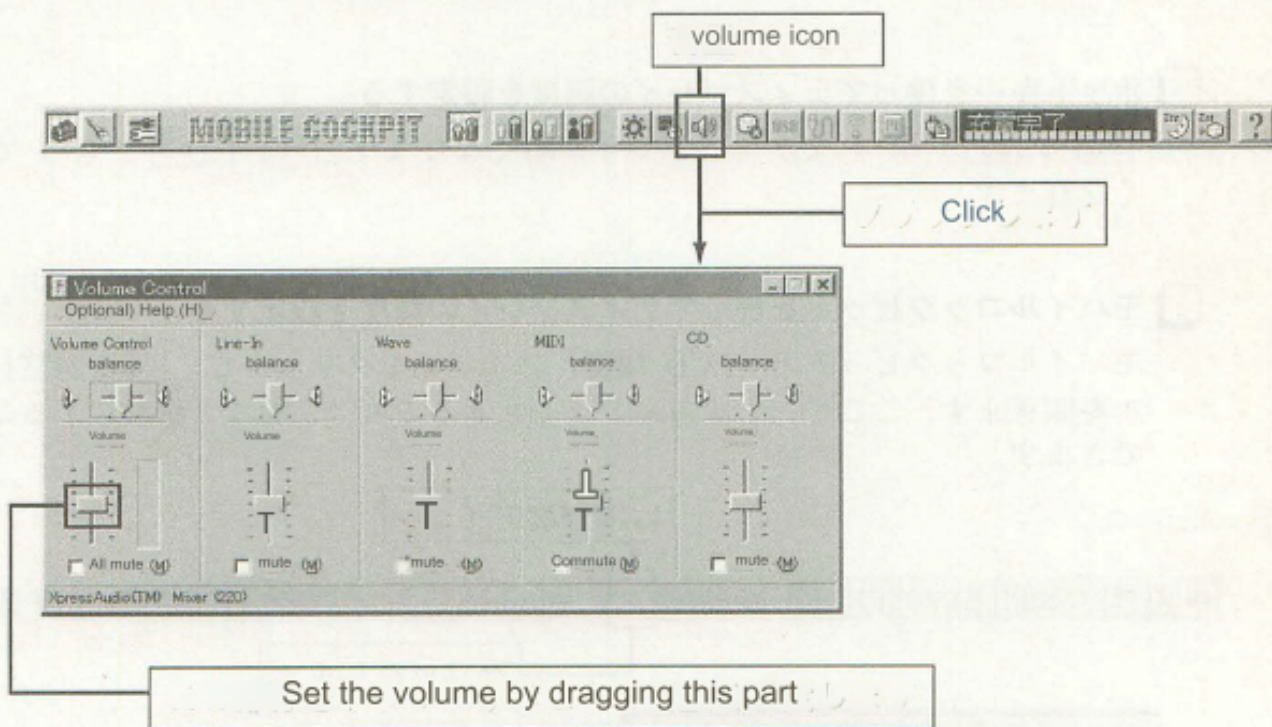
Fn+F5(▼) decreases the speaker volume. Fn + F6(▲) increases the volume.



Volume settings using hotkeys are handled internally by Mobile Cockpit. Therefore, if Mobile Cockpit is not installed correctly, you will not be able to set the volume using hotkeys. If the hotkeys are not working properly, please check if Mobile Cockpit is installed correctly. Alternatively, use a method other than the hotkeys shown below to set the volume.

### ■ Setting the volume using the mobile cockpit

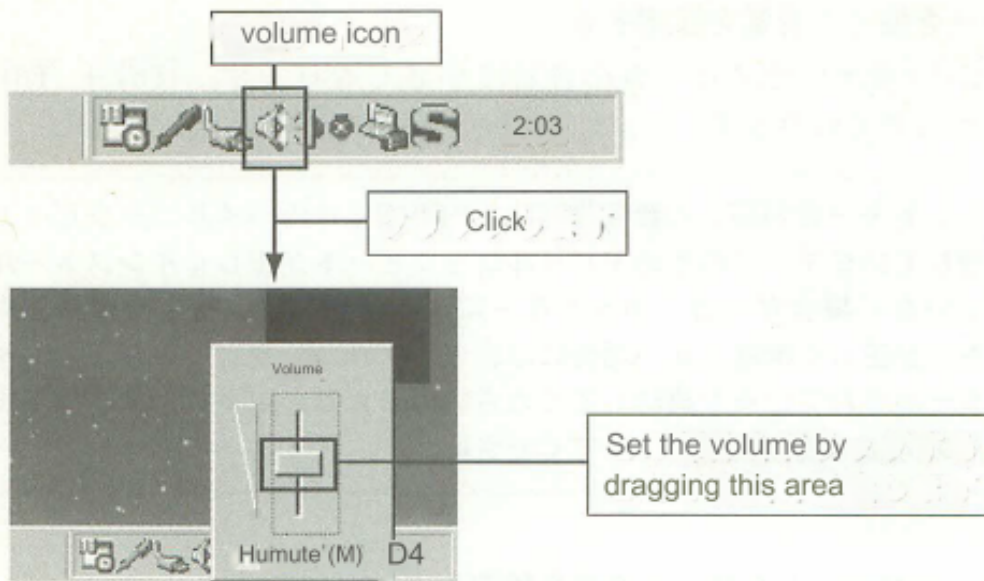
Click the Volume icon in the mobile cockpit to open the volume control. You can increase or decrease the volume by dragging the "Volume" knob on this volume control.



See page 67 for more information about the mobile cockpit.

■ Set the volume using the [Volume] icon in the [Indicator area]

Click the Volume icon in the Indicator Area to open the Volume Adjustment panel. Drag this knob to increase or decrease the volume.



"Setting the display brightness"

There are two ways to set the display brightness:

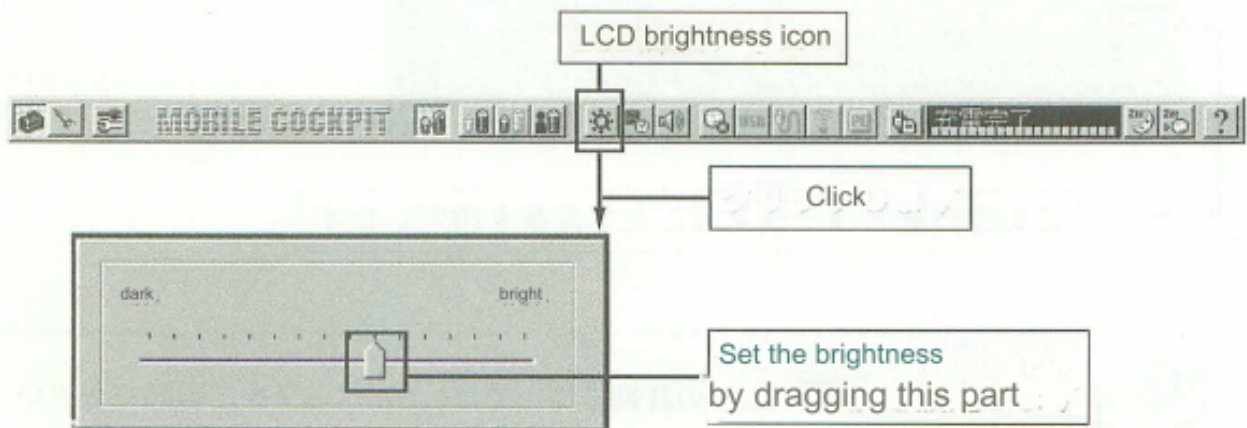
■ Setting the display brightness using hotkeys

Fn + F1 (\*) darkens the display. Fn + F2 (\*) makes it brighter.

■ Setting display brightness using Mobile Cockpit

Click the LCD Brightness icon in the mobile cockpit and select the Brightness Adjustment panel.

Open the file. Here, you can set the brightness by dragging the knob.



See page 67 for more information about the mobile cockpit.

when you need it

## Chapter 3

This section explains how to connect peripheral devices to the main unit, explains useful functions, and provides information that will help you when you run into problems.

Connecting peripheral devices to the main unit  
Setting a PC card or additional memory  
Connecting peripheral devices to the port replicator  
Using the mobile cockpit  
Using gesture functions  
Exchanging data with a digital camera  
Troubleshooting



TranP

CASIO



Devices that are connected to this machine and used, such as printers and external floppy disk drives, are called "peripheral devices." This section explains how to connect peripheral devices from the main unit, how to install PC cards and additional memory, and how to connect peripheral devices from the port replicator.

For peripheral devices not explained in this manual, please refer to the instruction manual attached to each peripheral device.



When connecting peripheral devices, turn off the power and unplug the power cord before proceeding. Some peripherals are plug-and-play, which allows you to connect and use them while the power is on, but this is more reliable.

This unit also allows you to connect the following devices from the main unit.

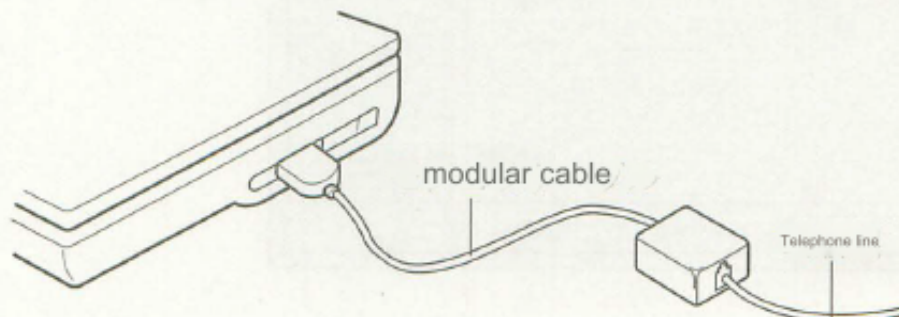
headphone port	Commercially available audio headphones, speakers, etc. can be connected.
communication port	You can use the model with a built-in modem as a fax modem by connecting the included modular cable. *Modular cable is standard on models with built-in modem.
infrared communication port	Data communication is possible with other devices with the same specifications.*
USB connector	Connect USB (Universal Serial Bus) compatible peripherals.

### • Connecting headphones or speakers

You can use the headphone port to connect commercially available headphones or external speakers (see page 47 for details on how to adjust the volume).

### • Communicate using the communication port

Models with a built-in 56kbps\* fax modem can perform high-speed data communications and send and receive faxes. This is done by connecting a modular cable to the communication port.



\*Actual communication speed will vary depending on the line conditions used.

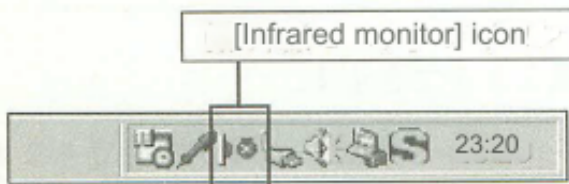


Do not move the product with the serial conversion adapter (communication cable) connected to the communication port. Doing so may damage the communication port or disconnect the serial conversion adapter (communication cable).

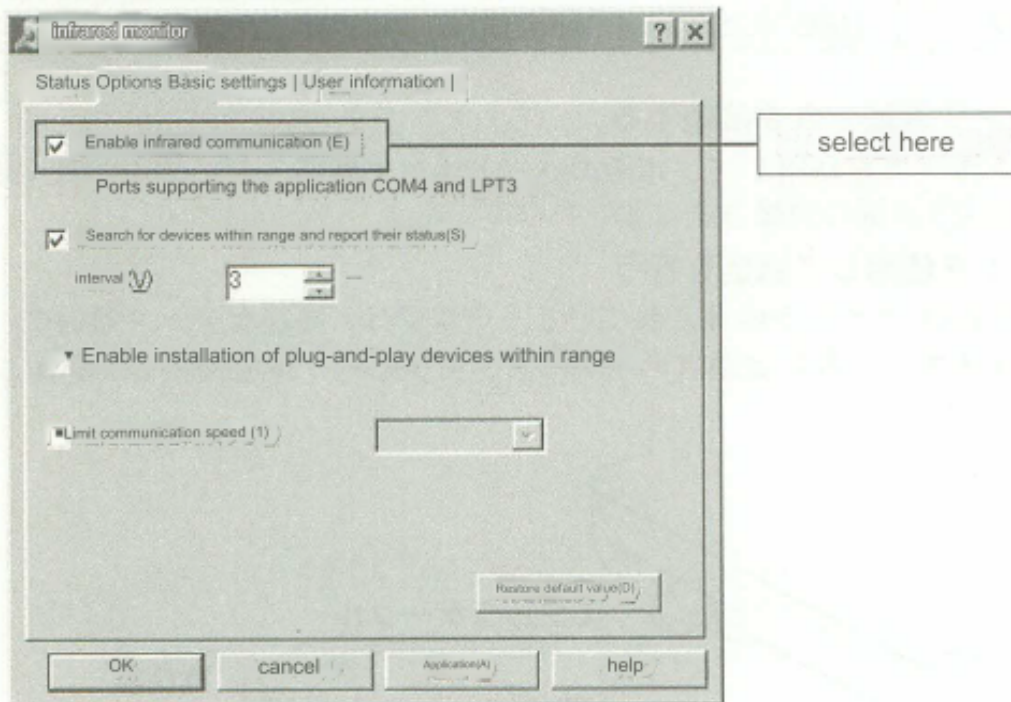
- Perform infrared communication
- Communication between computers

procedure

1. Double-click the Infrared Monitor icon in the indicator area.

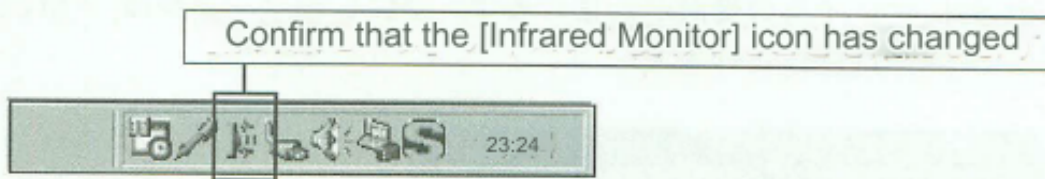


2. The Infrared Monitor window will appear. Click the [Options] tab in this window, and click the box to the left of [Enable infrared communication] to check it.



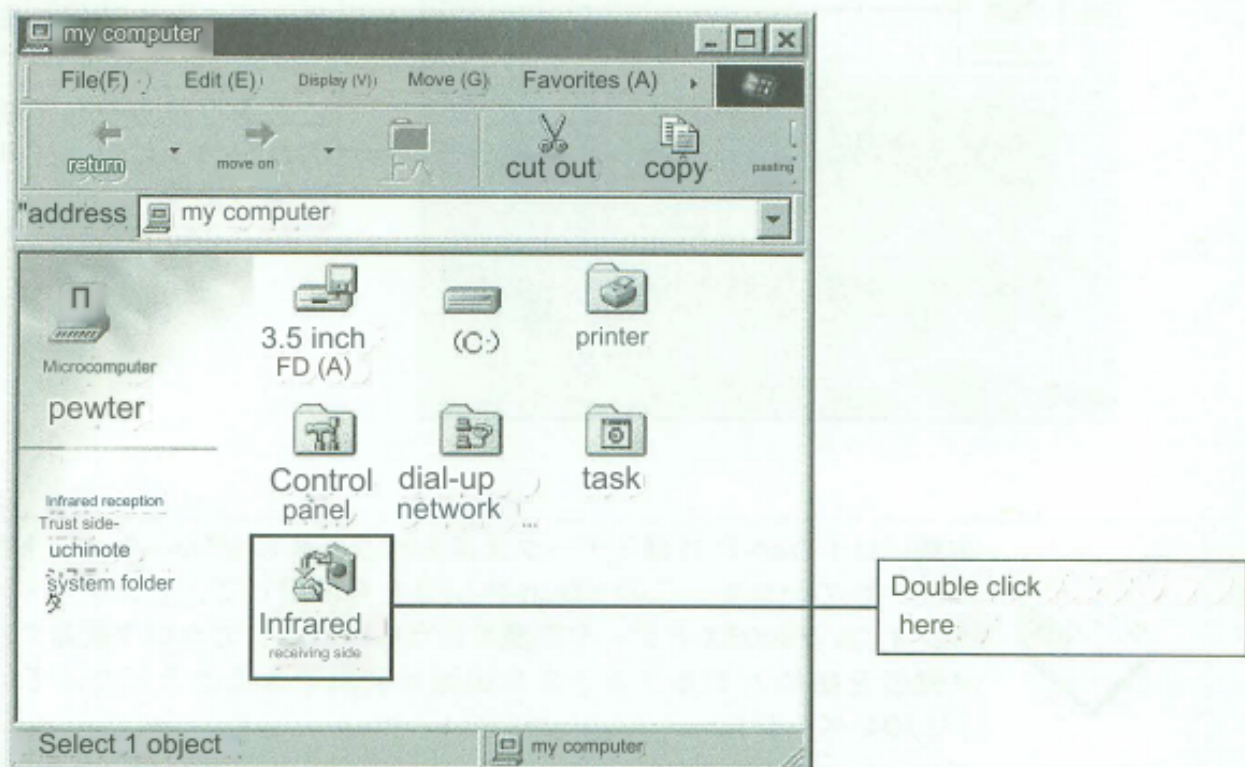
3. Click the OK button.

4. Check that the [Infrared Monitor] icon in the indicator area has changed to a communication ready state.



5. Move the infrared communication port of this machine close to the infrared communication port of the computer with which you want to communicate.

6. Double-click the Infrared Receiver icon in My Computer.

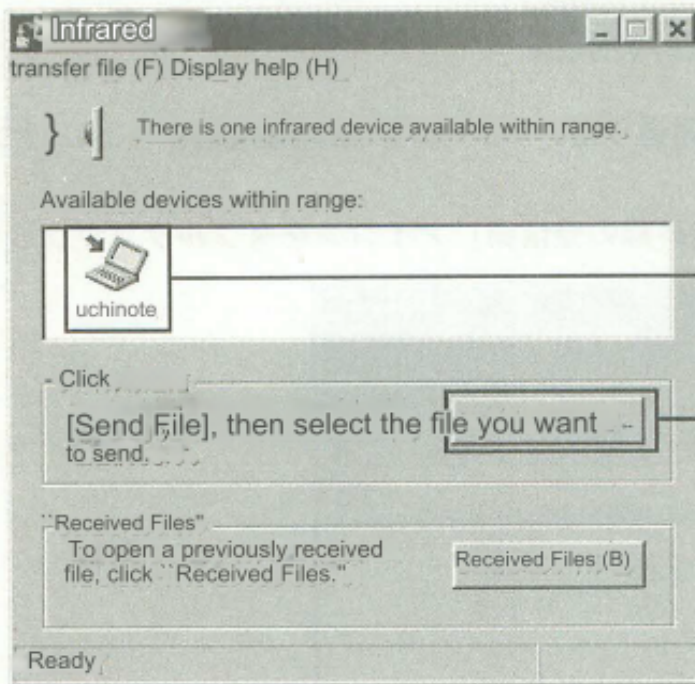


Check whether the name of the computer you want to send and receive files from is displayed in [Available devices within range].

## 7. Send and receive files.

If you want to send a file, click the [Send File] button and select the file name you want to send.

If you want to receive a file, perform the file sending operation on the other party's computer. File reception will begin automatically. Received files are saved in the My Received Files folder.



Make sure you can see the name of the other person's computer."

Click here to send the file to the recipient's computer.



This machine comes standard with IrTran-P software for exchanging data according to IrTran-P specifications. When using this IrTran-P software to exchange data with the Casio QV-7000SX digital camera, various functions such as the catalog function and panorama function can be used (page 94).

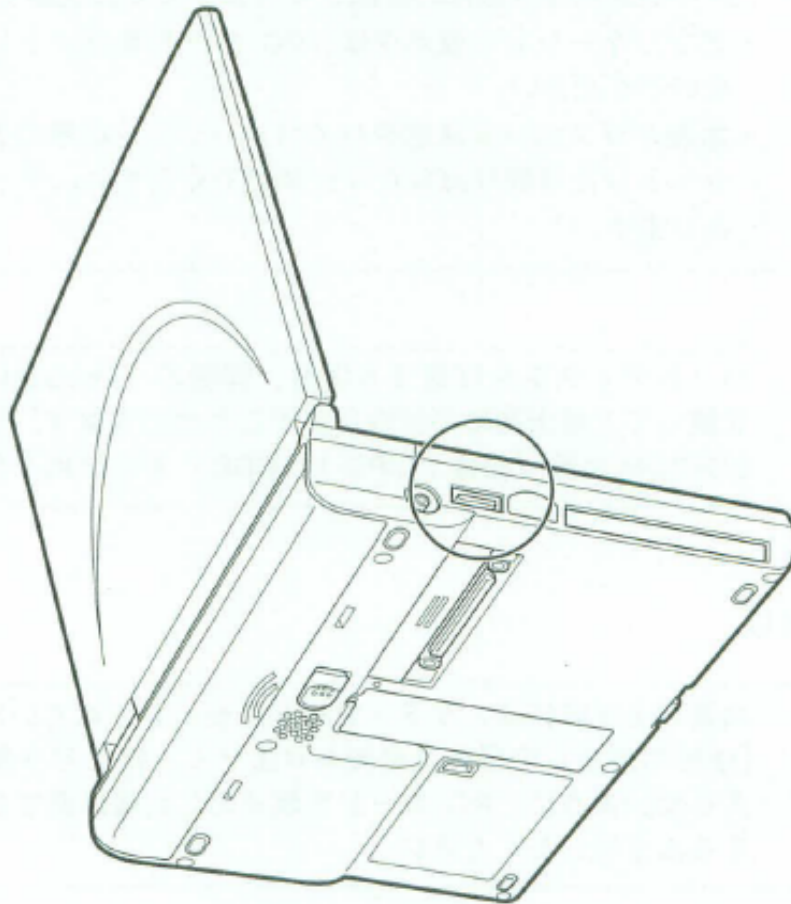


When the infrared monitor is turned on, the battery pack's operating time will be reduced. Please connect the AC adapter and use it.

### ● Connection to USB connector

USB is a standard for connecting peripheral devices such as keyboards, mice, printers, and scanners to computers.

With USB, there is no need to turn off the power to this unit when connecting or disconnecting devices; you can connect while the power is on. There is one USB connector on the main unit and one on the port replicator (sold separately), allowing you to connect a total of two USB compatible devices.



- Use a PC card

One PC Card Standard compliant PCMCIA TYPE II PC card can be installed in this unit.

By using a PC card, you can connect various peripheral devices such as SCSI devices such as scanner devices.



- Please be aware that if you use a PC card that generates a lot of self-heating for a long time, the card may become unstable and cause a malfunction.
- Do not insert or remove a PC card while using an application.
- Do not insert or remove a PC card when the machine is in suspend or hibernation mode. Data may be lost.



If you wish to repair your hard disk, you can use the included "Product Recovery CD-ROM" to return it to its factory state. Please use the CD-ROM device specified by Casio (product number: MPC-141CDD), sold separately.

### removal

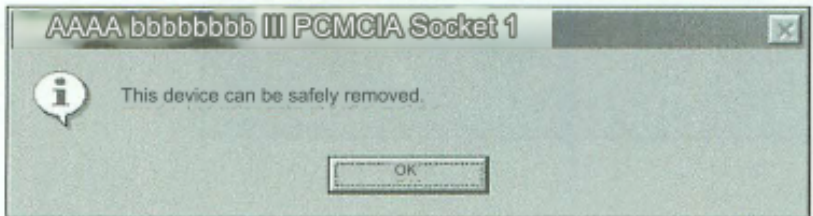
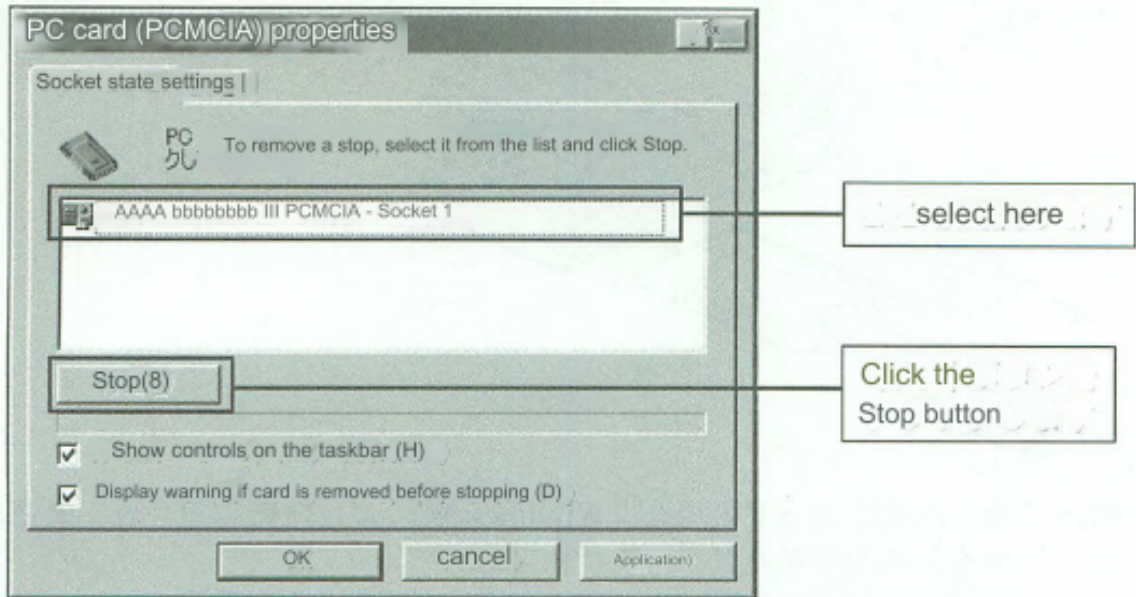


A dummy card is included at the time of purchase. There is no need to [Stop using] the dummy card. Be sure to insert a dummy card after removing a PC card to prevent dust and foreign objects from entering the slot.

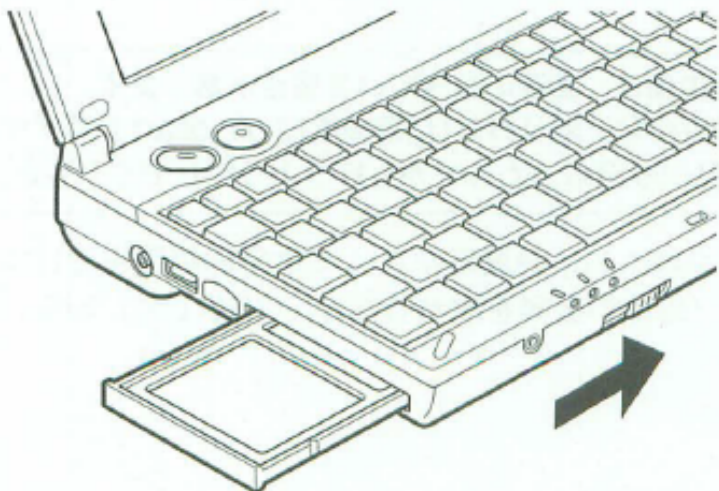
- Before removing the PC card, click the [PC Card] icon in the mobile cockpit to stop using the PC card, and then remove it.

procedure


1. Click the [PC Card] icon in the mobile cockpit or double-click the [PC Card] icon in the [Indicator Area] to display the [PC Card (PCMCIA) Properties] window, and select from the list. Select the card name and click the Stop button to turn off the PC Card.



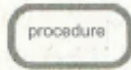
2. Slide the PC card release lever at the bottom of the front in the direction of the arrow. The installed PC card will come out, so remove it.



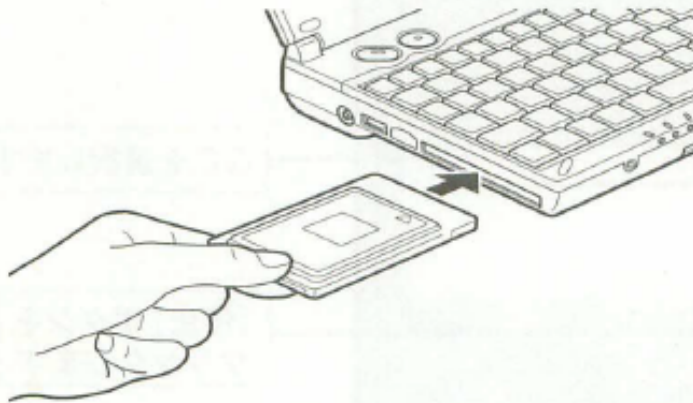
3

 attachment

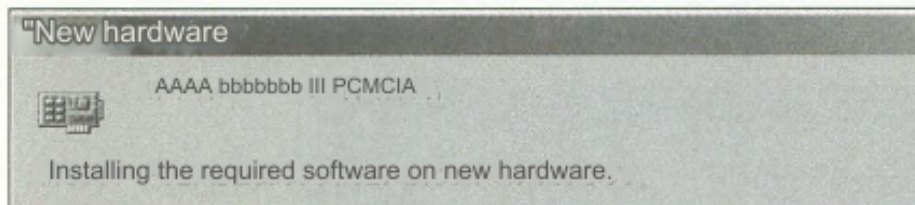
PC cards have a front and back side, and the direction in which they are inserted into the slot is determined. If you force it in the wrong direction, you may damage the connector or slot. Please be careful when setting.

 procedure

1. Check the front and back sides of the card, then insert it into the PC card slot.  
Gently push the PC card release lever all the way in until it slides to the left.



If this is the first time you insert a PC card, Windows 98 will automatically recognize it and install the necessary software.



•Add more memory

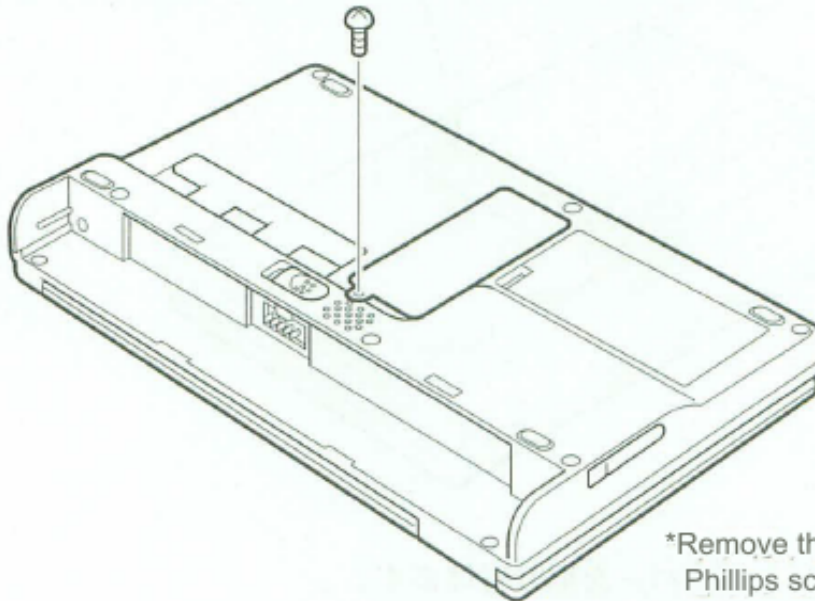
By expanding the memory capacity by adding optional additional memory (model number: MPC-151RAM/152RAM), you will be able to process more applications and large data at high speed.



The inside of the main unit may be hot immediately after use. Before installing or removing additional memory, turn off the power, remove the AC adapter and battery pack, and wait at least 30 minutes before doing so.

Expansion memory is a precision electronic component and may be permanently damaged by static electricity. Dissipate any static electricity (just touch a nearby metal object) before starting any expansion work.

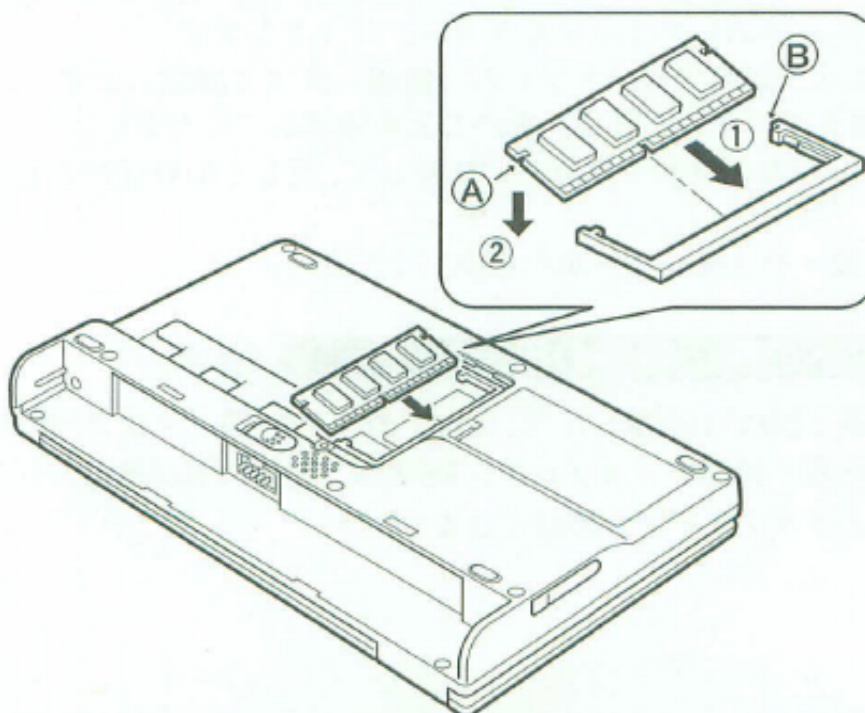
1. Close application software, etc., and turn off the power to this unit. If the machine is in suspend or hibernation mode, return it to its original state and then turn off the power.
2. Disconnect the AC adapter, power cord, and peripheral device cables. Also, remove the battery pack.
3. Remove the screw (1 location) on the back of the main unit. Next, remove the cover for the additional RAM module slot.




\*Remove the screws using a small Phillips screwdriver.

 When installing additional memory

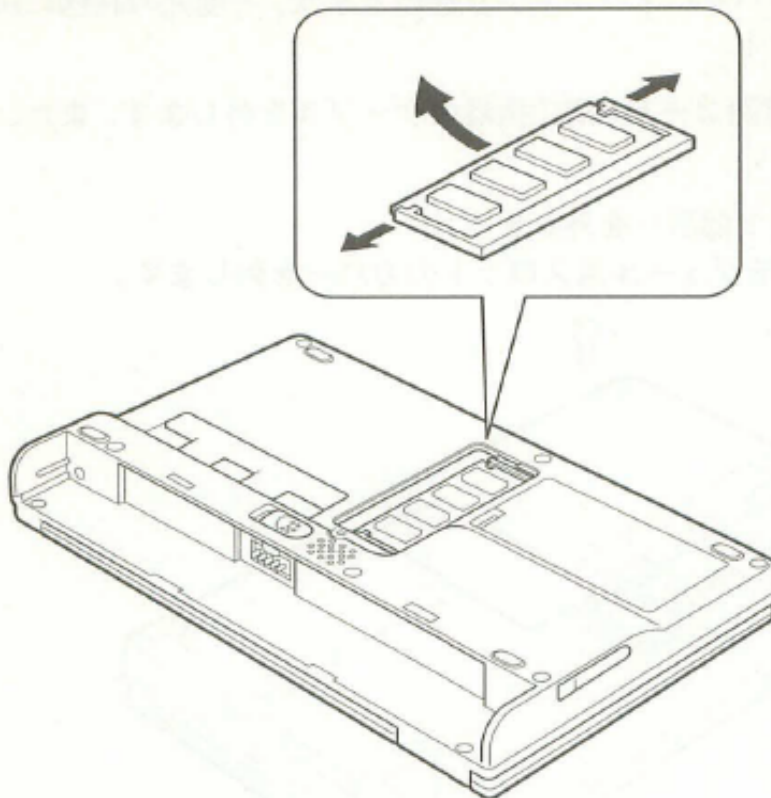
4. Align the notch (Ⓐ) of the additional memory board with the protrusion (B) of the connector of this machine, be careful of the direction and angle, and insert it until the terminals of the additional memory board touch (Ⓛ), and then push it in from above until it locks. Push in (Ⓜ).



If the direction or angle with the groove is incorrect, it will not fit properly.

 When replacing additional memory:

5. While pushing both sides of the connector to the left and right, lift up the installed memory board and remove it. Install the new additional memory board.



6. Reattach the cover you removed in step 3.

#### ■ Checking the added memory

Check whether the expansion was successful and whether the memory is recognized by this machine.

- Open the [Control Panel] by selecting the [Start] button → [Settings] → [Control Panel] and double-click the [System] icon.
  - Check the [Information] tab of the displayed [System Properties].

If the memory capacity has not increased, check the following:

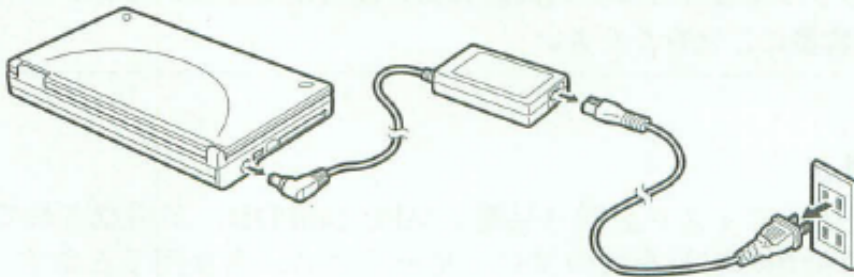
- Remove the slot cover for the additional RAM module and check if it is installed correctly.

- Please use an expansion memory module specifically designed for FIVA.

## Connecting peripherals to the port replicator

The port replicator (model number: MPC-160PR) includes PS/2 compatible devices (mouse, external keyboard, etc.), USB compatible devices, external displays, RS-232C standard peripherals, printer devices, and external devices. A floppy disk drive can be connected.

1. Close application software, etc., and turn off the power to this unit.
2. Disconnect the AC adapter and peripheral device cables.



3. Close the display area and turn the device over.

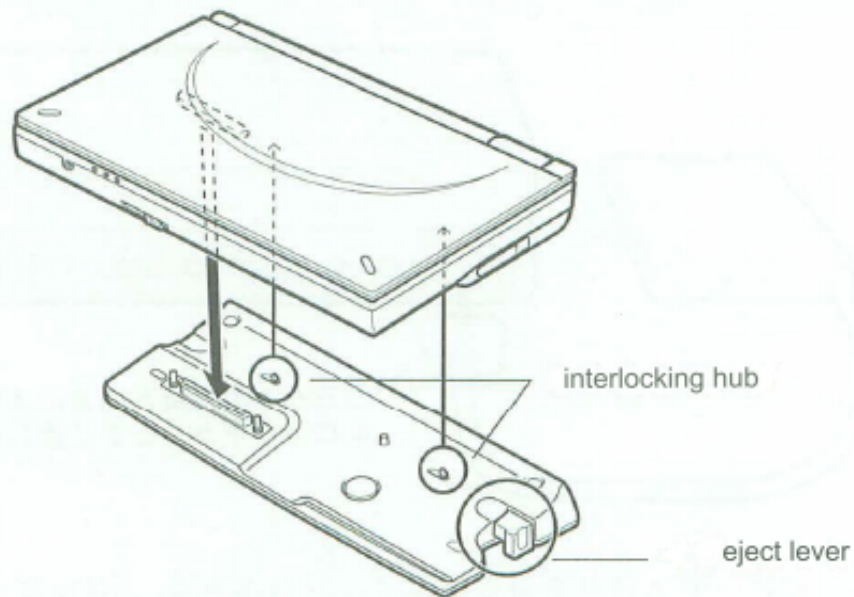
■ Removal



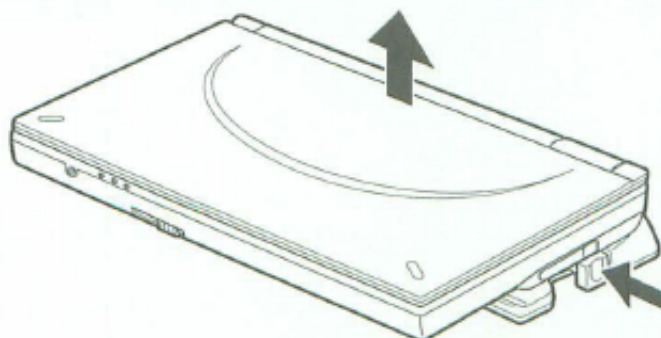
■ Installation



Open the expansion connector cover on the bottom of the unit and attach the port replicator. Align the expansion connector on the port replicator with the expansion connector on the bottom of the unit, and then align the mating hub with the expansion connector on the bottom of the unit. Push it in so that it is firmly engaged. If the eject lever is firmly seated, installation is complete. accomplished.



While pressing the ejector lever on the port replicator, hold both ends of the port replicator and lift the unit to remove it.





- When carrying the port replicator with it attached, be careful not to remove it from the main unit. It will be the cause of the failure. - When connecting peripheral devices to the port replicator, you may not be able to use the peripheral devices unless you use an AC adapter due to the power capacity. Please pay attention to the power capacity.

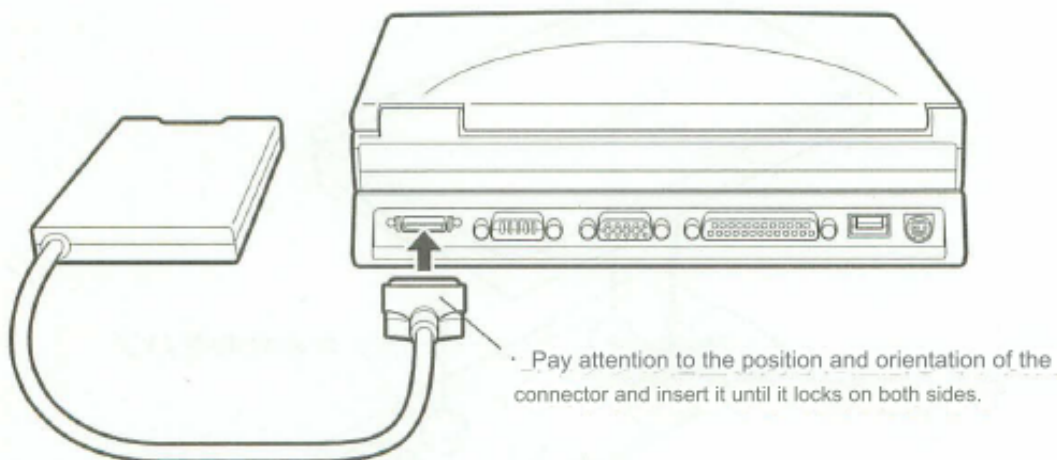
•Use a floppy disk

This unit is equipped with an optional floppy disk device (model number: MPC-140FDD), which allows you to use floppy disks with two capacities: 720KB and 1.44MB. By connecting a floppy disk device, you can save data and exchange data with other computers.

attachment

procedure

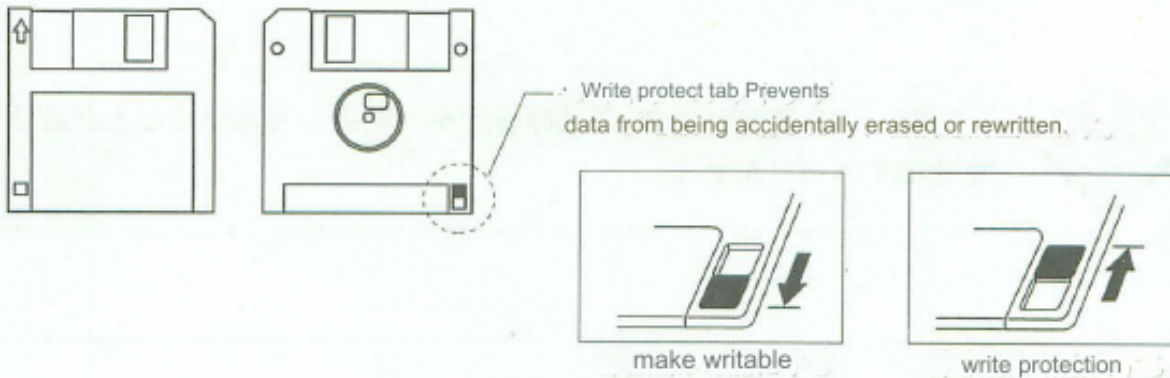
1. Install the port replicator (page 60).
2. Connect the external floppy disk device with the power turned off.




The floppy disk access lamp lights up while writing to/reading from a floppy disk. Never remove the floppy disk while the access lamp is lit. Doing so may result in equipment failure or damage to data written on the floppy disk.

## Floppy disk data protection

Write protection is performed. Floppy disks have a write-protection tab. By setting this tab to the "write-protected" side, data cannot be deleted or overwritten.



 To use a floppy disk, a separately sold floppy disk device (model number: MPC-140FDD) for FIVA is required. It is set at the factory so that it can be used immediately after connection.

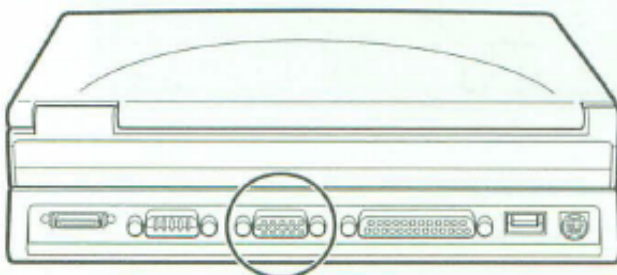
### • Use an external display

You can connect an external CRT or LCD display to this unit and use its large screen to perform various operations.

## ■ Installation

procedure

1. Install the boat replicator (page 60).
2. Connect the display with the power turned off. Insert the connection cable from the display into the display connector, paying attention to the position and orientation of the connector. Connect the display power cord to a separate AC outlet. (Please refer to the instruction manual included with the display for details).



3. Turn on the machine and start Windows 98.

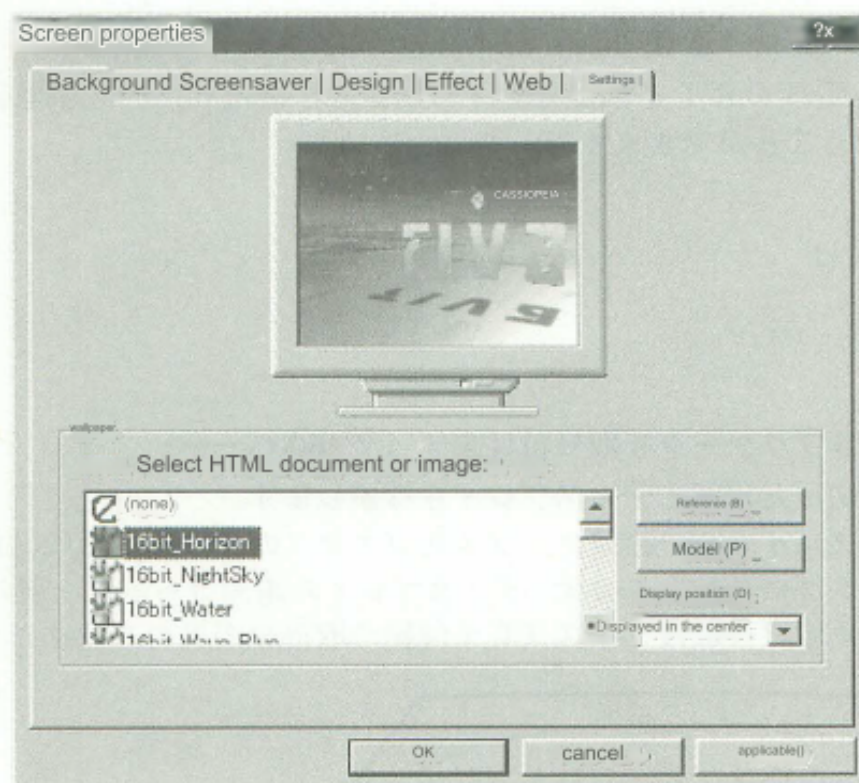
4. Press Fn + F10 to switch the view to the external display. Fn + F10 switches the output destination in the following order: LCD → External display → LCD + external display → LCD.



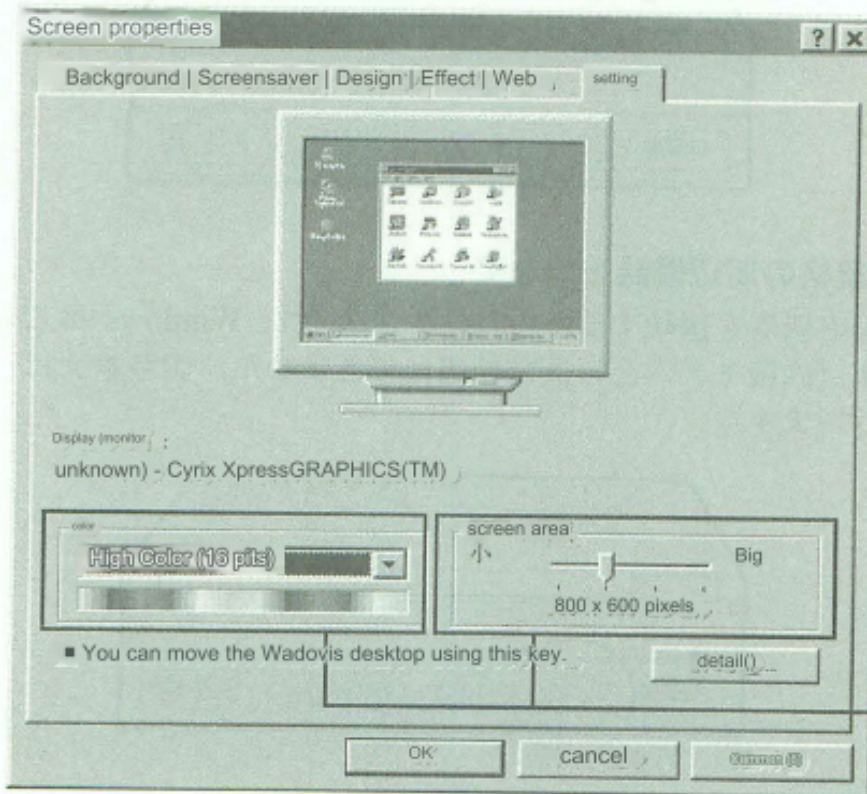
When changing the screen mode, the screen display may momentarily flicker white, but this is not a malfunction.



If you are viewing only on an external display, you can change the screen resolution and color depth. Right-click on the Windows 98 desktop and select Properties from the shortcut menu. [Display Properties] will be displayed.



Now click on the Settings tab and change Color and Screen Area.



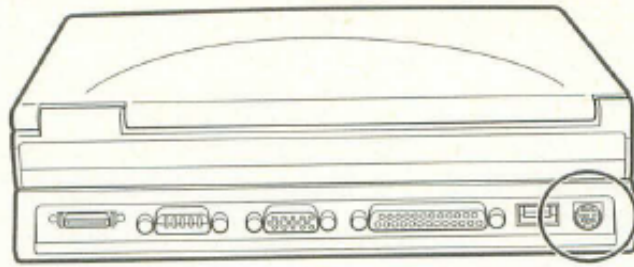
You can select the color and screen area from the combinations in the table below.

color	Screen area (pixels)
16 bit	640×480/800×600/1024×768
256 colors	640×480/800×600/1024×768/1280×1024
16 colors	640×480/800×600/1024×768/1280×1024

However, depending on the external display, it may not be possible to display all resolutions/color depths.

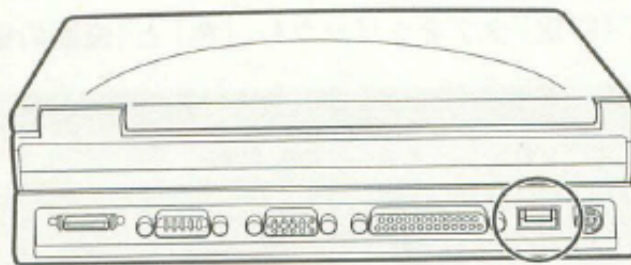
- Connect a mouse or external keyboard

You can connect a mouse or keyboard (sold separately) to the PS/2 connector. Mouse settings can be done in Windows 98.



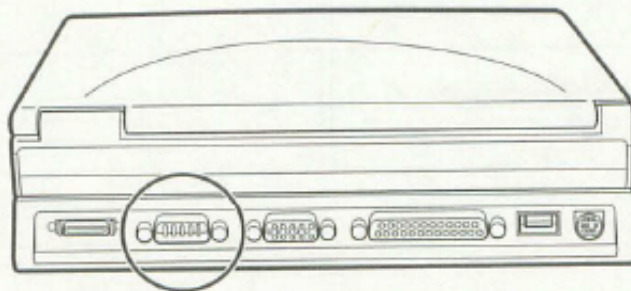
- Connecting USB-compatible devices

You can connect a separately sold USB device to the USB connector.



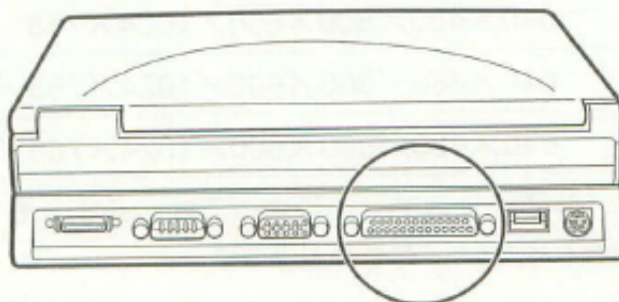
- Connect RS-232C standard peripheral devices

A connector for connecting serial compatible devices. In Windows 98, it is called COM1 (it cannot be used with the built-in modem at the same time. Switching is done in the mobile cockpit).



- Connect the printer

You can connect an optional printer or parallel-compatible device to the parallel connector. In Windows 98, it is called the Printer Port or LPT1.



## Use mobile cockpit

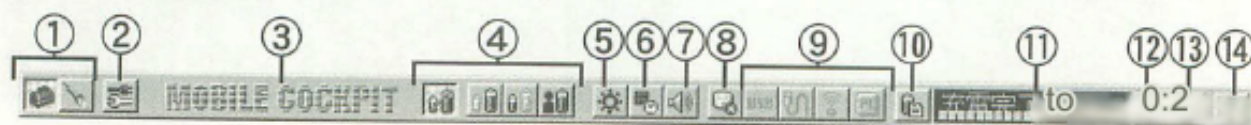
In order to use this unit comfortably, the unique software "Mobile Cockpit" is pre-installed and appears as a toolbar at the top of the Windows 98 desktop.

In the mobile cockpit,

- Power management settings
- Checking the battery pack status
- Start the application
- Hardware power control
- Check BIOS settings

etc. can be done.

System management toolbar



AP launch toolbar

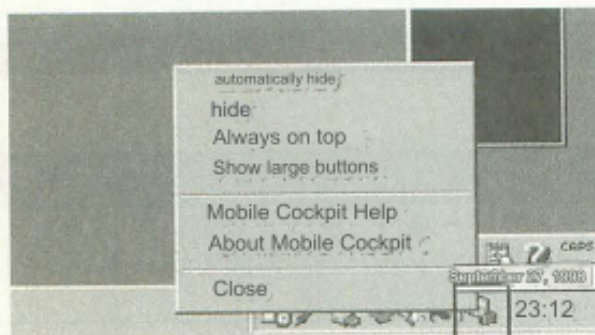
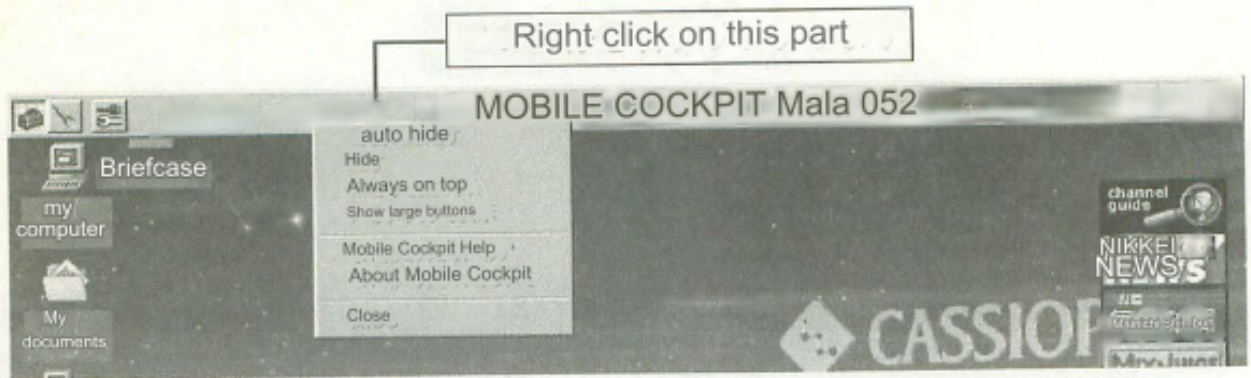


number	function	explanation	reference
①	Toggle toolbar	Toggle the Mobile Cockpit toolbar between System Management Toolbar and AP Launch Toolbar.	page 77
②	Launching system-related tools	Start [Power Management Setting Tool] and [BIOS Setting Tool].	72,82 pages
③	Mobile cockpit configuration function	Configure settings such as changing the icon size and hiding the toolbar.	68 pages
④	Power management settings	Configure power management settings such as full power and economy.	70 pages
⑤	Setting LCD brightness	Change the brightness of the LCD display.	48 pages
⑥	Setting CPU speed	Change the CPU operating speed.	81 pages
⑦	Setting the volume	Change the volume level.	page 47
⑧	hard disk stop	Stops hard disk operation.	80 pages
⑨	Stopping power supply to each hardware and starting control software	Stops supplying power to USB, serial, etc. Launch the infrared port and PC card properties.	80 pages
⑩	Launch battery report	Launches the battery report that displays the remaining battery status, number of charging times, etc.	75 pages
⑪	Battery status display	Displays the current battery level and estimated remaining battery usage time.	75 pages
⑫	Transition to standby state	It will enter standby mode with the current status saved.	page 77
⑬	hibernation state transition to	The computer enters hibernation state while preserving the current status.	page 77
⑭	Launch help	If you are unsure about the features of the Mobile Cockpit, please click here.	70 pages

- Configure mobile cockpit

Mobile Cockpit allows you to hide toolbars and make buttons on menus larger.

To configure, right-click the "MOBILE COCKPIT" logo on the toolbar or click the "Mobile Cockpit" icon in the "Indicator Area".

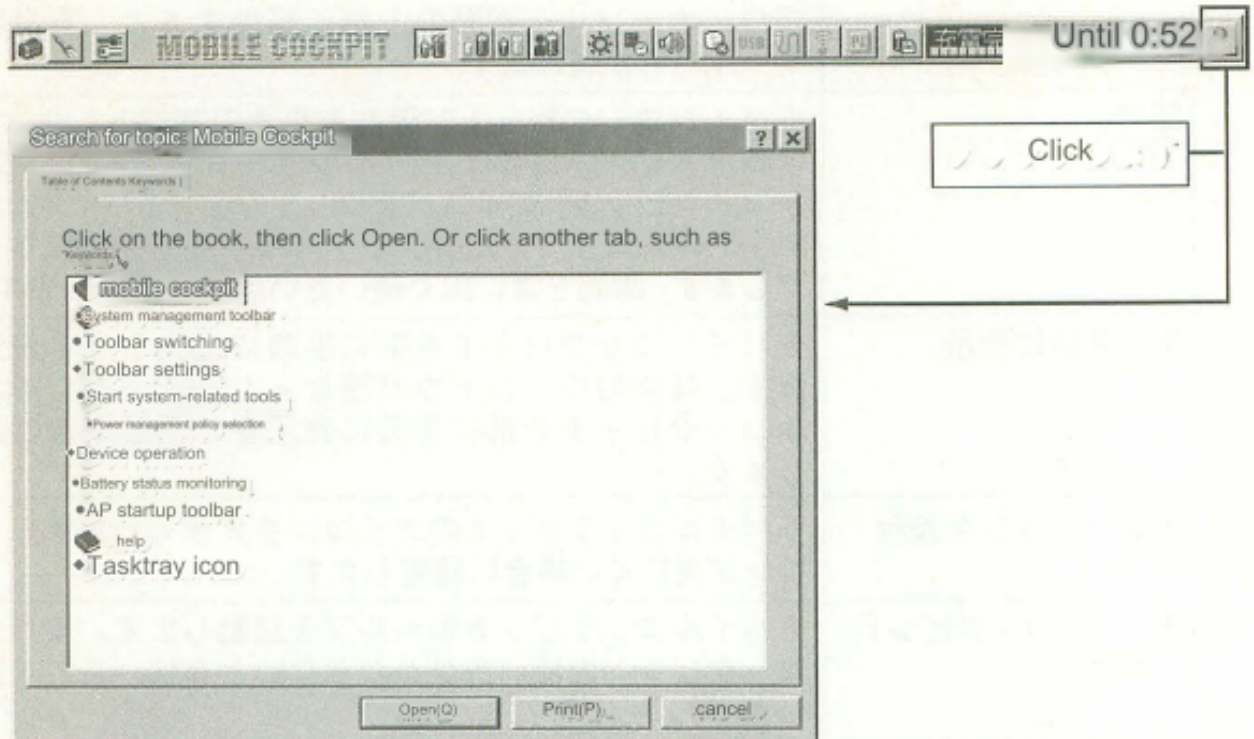


The following settings can be made for each menu item.

menu	function
auto hide	Use this setting if you want to use as much screen space as possible. Automatically hide the toolbar when using Mobile Cockpit. Even at this time, if you move the mouse cursor to the top of the screen, the toolbar will automatically appear.
hide	The mobile cockpit remains hidden. If you want to display it again, click the [Mobile Cockpit] icon in the [Indicator Area] to display the Mobile Cockpit menu, and click [Hide] again. Set this if you want to always use a wide screen.
always on top	The mobile cockpit is always displayed on top. Set this if you want the Mobile Cockpit to always be displayed on top even when other windows overlap.
Show large buttons	Make mobile cockpit icons larger. Set this if the icon is difficult to see.
Mobile Cockpit Help	Launch Mobile Cockpit Help. Choose here if you don't know how to use the mobile cockpit.
About mobile cockpit	Displays the version information of Mobile Cockpit.
close	Exit Mobile Cockpit.

- Launch Mobile Cockpit Help

Launch Mobile Cockpit Help by opening the Mobile Cockpit menu and clicking Mobile Cockpit Help or by clicking the ? icon in the toolbar. Help will appear on the screen with detailed instructions on how to use the mobile cockpit.



- Setting power management

With this unit, you can extend the usage time of the battery by changing the amount of power supplied to each peripheral device, such as the CPU, LCD display, and hard disk, depending on the situation. It's called). In order to simplify the settings for each peripheral device,

— economy mode.

✓ Normal mode

— User setting mode

Three types of modes are available. With Mobile Cockpit, you can choose from these three types, as well as a setting without power management.

Also, in user setting mode,

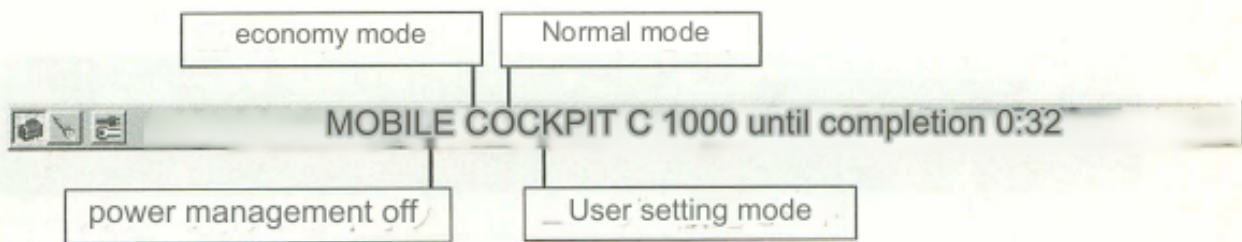
- How long does it take for the system to go into standby after being unused?
- How to warn when the battery is low
- CPU speed

You can make your own settings, such as:



You can also change your system's power management settings using the Windows 98 Control Panel → Power Management → Power Management Properties dialog. Settings under Power Management override Mobile Cockpit settings. Even if you configure power management settings in Mobile Cockpit, if you configure different settings in Power Management, the settings in Mobile Cockpit will be ignored. Only configure Mobile Cockpit settings, not Power Management.

### ■ Changing power management mode



From the mobile cockpit

economy mode

Normal mode

User setting mode

Click each icon to change the power management mode. If you want to extend the battery usage time, please select Economy mode. The specifications for normal mode and economy mode are shown in the table below.



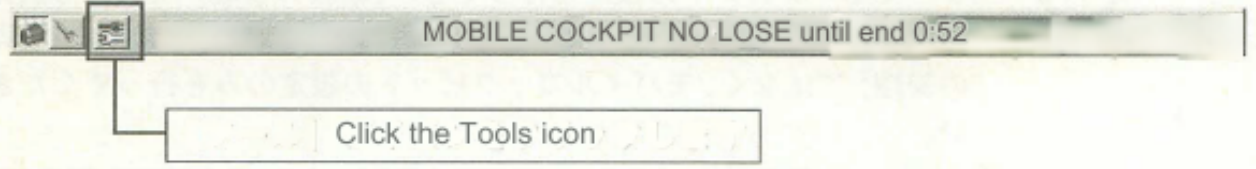
Power management is turned off when the AC adapter is connected:

	Normal mode	economy mode	power management off
CPU speed	100%	50%	100%
"Turn off the hard disk"	5 minutes	1 minute	Do not turn off the power
LCD brightness	90%	50%	100%
Time until standby	10 minutes	2 minutes	No standby
"Time until hibernation"	10 minutes	5 minutes	Do not hibernate

## Change user setting mode

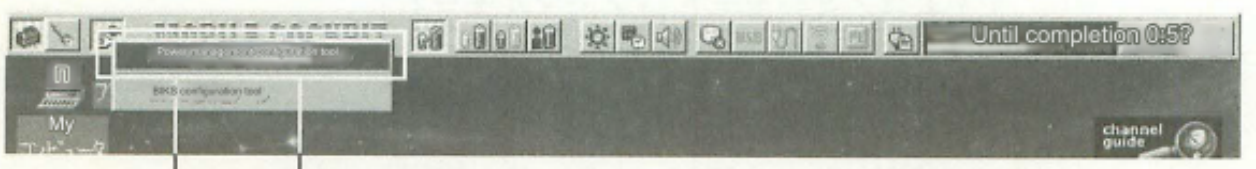
procedure

1. Click the Tools icon in the mobile cockpit.

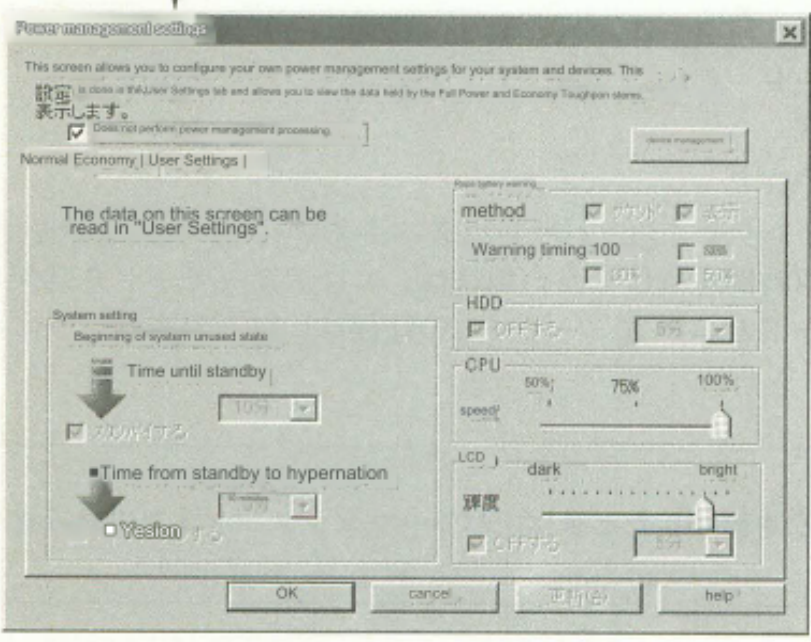


Click the Tools icon

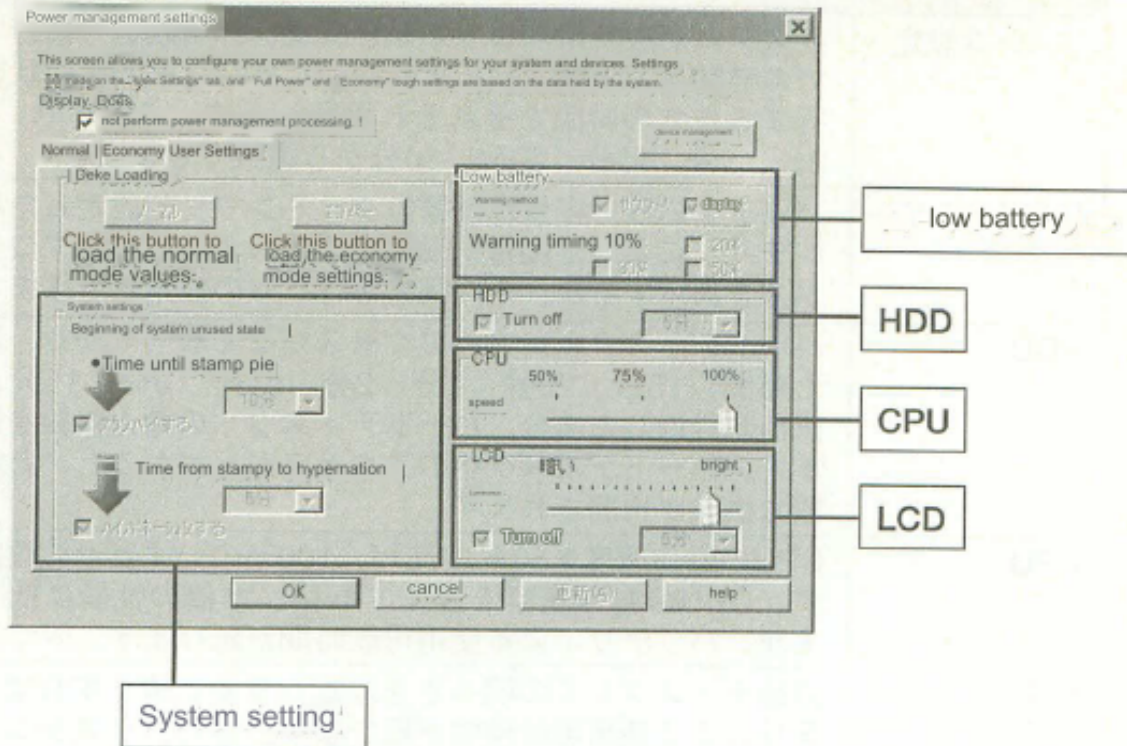
2. Select [Power Management Setting Tool] from the menu.



Click [Power Management Setting Tool]



### 3. Click the User Settings tab in the Power Management Settings window.



### 4. Configure user settings.

If you want to configure settings based on the preset "Normal mode" or "Economy mode", click the [Normal] or [Economy] button to load the settings. after that,

· System setting

· Low battery

· HDD

· CPU

· LCD

Set each item.

item	Content
System setting	Set the time the system waits for the system to go into standby after it has been unused, and the time it takes to go from standby to hibernation. You can select from 1 minute, 2 minutes, 5 minutes, 10 minutes, 20 minutes, and 50 minutes, respectively.
"Low battery	When the remaining battery capacity reaches the percentage set in [Warning Timing], you can set whether to sound a warning sound, display a dialog box, or both.
HDD	If the set time (select from 15 seconds, 20 seconds, 1 minute, 2 minutes, 5 minutes, 10 minutes, or 15 minutes) has elapsed since there was no access to the hard disk, power supply to the hard disk will be stopped. When the hard disk is accessed, power supply will be automatically resumed.
CPU	Set the CPU operating speed to 50%, 75%, or 100%. Slowing down the CPU speed will reduce the performance of the unit, but will extend the battery life.
LCD	Set the brightness of the LCD display. Darker lighting increases battery life. You can also turn off power to the LCD display after a set period of time (selectable from 1 minute, 2 minutes, 5 minutes, 10 minutes, or 15 minutes) after the system has been unused.

5. Click the [OK] button.

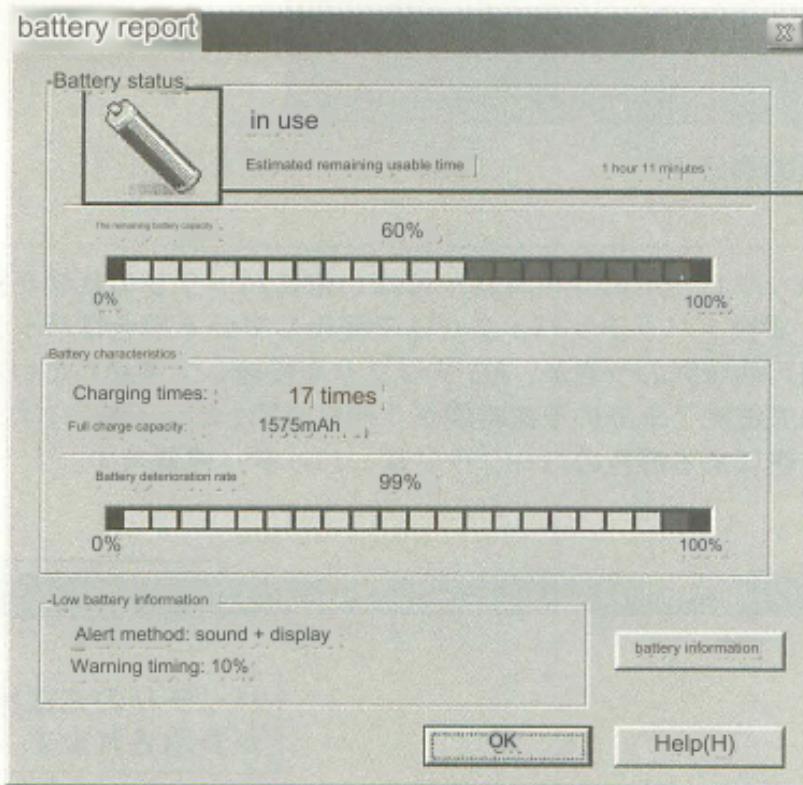
6. Click the User Configuration Mode icon in the mobile cockpit.

- Monitor the battery pack status

In the mobile cockpit, you can check the status of the battery pack, including its status and remaining capacity, the number of charging cycles to date, and the rate of battery deterioration. As a guide, when the battery deterioration rate drops to 30% or less, it is time to replace the battery pack. Please replace it with a new one (: "List of optional accessories").

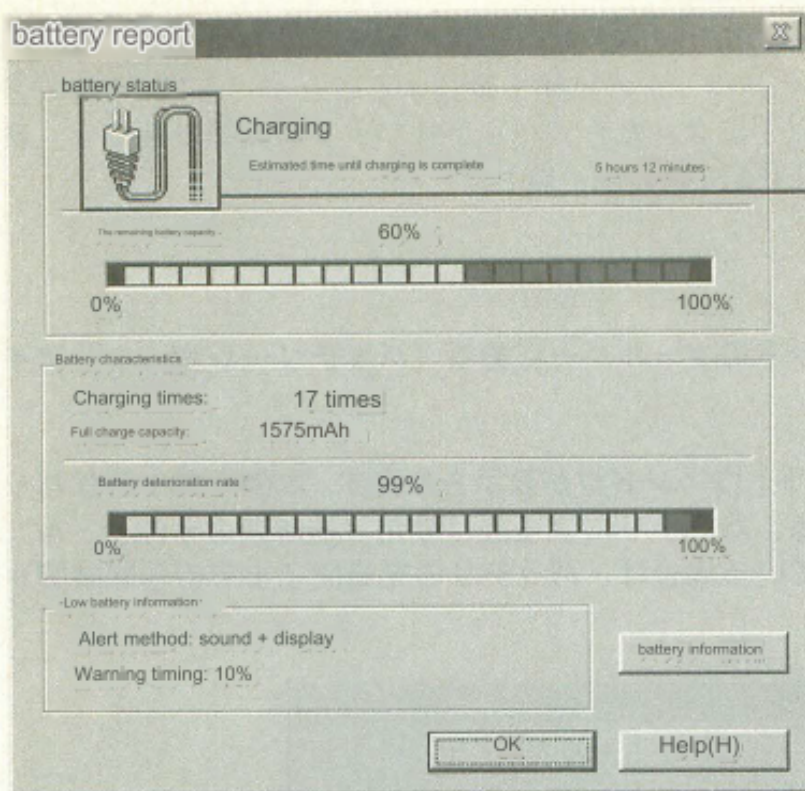
procedure

1. Click the Battery Report icon on the Mobile Cockpit toolbar.
2. The Battery Report window will appear. If you are using the unit with only the battery pack, the estimated remaining battery usage time will be displayed, and if you are using the unit with the AC adapter connected, the estimated time until the battery is fully charged will be displayed.



Battery status will be displayed

Display example when battery is in use

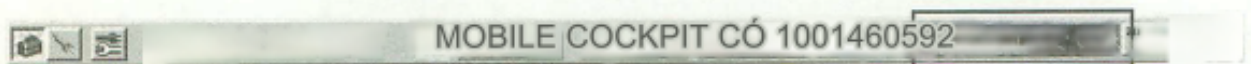


Indicates use with AC adapter

Example of display when using AC adapter



The Mobile Cockpit toolbar always displays the battery status. If you are using the device with only the battery pack, the remaining battery usage time is predicted, and if you are using the device with the AC adapter connected, the estimated time until the battery is fully charged is displayed as "Remaining time". will be displayed as The green bar graph below the time display indicates the remaining battery power.



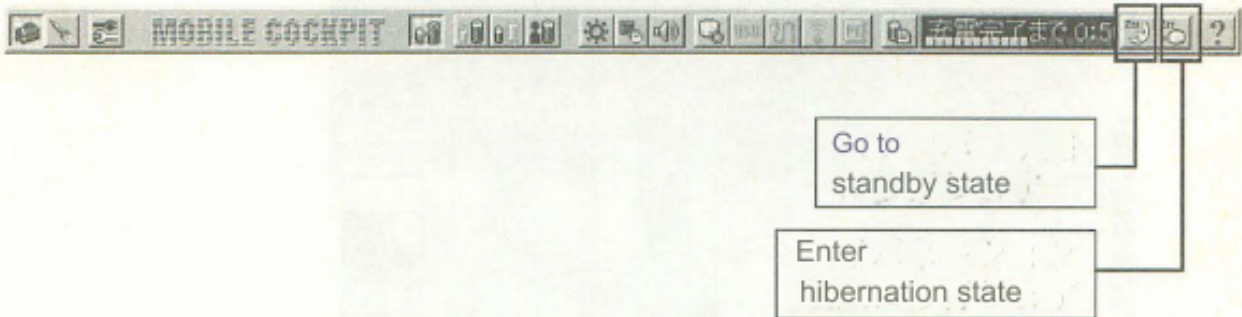
Displays battery charging status



The values displayed on the "Battery Report" tool etc. may change depending on the usage environment. Please use this as a guideline when using.

● Enter standby or hibernation state

The mobile cockpit has a [Standby] icon (⏻) and a [Hibernation] icon (⏻) that allow you to enter standby or hibernation state. By clicking these icons, you can immediately change the current status to standby or hibernation.



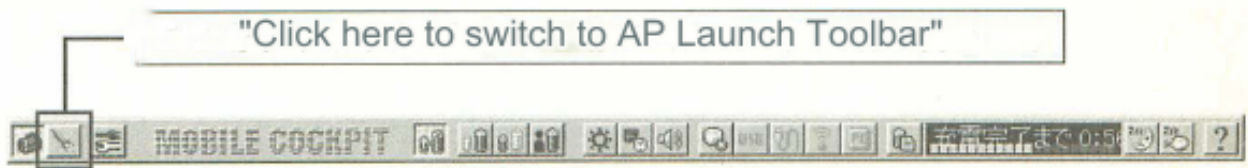
● Register software to [AP startup toolbar]

By registering software in the Mobile Cockpit's [AP launch toolbar], you can easily launch the software by simply clicking the registered icon.

□ Register software from the [Start] menu

procedure

1. Click the Toolbar Switcher icon in the Mobile Cockpit to switch the toolbar from System Management Toolbar to AP Launch Toolbar.



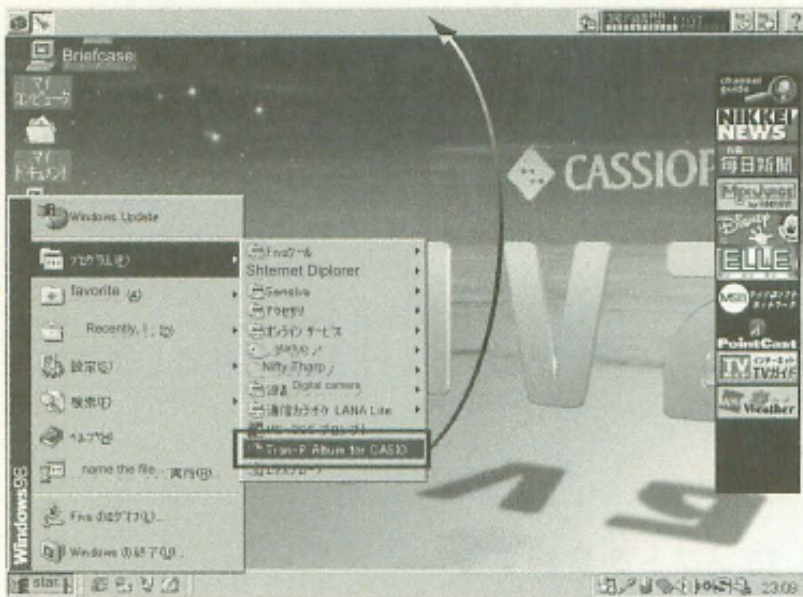
h

AP launch toolbar



2. Click the Windows 98 [Start] button, select the software you want to register from [Programs], and drag and drop it to [AP Startup Toolbar].

Drag and drop the software you want to register.



3. Confirm that the icon of the software you want to register is displayed on the [AP startup toolbar].

The registered software icon will be added to the toolbar.

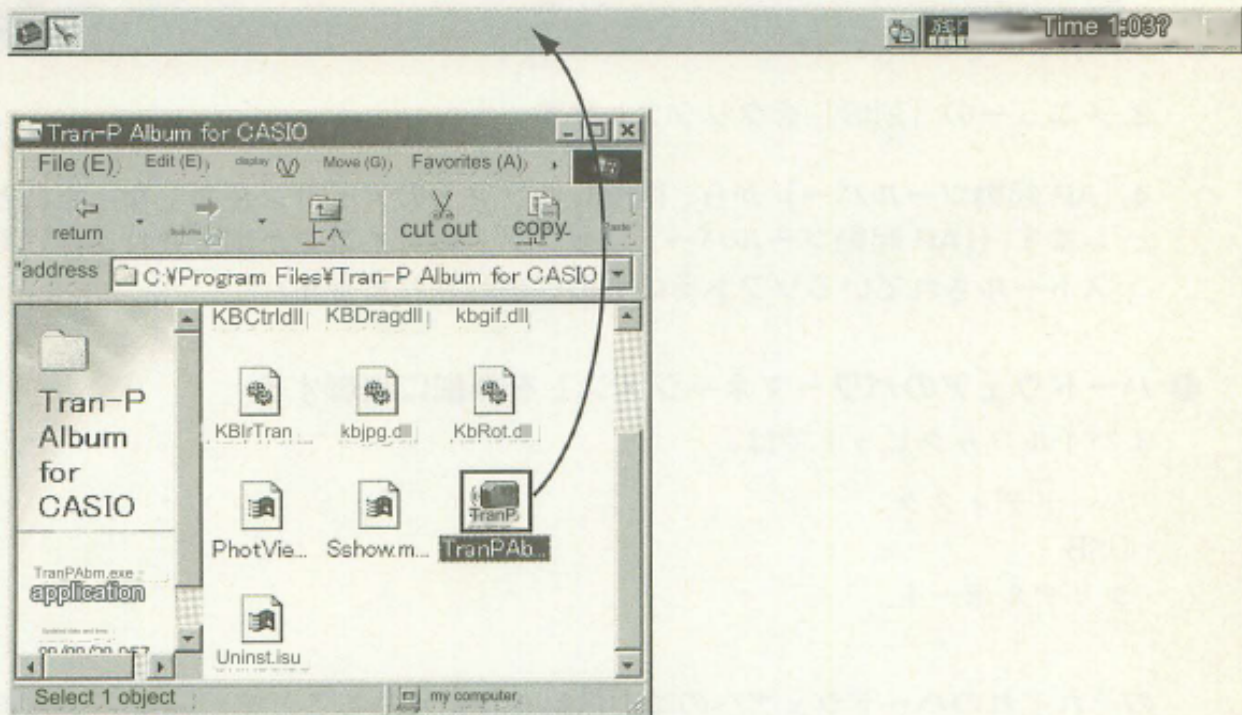


■ Register the software from [My Computer]

procedure

1. Click the Toolbar Switcher icon in the Mobile Cockpit to switch the toolbar from System Management Toolbar to AP Launch Toolbar.
2. Drag and drop the software executable file from [My Computer] in Windows 98 to [AP Launch Toolbar].

Drag and drop the software onto the toolbar



3. Confirm that the icon of the software you want to register is displayed on the [AP startup toolbar].

■ Start the registered software

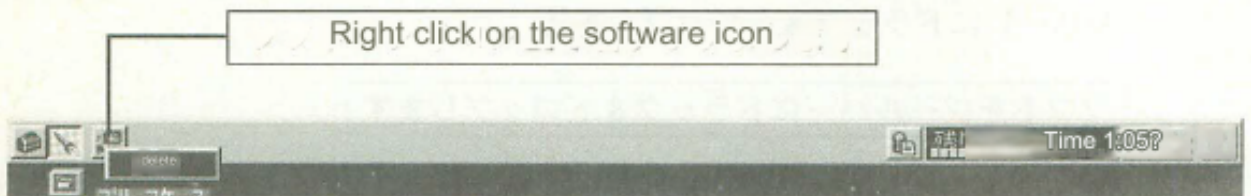
procedure

1. Click the Toolbar Switcher icon in the Mobile Cockpit to switch the toolbar from System Management Toolbar to AP Launch Toolbar.
2. Click the icon of the software you want to start.
3. The software will start.

## ■ Delete registered icons

procedure

1. Click the Toolbar Switcher icon in the Mobile Cockpit to switch the toolbar from System Management Toolbar to AP Launch Toolbar.
2. Right-click the control button on the icon of the software you want to delete.



3. Click Delete on the menu.
4. Confirm that the icon of the software you removed has disappeared from the [AP Startup Toolbar]. (The software icon is only deleted from the [AP Startup Toolbar]; the installed software itself is not deleted.)

## • Detailed control over hardware power management

In the mobile cockpit,

- hard disk
- USB
- Serial port

You can extend the battery usage time by cutting off power to each piece of hardware or changing the speed of the CPU.



Clicking on each hardware icon will stop powering it. If you want to supply power again, click the icon again. However, power supply to the hard disk will be automatically resumed when it is accessed.

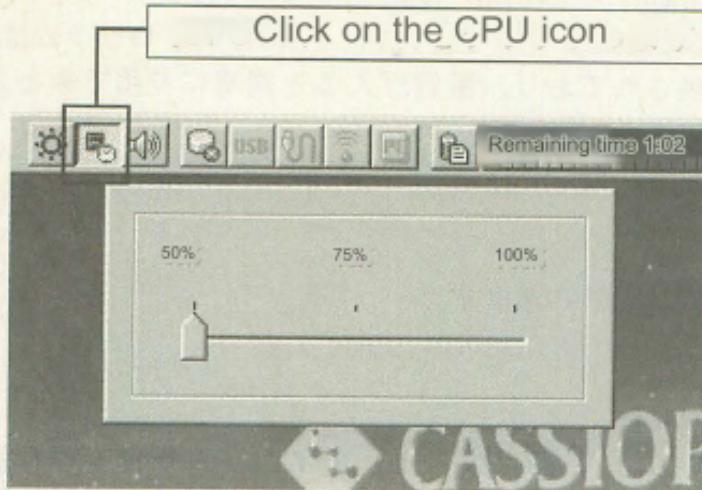


If power is removed from the hardware, the respective hardware will stop functioning. If you have peripheral devices connected via USB or serial, make sure they are not in use before turning off the power supply.

## Change CPU speed

procedure

1. Click the CPU icon in the mobile cockpit.



2. Drag the screen knob to 50% or 75%. The CPU speed will be set to 50% or 75% of normal speed. By slowing down the CPU speed, you can extend the battery life.

## ● View BIOS settings

Mobile Cockpit allows you to view BIOS settings and configure some functions.

The BIOS is set at the factory so that the machine operates in optimal conditions. Do not change the settings unless there is a particular need.



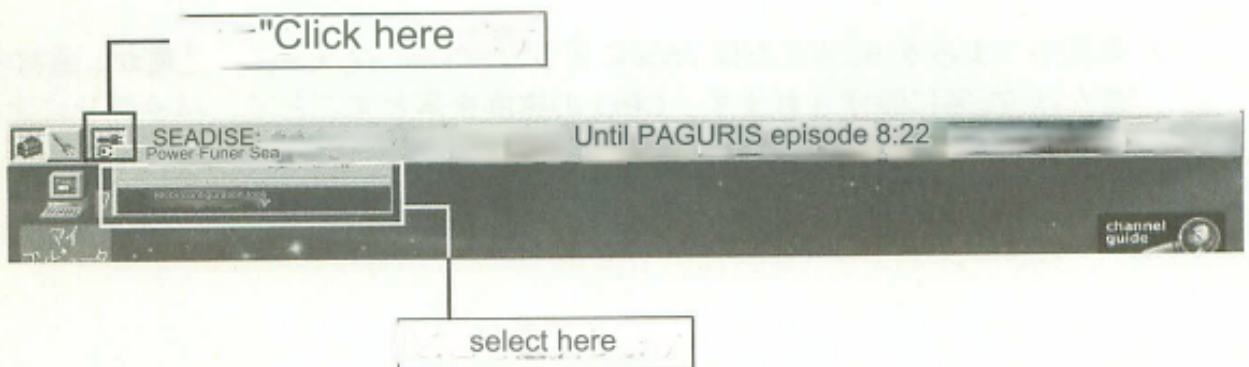
BIOS is an abbreviation for Basic Input/Output System, which is software that implements the basic functions of hardware. The BIOS program is provided as hardware and is available as soon as the power is turned on.

### ■ View BIOS settings

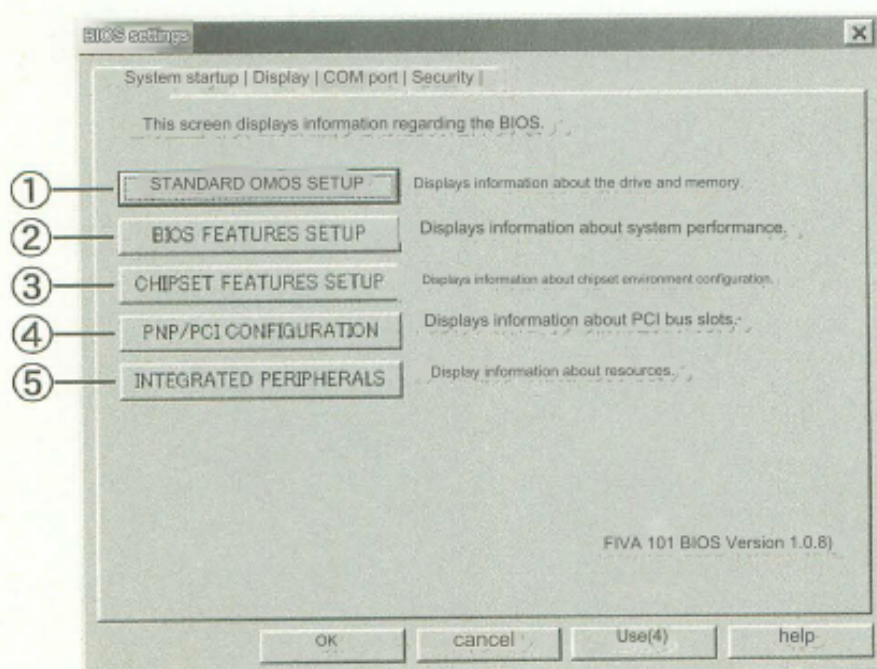
You can check the status of BIOS settings.

procedure

1. Click the Tools icon on the Mobile Cockpit toolbar.



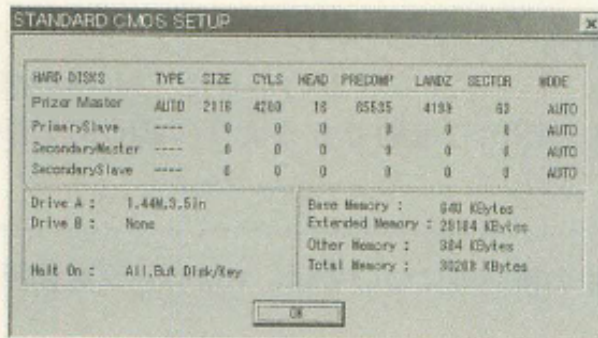
2. Select and click BIOS Configuration Tool from the menu.



3. The following screens are displayed when you click each button on the System tab in the BIOS Settings window.

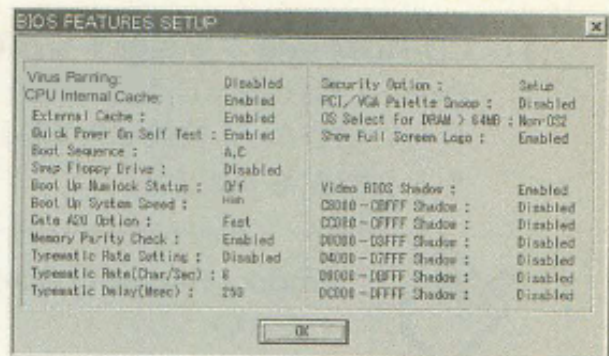
### ① STANDARD CMOS SETUP

Information about hard disk and memory



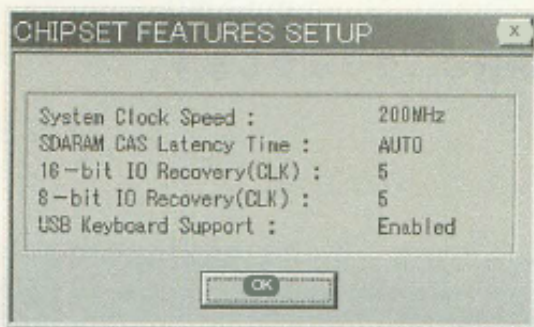
### ② BIOS FEATURES SETUP

Information about basic features of BIOS



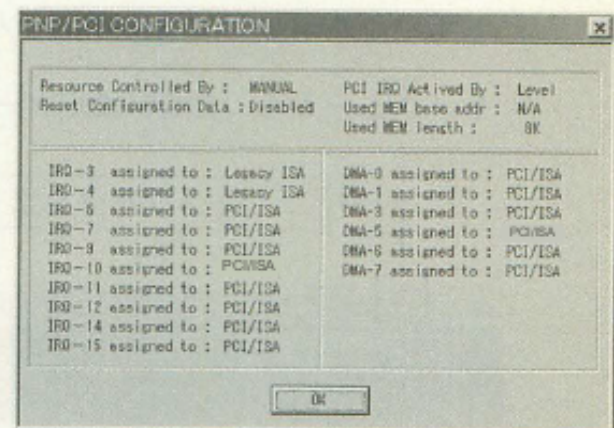
### ③ CHIPSET FEATURES SETUP

Information about the basic features of the chipset



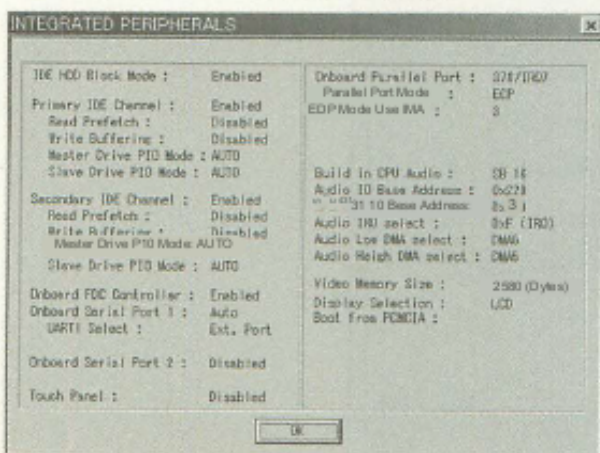
### ④ PNP/PCI CONFIGURATION

Information regarding PCI bus



### ⑤ INTEGRATED PERIPHERALS

Information about internal devices such as hard disk controllers



## Change BIOS settings

You can change some BIOS settings. Settings here are required when booting from an optional CD-ROM device or when enabling the serial port of a port replicator.

### 1) Configure settings to boot from CD-ROM device

If you want to use the Product Recovery CD-ROM to return the contents of your hard disk to factory defaults, you will need to change the BIOS settings so that you can boot from the connected CD-ROM device.

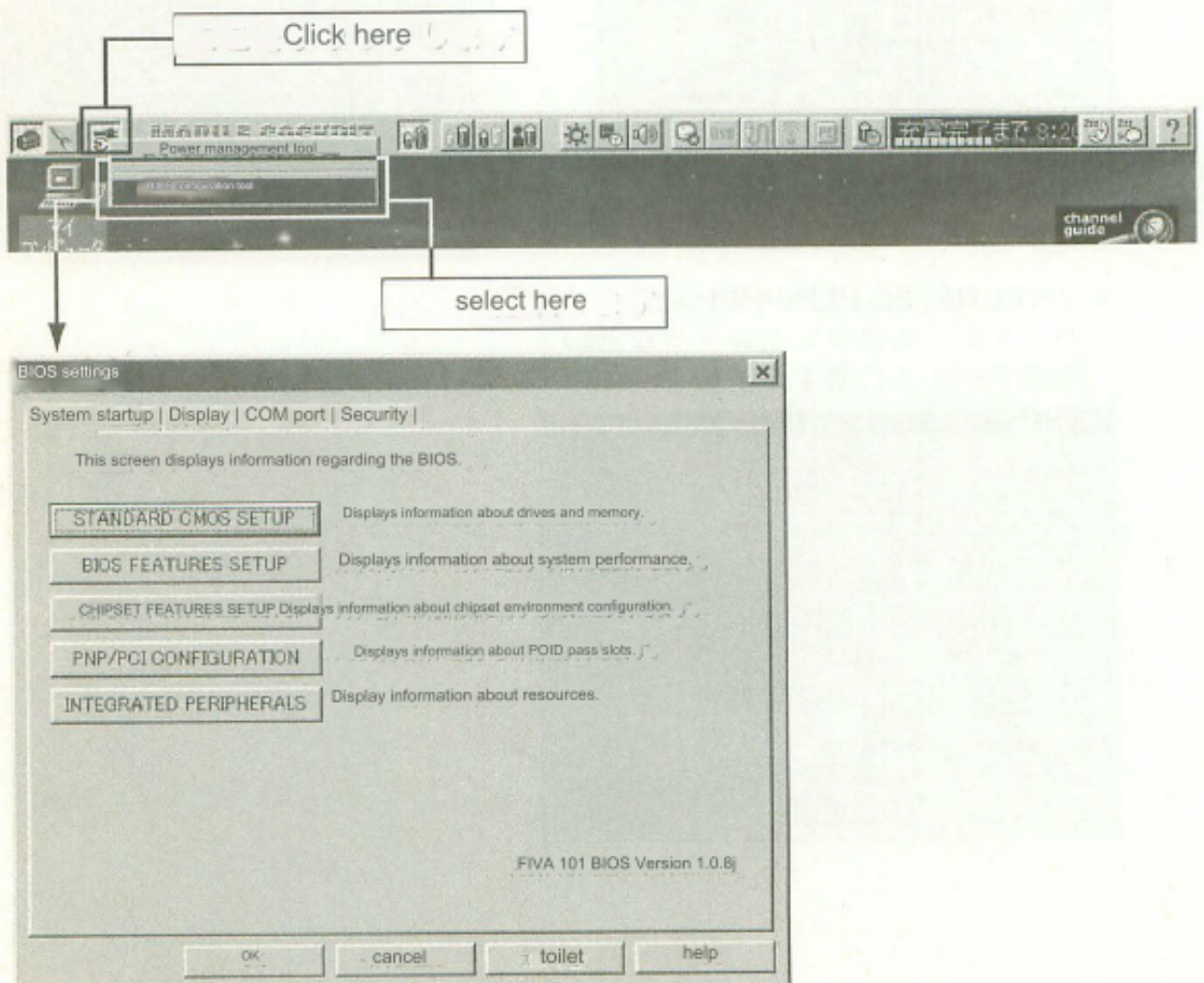


See page 109 for instructions on using the Product Recovery CD-ROM.

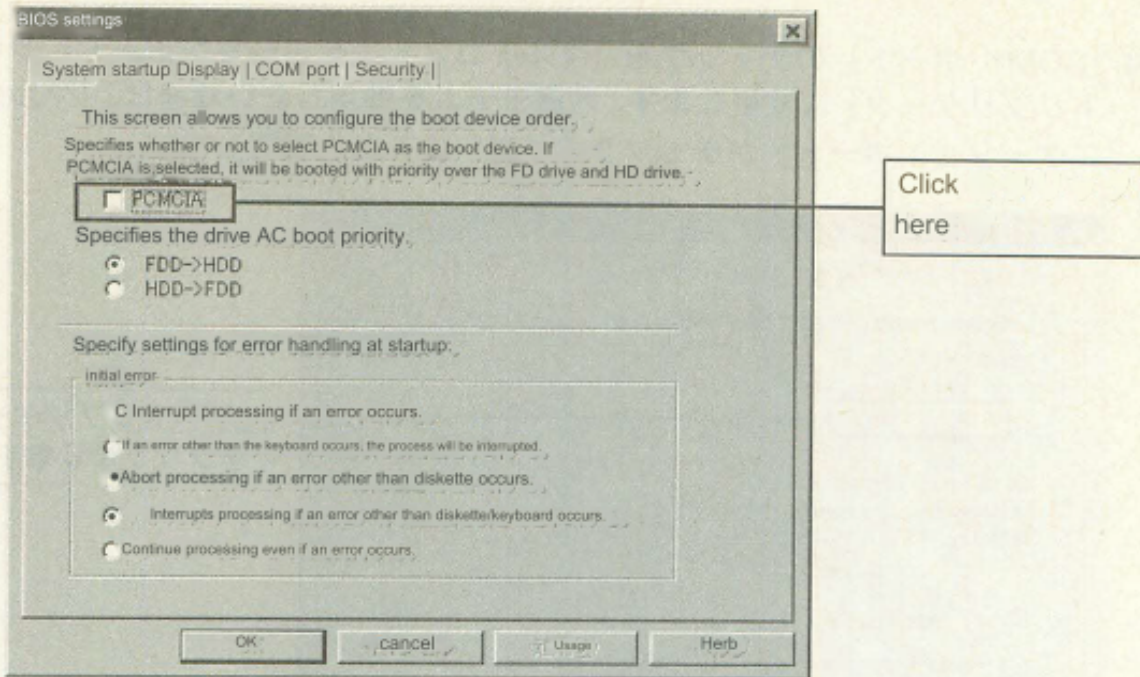
procedure

1. Click the Tools icon on the Mobile Cockpit toolbar.

2. Select and click BIOS Configuration Tool from the menu.



### 3. Click the Boot tab in the BIOS Settings window.



### 4. Click to the left of [PCMCIA] to check it.

### 5. Click the OK button!

Upon reboot, the computer will boot from the CD-ROM device.

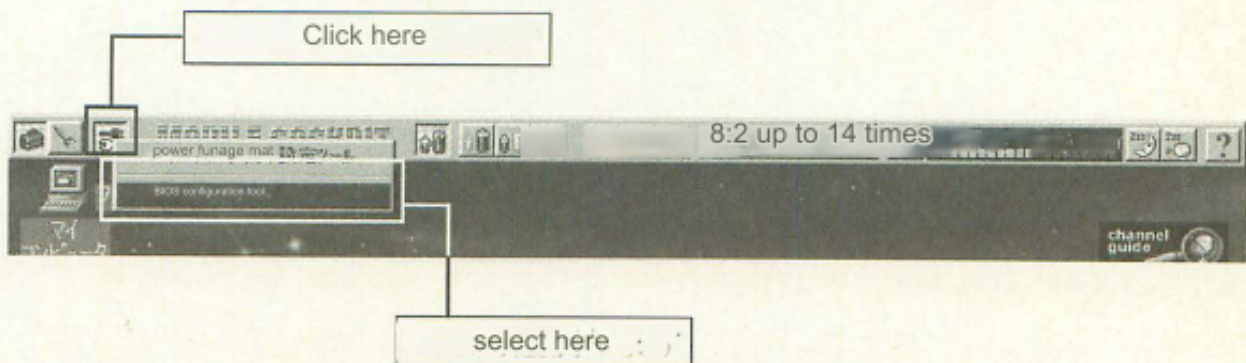
## 2) Change COM port settings

For models that come standard with a modem, if you install a port replicator (sold separately) and connect a peripheral device to the serial port, you must set COM port 1, which is assigned to the modem (multi-communications port) at the factory, to the port replicator. there is.

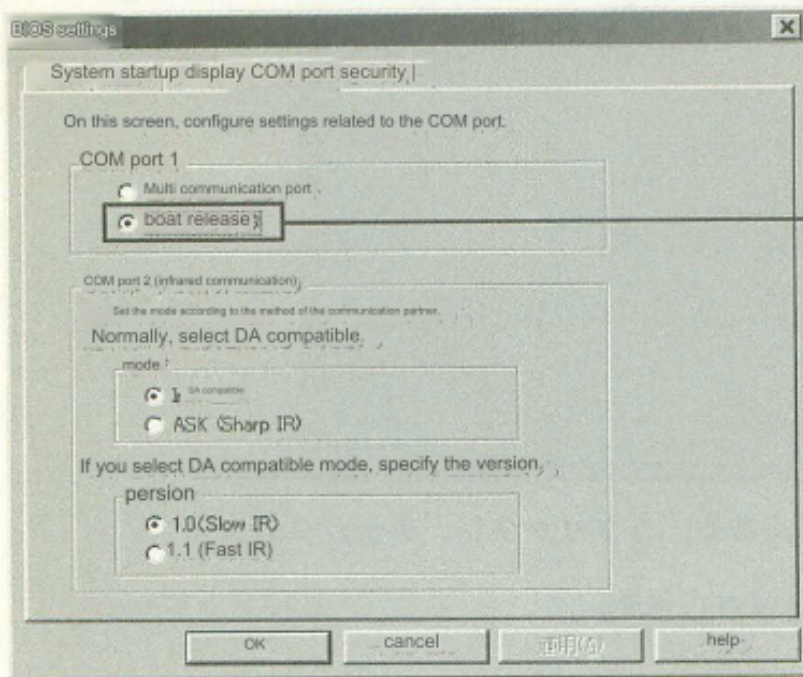
procedure

### 1. Click the Tools icon on the Mobile Cockpit toolbar.

### 2. Select and click BIOS Configuration Tool from the menu.



3. Click the COM Ports tab in the BIOS Settings window.
4. Change the checkbox for [COM1 Port] from [Multi-Communication Port] to [Port Replicator]. If you want to use the internal modem, make sure Multi Communication Port is checked.



Click Port Replicator

5. Click the OK button.

### 3) Set password

You can register a password to prevent others from using the machine without your permission. If you register a password, you will be required to enter the password when you turn on the power or return to the Windows 98 screen from hibernation. The machine will not start up until the correct password is entered.

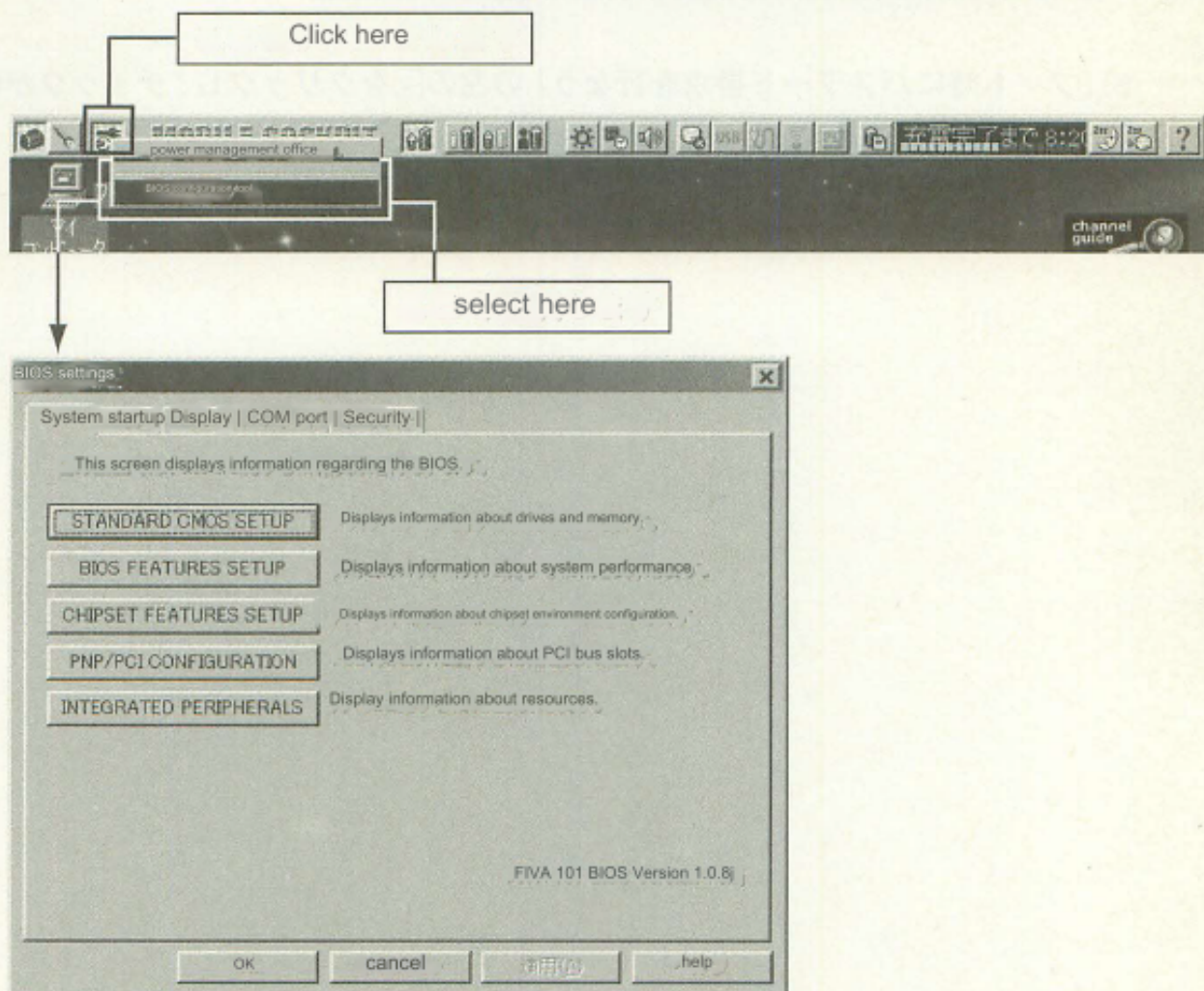


There is no need to set a password for normal use. If you forget the password after setting it, you will not be able to start the unit. When setting, please be careful when entering your password.

procedure

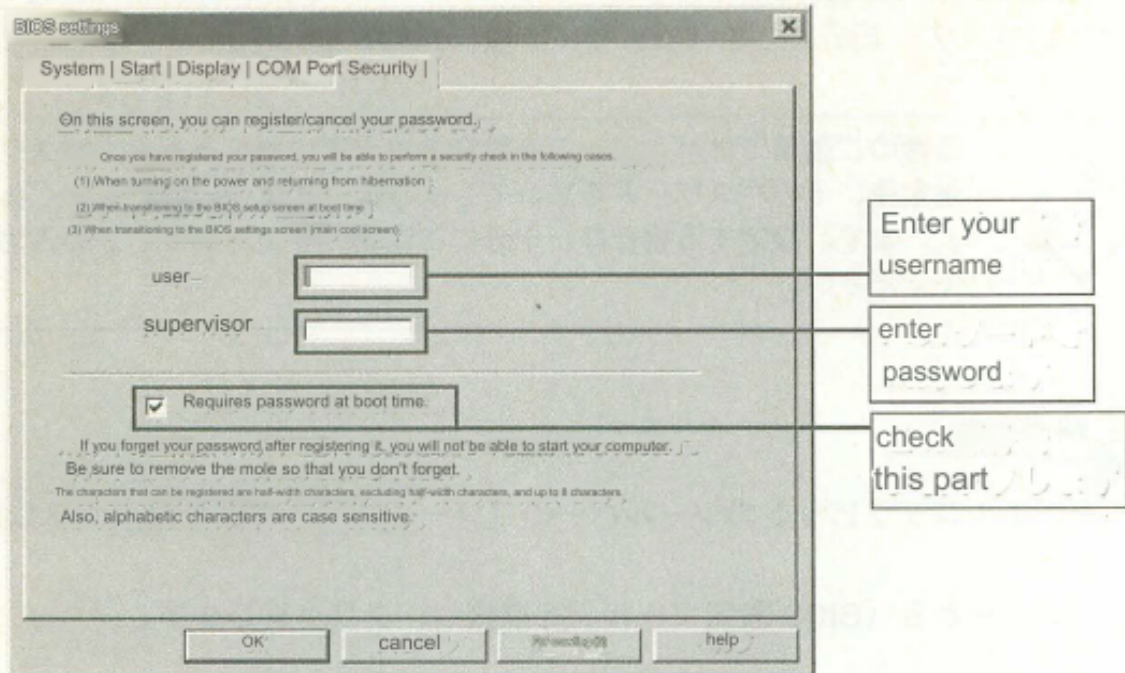
1. Click the Tools icon on the Mobile Cockpit toolbar.

2. Select and click BIOS Configuration Tool from the menu.



3. Click the Security tab in the BIOS Settings window.

4. Enter your Username and Password.



5. Click to the left of [Require password at boot time] and make sure it is checked.

## Use gesture function

This unit comes with a utility called "Sensiva Pro" installed as standard that allows you to start software and control various functions by drawing pre-registered symbols (called "symbols") on the thumb pad (called "gestures"). It has been. Even in its initial state, Sensiva Pro is registered with symbols that correspond to the startup and operation of several software programs, but you can register symbols yourself to launch your favorite software, or customize the software. You can make it possible to perform the following operations:



Registered symbols can be checked by clicking the [Sensiva Pro] icon in the indicator area to display the [Sensiva Pro] window.

The main symbols are shown in the table below.

symbol	function	symbol	function	symbol	function
	cut out		open		search
	copy		overwrite save		scroll up
	pasting		printing		scroll down
	delete		end		desktop
	undo		help		Famous
	Create New		Sensiva window		Sensiva Website

- Operate the software using gesture functions

First of all, we will explain the basic usage of Sensiva Pro using the symbols registered in the initial state (downward scroll operation for the software).

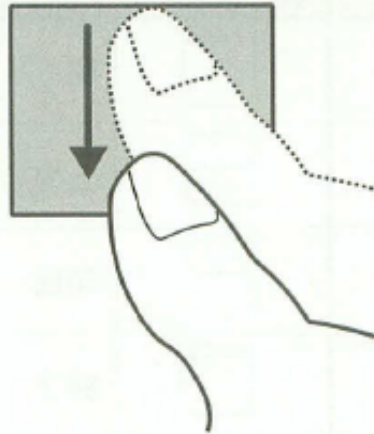
procedure

1. Activate the software you want to operate.

Active software is normally displayed at the forefront of the desktop and ready to accept key input. If the software you want to operate is not active, make its window active.

2. While holding down the right control button, trace the shape of the symbol on the thumb pad with your finger (this operation is called a gesture).

Symbol for "scroll down" operation



3. Release the right button when you have finished drawing the symbol.

4. Sensiva Pro will recognize the symbol you drew and perform the corresponding function. In this example (scroll down), the displayed contents of the window will be scrolled upwards (towards the back of the text).

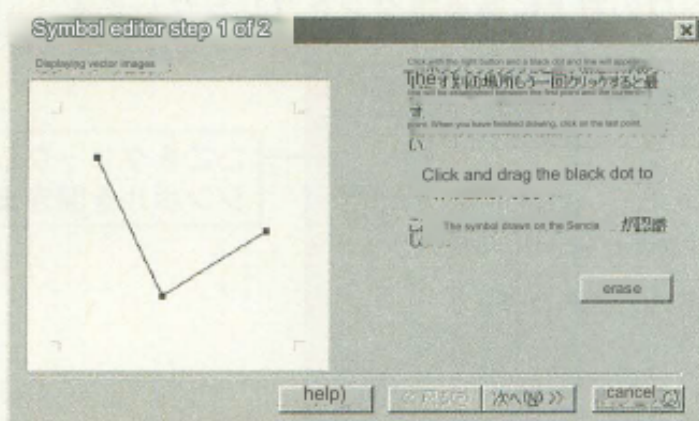
## ● Register a symbol

In addition to the symbols registered by default, you can add your own symbols.

### procedure

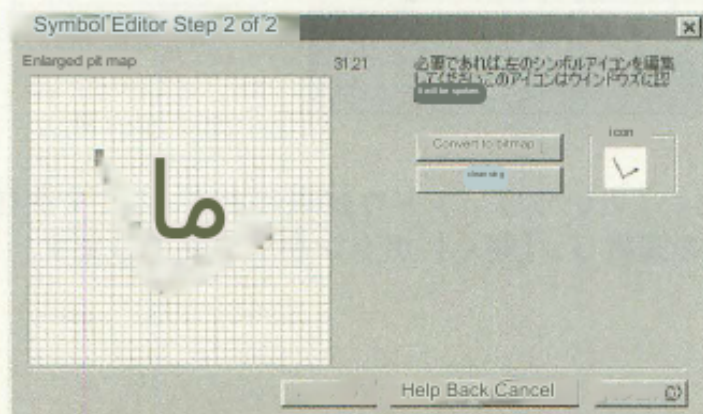
1. Click the Sensiva Pro icon in the indicator area to open the Sensiva Pro window, display the window.
2. From the File menu in the Sensiva Pro window, select Symbol and click New.
3. Define the symbol.

The editor for creating a symbol will start, so draw the symbol here. Click the right button and a black dot and line will appear. Right-click again at a different location to confirm the line with the first point. Continue this operation to draw the symbol you want to register. When you have finished drawing, right-click the last point again and click the [Next >] button.



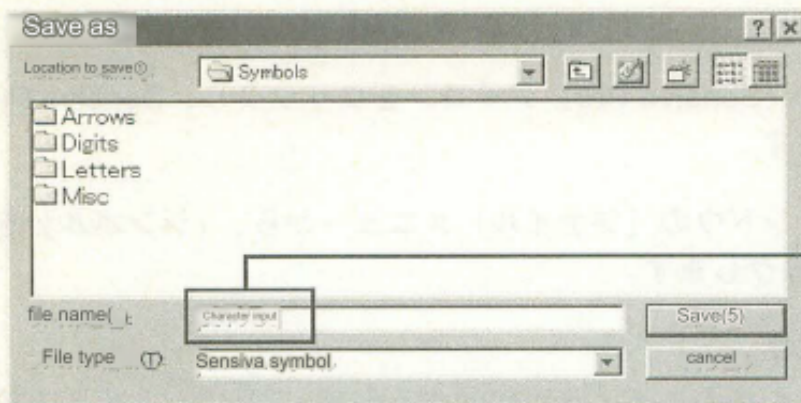
4. Check the symbols and correct them if necessary.

A bitmap of the symbol drawn in step 3 will be automatically created. This bitmap becomes a symbol icon and is displayed within the Sensiva Pro window. If you need to edit the bitmap, you can do so within this window under Enlarge Bitmap. Adding an arrow makes it easier to see which direction to draw the symbol. When you have finished drawing the pit map, click the [Finish] button.



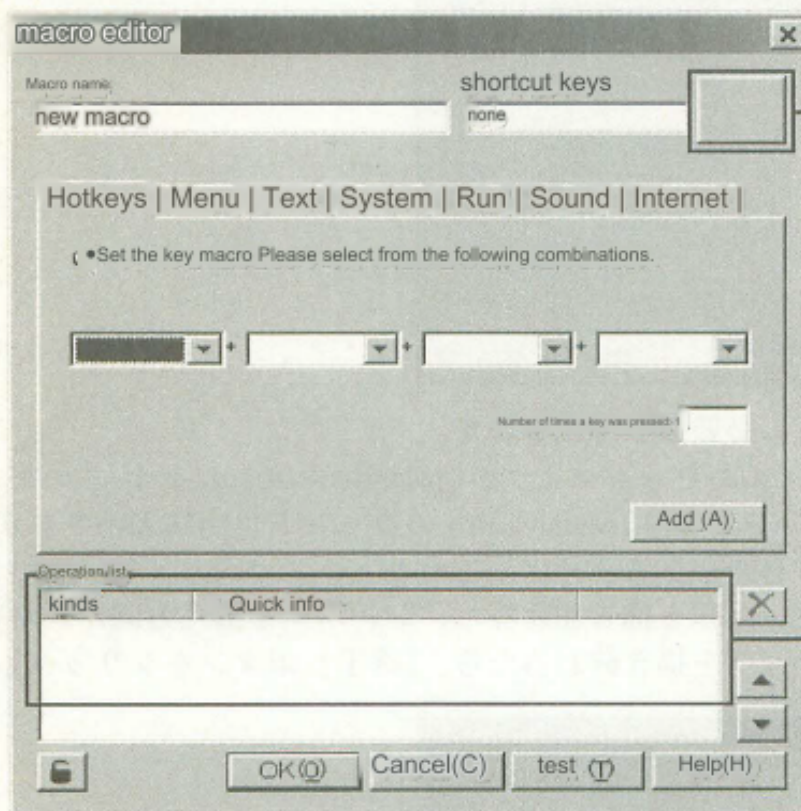
5. Save the symbol.

When you click the [Finish] button in step 4, the "Save As" window will appear. Enter the name of the symbol (a name that indicates the symbol's function) in [File Name], and click the [Save] button. Masu.



6. From the File menu in the Sensiva Pro window, select Macro and click New.

7. Click the button at the top right of the Macro Editor window.



8. The Select Symbol window will appear. Here, select the file name of the symbol you created earlier and click the [Open] button.

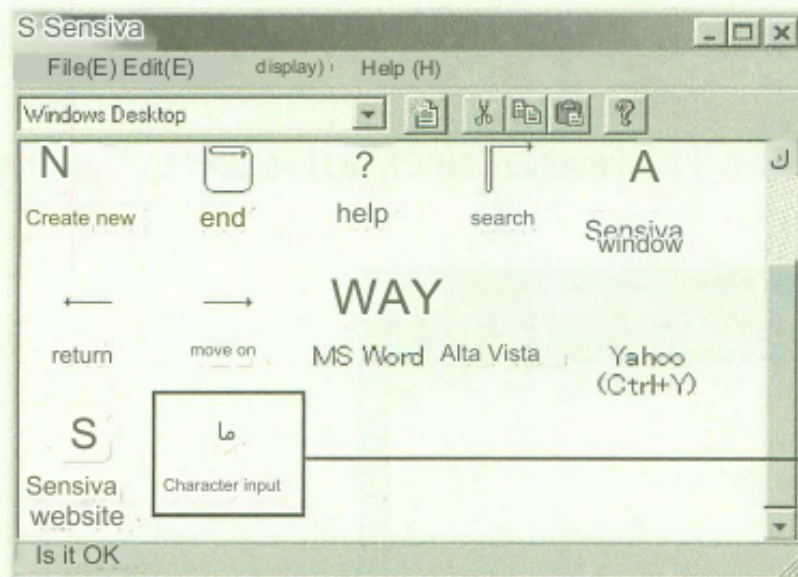
9. Set the functions to be executed with the macro. The functions that can be set are shown in the table below.

Tab name	Setting details
hotkey	Performs the same operation as if the input of the set key was performed.
menu	Executes each menu item in the software.
text	Enter text.
system	Perform an action provided by the system, such as restarting the system.
execution	Start a program or open a document file.
sound	Play a saved sound file.
internet	Access a specific address on the Internet or send an email.

By setting these functions and pressing the [Add] button, the functions will be assigned to the symbol. By registering multiple functions, you can also register an operation in which a series of functions are executed in sequence in a symbol. For example, you can use a single symbol to start Notepad, enter a specific string of characters, and save it to a file. You can test whether such a sequence of operations works correctly by clicking the Test button.

10. When you have finished setting the functions, click the [OK] button.

11. Check whether the symbol is registered in the application set.



## Exchanging data with a digital camera

This unit is equipped with an infrared communication port as standard, and comes with IrTran-P compatible software "Tran-P Album for CASIO" pre-installed, which allows you to easily exchange data with a digital camera.

Here, we will explain data exchange between this unit and Casio's QV-7000SX as an example. Compatible with IrDA1.0/1.1, you can send and receive image data to devices compatible with the infrared communication standard IrTran-P without using a connection cable.

# TranP

IrTran-P was jointly developed by Nippon Telegraph and Telephone Corporation, Sony Corporation, Sharp Corporation, Okaya Systemware Co., Ltd., and Casio Computer Co., Ltd. to transfer still images from digital cameras using infrared rays. It is a communication standard for (As of January 1998)

### ● Extracting data from the QV-7000SX

You can import images taken with the QV7000SX to this unit and save them as an album, or print them using a color printer. You can also import panoramas and movies you have taken (movies are converted into animated GIFs).

#### procedure

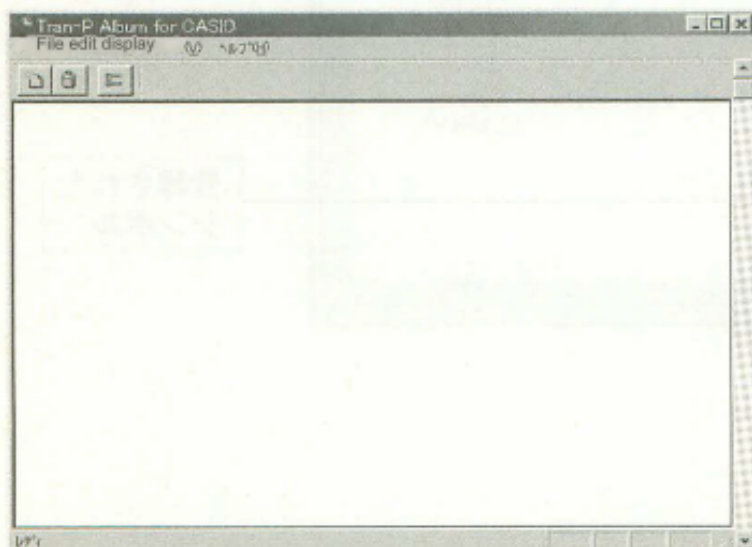
1. Enable the infrared communication port of this machine.



See page 52 for information on configuring the infrared communication port.

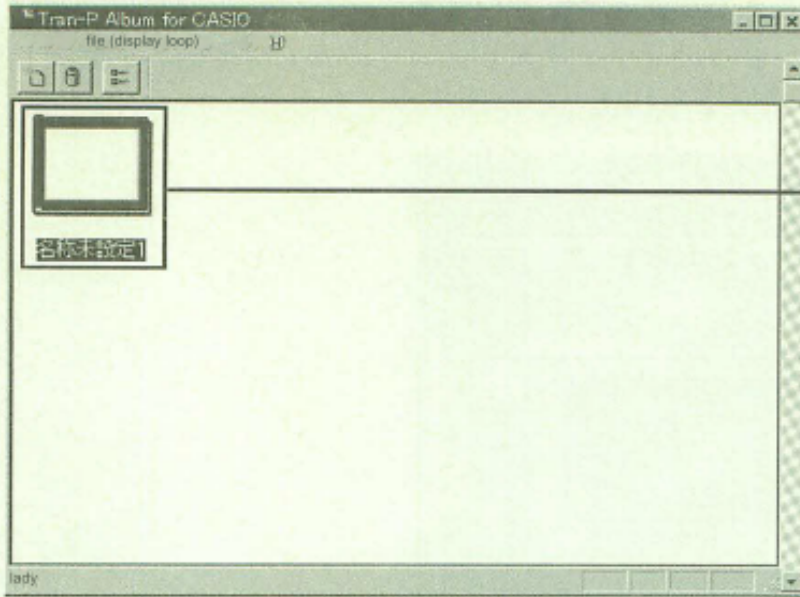
2. Launch the software.

Select [Tran-P Album for CASIO] from the [Start] menu and run Tran-P Album for CASIO.



3. Create an album.

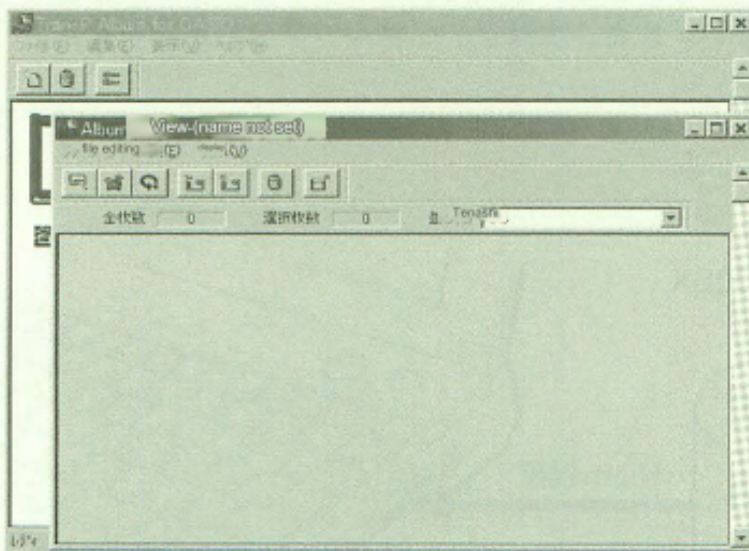
Select [Create New Album] from the [File] menu. A large folder titled [Unnamed 1] will appear.



You can freely change the album title. Right-click on the title, select [Album Properties] from the menu, and change the [Title Name] in the dialog box that appears.

4. Open the album.

Double-click the folder created in step 3. The Album View window will appear.

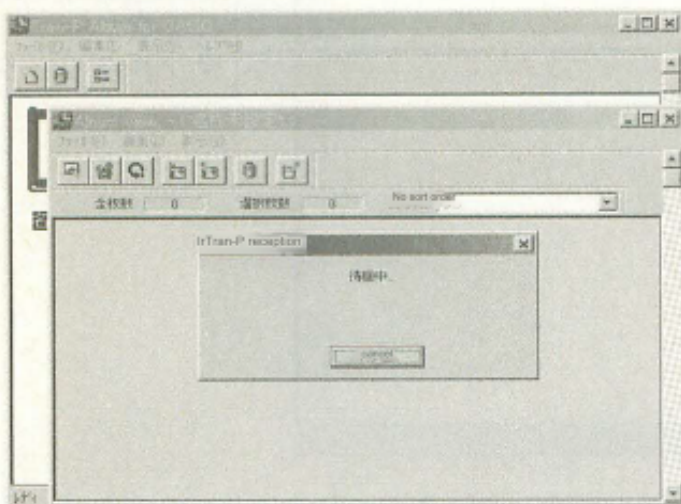


5. Set the digital camera side.

Turn on the QV-7000SX and prepare for data transmission. For details on how to operate the QV-7000SX, please refer to the QV-7000SX manual.

6. Prepare to receive Tran-P Album for CASIO.

Select Receive from the File menu in the Album View window. It will be waiting for reception from the digital camera.

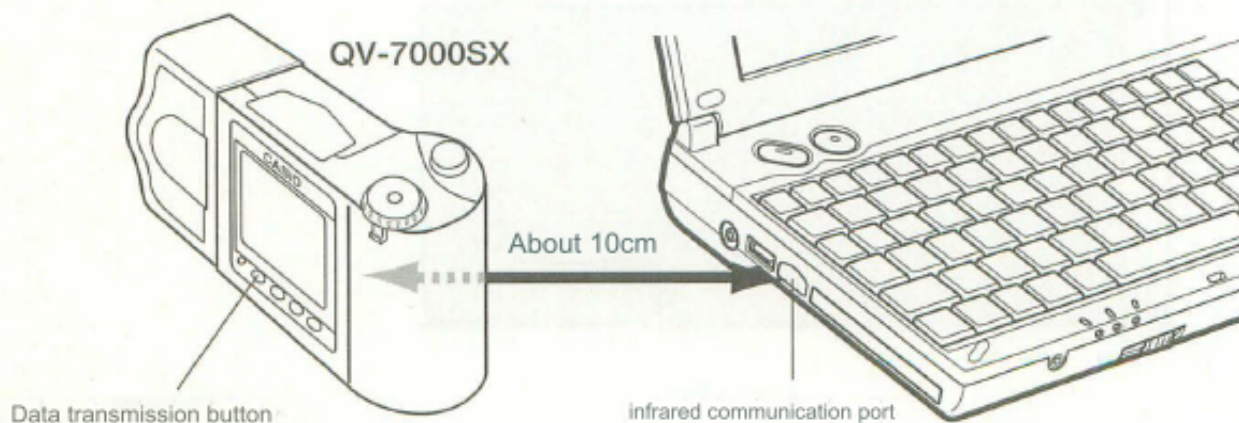


7. Send data from your digital camera.

Bring the QV-7000SX close to the left side of this unit (approximately 10 cm. If it is too close, you may not be able to send or receive data) and press the data transmission button on the camera side. If the data is successfully received, Tran-P Album for CASIO will display a dialog box indicating that the data has been received.



If the data cannot be received correctly, a dialog box that says "Failed" will appear. Check that the infrared communication port of this device is in reception mode. Also, change the distance between this unit and the digital camera and try again.



By performing the above steps, images taken with a digital camera can be transferred to this unit. Using the same procedure, you can receive movies and panoramas shot with the QV-7000SX.

Since computers are used in combination with various applications and peripheral devices, unexpected problems may occur. There are several points to keep in mind to successfully resolve these problems.

- **Point 1: Remain calm and deal with the problem.**

Avoid turning off the power too quickly and avoid clicking or touching the keyboard too many times.

It may just be that your computer or application software is slow to respond.

- **Point 2: If a message is displayed, write it down.**

If numbers, alphanumeric characters/characters, etc. are output on the screen or to the printer, this may provide a hint to the solution. Make sure to write it down on paper.

- **Point 3: Think about what the cause is.**

If you have something that can help you identify the cause, whether it's the main unit, a peripheral device, or an application software, or whether it always occurs when you perform the same operation, the problem will be resolved more quickly.

- **Point 4: View other attached "instructions" and help**

It may explain something that will help you solve your problem. Please take a look at the help that comes with the manual or software.

\*Please fill out the table below before making your inquiry. Very useful for problem solving.

configuration of your computer		
Main body	Model name	
	Serial number (written on the bottom of the main unit)	
	Memory capacity (MB)	
	Hard disk capacity (GB)	
	Free hard disk space (MB)	
	Whether or not to use a battery pack	
	UNIT ID number	
Peripheral equipment	External connection display	
	Connected printer	
	PC card used	
	Other connected peripherals	
Wear	OS (Windows) version	
	All software that was running at the time of the problem	
remarks		

## Cassiopeia Fiber Support Center

- For questions about how to use your computer or technical matters regarding the product, please contact the Cassiopeia Fiber Support Center below. For other inquiries, please contact the developer or retailer.

(Telephone number) 03-5334-4956

(Business hours) 9:00 a.m. to 12:00 p.m., 1:00 p.m. to 5:00 p.m. (excluding Saturdays, Sundays, and public holidays)

- For hardware after-sales service, please contact the Casio service center below.

Please match.

- "When using user support and other services, you will need the UNIT ID STICKER that is included with this product.

### casio service center

Hokkaido	Hokuriku
Sapporo 011-842-1231 1-19-5 Kikusui Gojo, Shiroishi-ku, Sapporo	Kanazawa 076-224-0061 52 Minamishinbocho, Kanazawa City
Tohoku	Tokai
Sendai 022-256-8822 5-1-35 Kozuoka, Miyagino-ku, Sendai City	Shizuoka 054-281-8085 16-23 Tsushimacho, Shizuoka City
Morioka 0196-46-3393 2-3-6 Kamido, Morioka City	Nagoya 052-936-4601 3-22-5 Aoi, Higashi-ku, Nagoya
Kanto	Kinki
Utsunomiya 028-623-5588 3009-8 Tomatsuricho, Utsunomiya City	Kyoto 075-351-1161 Osaka 06-352-7111, Horikawa Higashiori Ru, Gojo-dori, Shimogyo-ku, Kyoto City
Mito 029-228-3155 3-10-17 Jonan, Mito City	6-3-16 Tenjinbashi, Kita-ku, Osaka Kobe 078-392-2145 119 Ito-cho, Chuo-ku, Kobe
Takasaki 0273-22-9555 67-1 Shinmachi, Takasaki City	China
Saitama 048-666-8567 4-83 Taiseicho, Omiya City	Okayama ☎086-244-3404 9-1 Nishifurumatsu Nishimachi, Okayama City
Chiba 043-243-1087 13-4 Shinmei-cho, Chuo-ku, Chiba City	Hiroshima 082-230-5900 2-14-10 Oshiba, Nishi-ku, Hiroshima City
Shinjuku 03-3227-6751 7-5-25 Nishi-Shinjuku, Shinjuku-ku	Shikoku
Akihabara 03-5820-9871 2-15 Kanda Sakuma-cho, Chiyoda-ku	Takamatsu 087-837-7641 2-21 Imazato-cho, Takamatsu City
Tama 042-523-3990 1-22-17 Akabono-cho, Tachikawa City	Kyushu
Yokohama 045-211-0811 3-26 Minami-Nakadori, Naka-ku, Yokohama	Fukuoka ☎092-411-2939 2-16-23 Higashihie, Hakata-ku, Fukuoka
Shinetsu	Kumamoto 096-367-0614 1-38-7 Kengun, Kumamoto City
Shinetsu 025-287-1151 3-9-12 Bentenbashi Street, Niigata City	Kagoshima ☎099-256-3573 1-1-3 Korimoto, Kagoshima City

\*Address, phone number, etc. are subject to change. Please note.

Information about CASSIOPEIA FIVA can be found on the CASSIOPEIA homepage (URL <http://www.casio.co.jp/mpc>), so please take advantage of it.

- The power supply is incorrect.

situation	correspondence
<p>can not turn on</p> <p>PW-LED is flashing red</p> <p>The power turns on once, but then turns off immediately.</p> <p>Even if I press the power switch, it doesn't work at all</p>	<p>Connect the AC adapter.</p> <p>Install a charged battery pack (a warning message will be displayed and the power will turn off if the battery level is less than 10%).</p>
<p>The system does not start even after turning on the power. Turn on the machine in hibernation mode, but the system does not start</p>	<p>With the power on, press the reset switch on the back of the unit (note that in this case, data saved by the hibernation function will be lost).</p>
<p>I opened the display but it doesn't turn on.</p>	<p>After the HDD-LED turns off, turn off the power switch. Press to turn on the power.</p>
<p>Power goes off</p> <p>The machine performs hibernation process and turns off while in use.</p>	<p>Please leave it for a while and wait until the internal temperature cools down before using it (see below).</p> <p>Connect the AC adapter or install a charged battery pack. This situation occurs if you start it when the battery level is low.</p>
<p>Even after the battery is fully charged, the battery usage time has become shorter.</p>	<p>Launch the Mobile Cockpit Battery Report tool and check the Battery Deterioration Rate.</p> <p>As a guide, if this value is below 30%, it is time to replace the battery pack.</p>



When the internal temperature of this machine rises above a certain level, a danger prevention function is activated, first slowing down the CPU and controlling the temperature to prevent it from rising.

•Screen is strange

situation	correspondence
Nothing is displayed on the screen and the PW-LED does not light up.	Press the power switch to turn on the power.
Nothing is displayed on the screen and the display auto-stop function is activated.	<b>Press Shift (power saving features may erase the display screen).</b> (page 71)
When you forget your Windows 98 password	Log on with a new user name on the [Windows Logon] screen, or re-set up Windows 98.
When you forget the user password in BIOS settings	Please check your model and contact your retailer or nearby Casio service center.
It's hard to see the screen	Try changing the orientation of the device's display.
screen is dark	Adjust the screen brightness (Fn + F1 or F2 on your keyboard). If it remains dark even after adjusting, the display parts may have worn out after long-term use.  Please check your model and contact your retailer or nearby Casio service center.
nothing appears on the screen	Press Fn + F10 to change the display device to LCD (page 71).



When the internal temperature of this machine rises above a certain level, the danger prevention function is activated and first slows down the CPU speed. If you continue to use the device, it will automatically enter hibernation and stop automatically.

• Software is strange

situation	correspondence
Infrared communication is not possible	<p>Correctly configure the infrared port settings.</p> <ul style="list-style-type: none"> <li>- Make sure the communication speed of the communication destination and this unit are the same.</li> <li>• Between the infrared communication port remove obstacles.</li> </ul>
Data is not sent correctly using infrared communication.	<p>Set the communication speed of the communication destination and this unit to be the same.</p> <ul style="list-style-type: none"> <li>• Try changing the distance between you and the communication destination.</li> <li>• Move the device away from places exposed to direct sunlight or fluorescent light.</li> </ul>
No sound from the speaker	Remove the headphones from the headphone output terminal.
No sound is heard from the speakers even if I remove the headphones	Check the speaker volume by clicking the Volume icon in the mobile cockpit.
sound is delayed	Pause the sound playback and start it again.
The sound cuts out	<p>Click the CPU icon in the mobile cockpit and set CPU Speed to 100</p> <ul style="list-style-type: none"> <li>- Close other applications.</li> </ul>
Built-in modem cannot be used (MPC-101M32 only)	<ul style="list-style-type: none"> <li>- Change the BIOS settings and set the COM1 port to [Multi-Communication Port] (page 285).</li> <li>- Make sure the [Serial Port] icon in the Mobile Cockpit is enabled (page 80).</li> </ul>

•Peripheral devices are not working properly

situation	correspondence
PC card cannot be used	Please check if the PC card is set correctly.
I can't use serial mouse Mouse settings are not set to serial mouse	<ul style="list-style-type: none"> <li>• Reconnect the port replicator and serial mouse and turn on the power to the main unit.</li> <li>• Click the [Hardware] icon in the [Control Panel] to perform automatic hardware detection.</li> </ul>
Serial port cannot be used Serial port is powered off	<ul style="list-style-type: none"> <li>- Change the Mobile Cockpit's [BIOS settings] and set COM port 1 to [Port Replicator].</li> </ul> Please connect the AC adapter and turn off power management.
Floppy disk device cannot be used The system does not restart even if you insert the floppy disk for your system and press Ctrl + Alt + Del. The system does not restart even if you press the reset switch and perform the above operations again.	The floppy disk device may be malfunctioning. Please check your model and contact your retailer or nearby Casio service center.
Floppy disk device cannot be used Floppy disk device access run can't disappear	When processing large amounts of data, Wait until the LED goes out.
Floppy disk device cannot be used System boots from floppy disk do not	Mobile Cockpit [BIOS Settings] Select [FDD HDD] from [Start].
The connected USB peripheral device does not work	Mobile cockpit [USB port] Make sure the icon is enabled Please, (page 180).


•Cannot enter characters

situation	correspondence
Character lock is not in the desired state	Use Shift + CapsLock to achieve desired state.
Pressing Alt + Half/Full does not change to Kanji mode	Incorporate a Japanese input system.
No matter what key I press, it doesn't respond.	Power off and restart.
Does not respond even after turning the power back on	Press Ctrl+Alt+Del.
Pressing Ctrl + Alt + Del does not respond	Press the reset switch. (page 19)
Numbers are entered even though it is a normal key input	Switch with Fn + F11.

•Printing is strange

situation	correspondence
Can't print Printer is not turned on	Turn off the power to the machine, and then turn it back on to the printer.
Can't print The connection cable or connector is not connected correctly.	Reconnect correctly (please note that some printers may require a specified cable).
Can't print Printer is ready to print (online) has not become	Please check whether the printer is showing "Ready to print" or "Online".
Can't print The application software is setting a printer that is different from the connected printer.	Correct the settings in [Printers] in [Control Panel].
Unable to print even after doing all the above steps.	Exit Windows 98 and restart the unit.
Can't print The printer driver for the printer is not installed.	When newly connected, it is necessary to set up the printer driver. Please check the printer driver settings.

•I'm not feeling well

situation	correspondence
PW-LED flashes red immediately after charging	If the charging function of the battery pack has deteriorated, replace it with a battery pack sold separately.
A beeping sound is heard during use	The battery pack is low on charge and is about to run out. Please connect the AC adapter.
The machine stopped working during operation.	<ul style="list-style-type: none"> <li>• If you were using a battery pack, the battery may have run out. Please connect the AC adapter.</li> <li>• The system may have stopped due to a problem with the application software you were using. Press the reset switch and restart the device.</li> </ul>
Operation is slow ①	<ul style="list-style-type: none"> <li>- Turn off the power, restart it, and check the situation.</li> <li>- There may be insufficient memory. Please consider adding a RAM module.</li> </ul>
Operation is slow ②	If power management is set to economy, set it to normal or disabled (  (page 71).
Operation is slow ③	Turn off the power and leave it for a while. Once the temperature drops, it will return to normal.
Date/time displayed incorrectly on screen	<ul style="list-style-type: none"> <li>- Enter the correct date/time using the Control Panel.</li> <li>• If the clock still goes out of order no matter how many times you try to correct it, the clock battery that maintains the date/time information may be running out. Please contact the store where you purchased the product or your local Casio service center.</li> </ul>

•I'm not feeling well (continued)

situation	consequence
Gesture function does not work	If Sensiva Pro is not running, click the [Start] button and launch Sensiva Pro from the menu.
Hotkeys don't work	<b>Click the Start button and launch Mobile Cockpit</b> from the menu.
Mobile cockpit no longer appears	The mobile cockpit may be closed or set to be hidden. • If it is closed, click the [Start] button and start Mobile Cockpit from the menu. - If it is set to hide, click the <b>[Mobile Cockpit] icon</b> in the [Indicator Area] and uncheck [Hide].
Windows 98 has stopped working	<ul style="list-style-type: none"> <li>• <b>Press Ctrl+Alt+Del</b> and click the Shutdown button to restart Windows 98.</li> <li>• <b>If Ctrl+Alt+Del also does not work</b>, press the reset button on the unit to restart the system.</li> </ul>

•Problems after recovery processing

situation	correspondence
Microsoft Fax is no longer available	After recovery, install Microsoft FAX from the Windows 98 CD-ROM.
The standard software is no longer usable.	Even if you perform a recovery, some software will not be returned to factory settings. Install each software from the Product Recovery CD-ROM.
Screen font has become smaller	Even if you perform recovery, the screen font size will not return to the factory default. Please change the settings in [Display Properties].
the wallpaper has changed	Performing a recovery will not return the wallpaper to factory settings. Please change the settings in [Display Properties].

•In case of abnormality or breakdown

situation	correspondence
If you notice an unusual odor or overheating	Immediately turn off the power and unplug the power cord.
If you are unable to understand something during operation	If you cannot figure out why the product cannot be operated, please contact the Casio Support Center. When contacting us, please let us know the following information: <ul style="list-style-type: none"> <li>• Name of the device used</li> <li>• Date of purchase</li> <li>• Current status, name of software used</li> </ul>
A malfunction has occurred	Immediately go to the store of purchase or your local Please contact a Casio service center. When consulting with us, please let us know the following information: <ul style="list-style-type: none"> <li>• Name of the device used</li> <li>• Date of purchase</li> <li>• Current state</li> </ul>

# Re-setup

## appendix

This section explains how to repair the contents of your hard disk using the Recovery CD-ROM.

### Start recovery

Settings that are not restored even with recovery operations/  
Installing

the software from the software Recovery  
CD-ROM

Change wallpaper and screen  
design Install Microsoft Fax

Installing Windows 98

accessories

Change microphone settings

Copy the CAB file to your  
hard disk

create a startup disk



## Start recovery

You can use the included Product Recovery CD-ROM to return the contents of your hard disk to its factory state. If Windows 98 stops working properly or Windows 98 no longer starts, you can use the Product Recovery CD-ROM to repair your hard disk (hereinafter, this repair work will be referred to as "recovery"). , the device will return to the state it was in when you purchased it.



When you perform a recovery, all information previously saved on your hard disk will be lost. Please be sure to back up (duplicate) important data on a regular basis and store it separately from the

device.



- To use the Product Recovery CD-ROM, a separately sold CD-ROM device is required (see "List of optional accessories").
- When performing recovery, be sure to connect the AC adapter to the device. If the battery runs out during the recovery process, you will have to start the process over again.

Please follow the steps below to perform the recovery operation.

- Change BIOS settings

Normally, the computer is set to boot from the hard disk, but if you want to boot from a CD-ROM device, you will need to change the BIOS settings.

### procedure

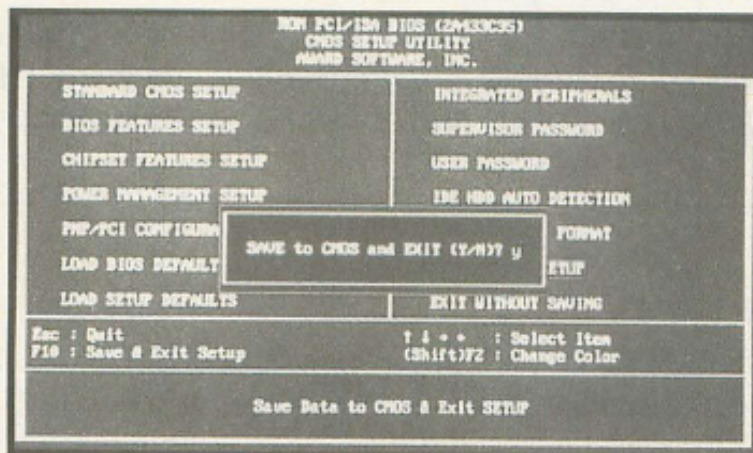
1. Turn off the power.
2. Connect your CD-ROM device.
3. Insert the Product Recovery CD-ROM into the CD-ROM device.
4. Press the power switch on the machine.



8. Press Esc to return to the BIOS Setup Utility initial screen.

9. Use **↓**, to select [SAVE & EXIT SETUP] and press **Enter**.

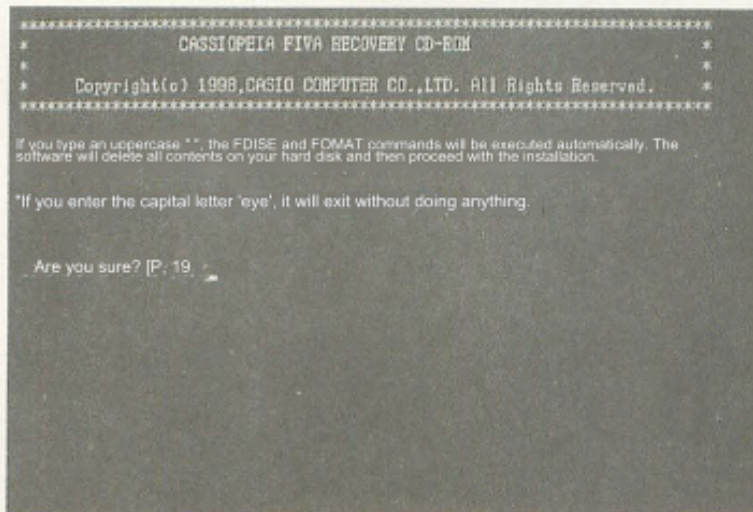
10. When you see [SAVE to CMOS and EXIT (Y/N)?], **Y** enter and press **Enter**. The changed BIOS information will now be saved and the machine will restart from the CD-ROM device.



- Partition/format the hard disk When you boot from the Product Recovery CD-ROM, the recovery process starts automatically. Follow the on-screen instructions to proceed.

procedure

1. Reserve space for hibernation on your hard disk. When you boot from the Product Recovery CD-ROM, the screen below will appear after a series of initialization processes. Now press Shift + Y (uppercase "Y") to delete everything on the hard disk and start the reinstallation.





Pressing Shift + Y (uppercase "Y") on this screen will delete all data previously saved on your hard disk. If you wish to abort the recovery process, press Shift + N (uppercase 'N') to abort the recovery process.



If you enter "Y" here, the hard disk will be partitioned using the FDISK command, creating a partition to be used for normal data storage and a partition to save memory during hibernation. The hibernation partition will then be formatted automatically.

## 2. Format the disk.

When the screen below appears, press any key (such as space) to restart the system and begin formatting the hard disk. Formatting the hard disk will take approximately 10 minutes.

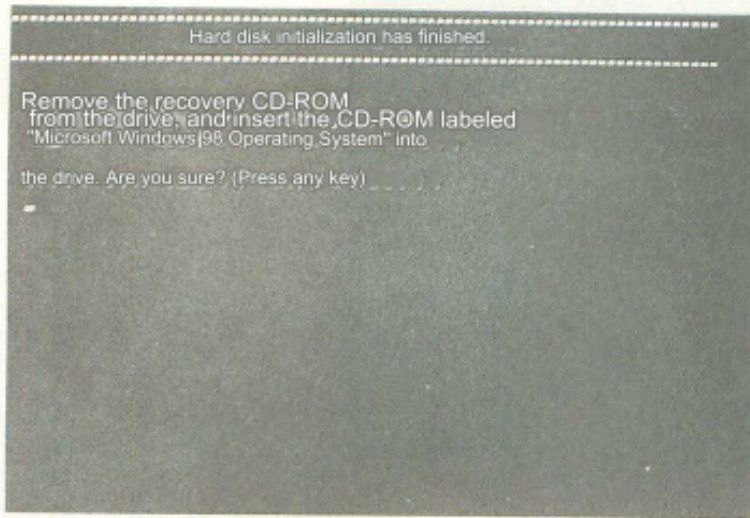
```
-----
A hibernation area is secured. Upon
successful completion a restart confirmation message will be
displayed. After checking the display, press any key.
-----
ZYHDD 1.31 -- Award NoteBIOS v4.51GP(tm) Zero-Volt Partition Utility
Copyright (c) Award Software Inc. 1996. All rights reserved.

  Formatting 39296KB Byte
The system will now be reset to allow the BIOS to recognize the changes.
If the system fails to reboot, please turn off the power.

Press any key to reset the system.....
-
```

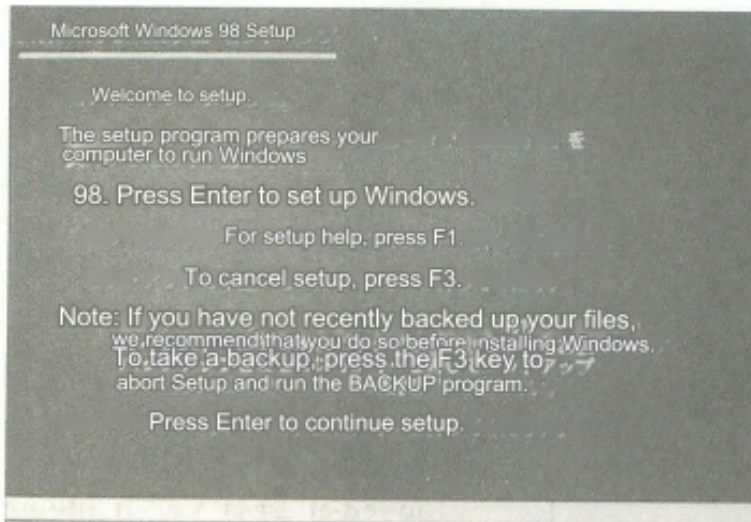
### 3. Replace the CD-ROM.

After formatting the hard disk, remove the Product Recovery CD-ROM from the CD-ROM device and insert the included "Microsoft Windows 98 Operating System" CD-ROM. Then press any key.



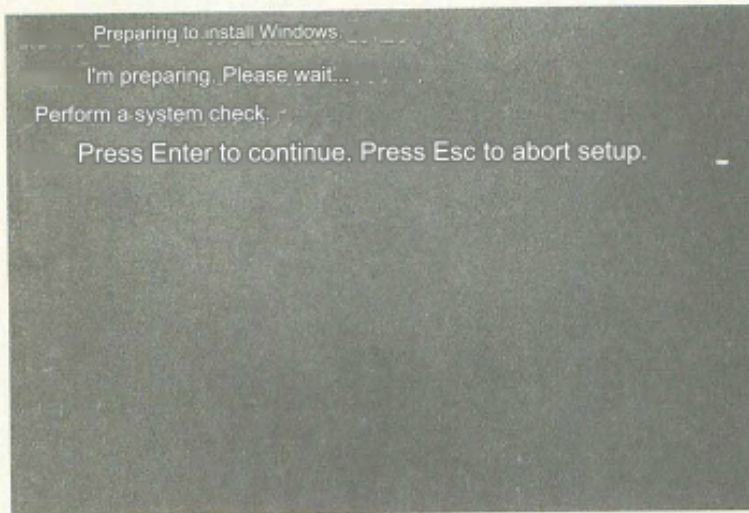
When replacing the CD-ROM, do not turn off the power to the CD-ROM device.

### 4. Begin Windows 98 setup. When the screen below appears, press Enter.



5. Run system checks.

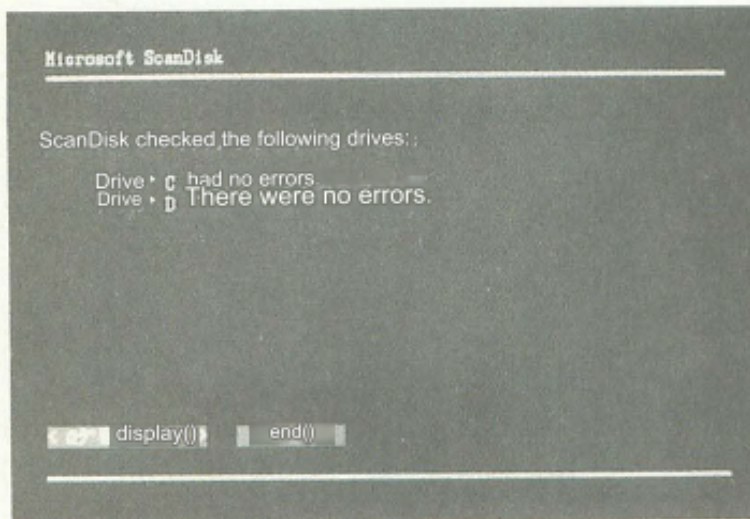
When the screen below appears, press Enter. ScanDisk will start and check your hard disk for errors.



ScanDisk is a program that checks your hard disk for errors. If there is an error at this time, repair it.

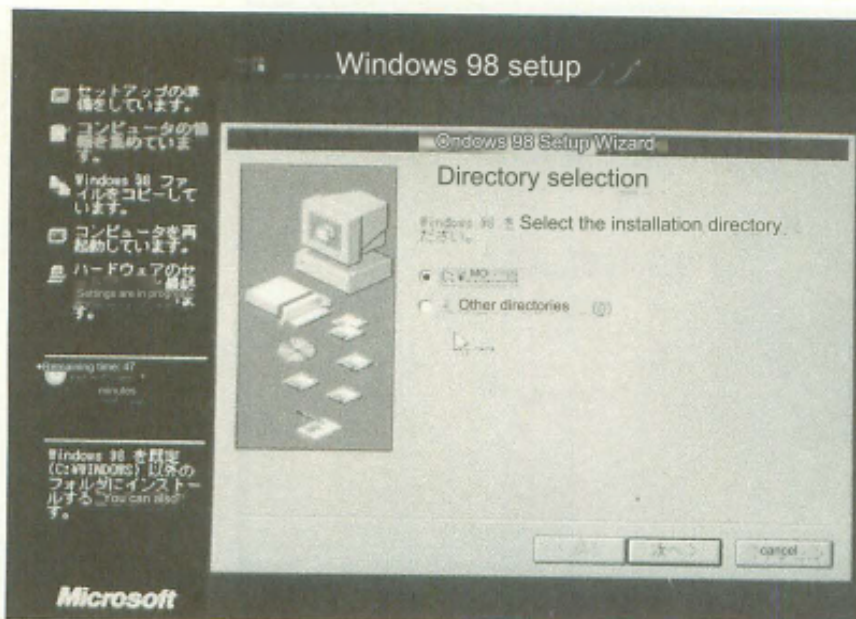
6. Finish the system check.

When ScanDisk is finished, press X to exit ScanDisk.



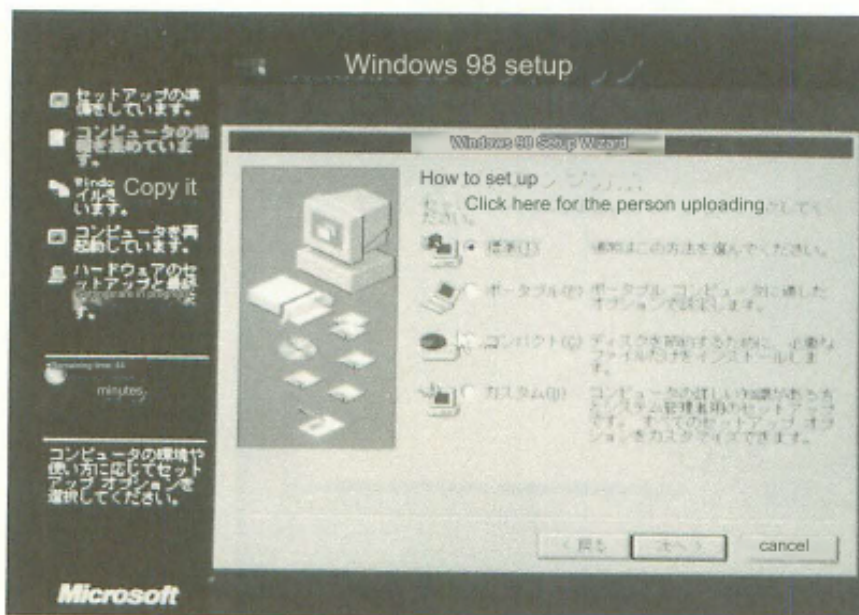
The screen will then change to prepare for Windows 98 setup and start Windows 98 setup. The setup wizard will start.

7. Select the directory where you want to install Windows 98. Make sure that [C:\WINDOWS] is selected and click the [Next>] button.



If you want to change the directory where Windows 98 is installed, select [Other directory] here and follow the instructions to enter the name of the directory you want to install. Normally, you can leave the default [C:\WINDOWS] as is.

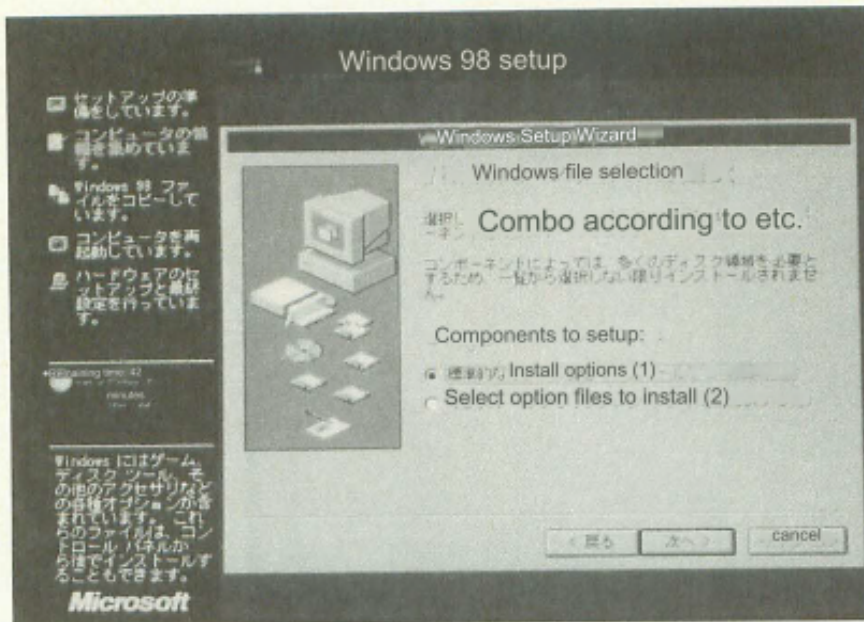
8. Select Setup method. Make sure Standard is selected and click the Next > button.




You can select items other than [Standard], but if you want to return the hard disk to its factory condition, be sure to select [Standard].

9. Select Choose Windows File.

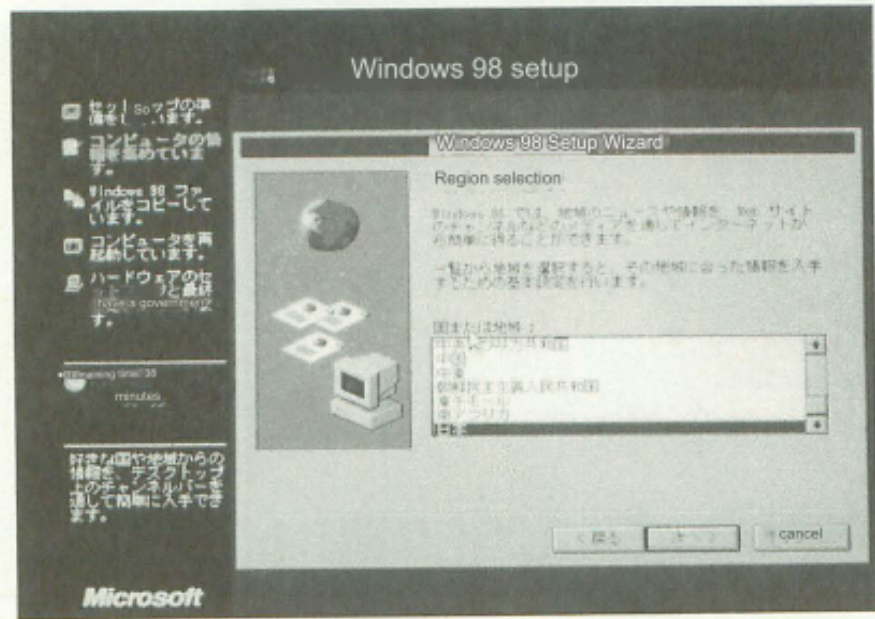
Make sure that [Install standard options] is selected here, and click the [Next>] button.



 You can also select [Select option files to install], but if you want to return the hard disk to its factory condition, be sure to select [Install standard options].

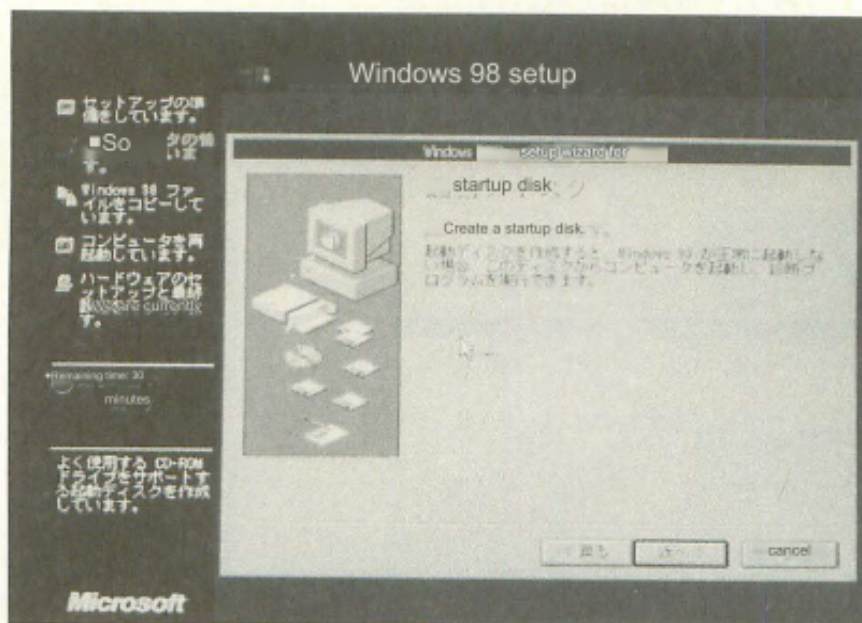
10. Select [Region]. Make

sure that [Country or region] is set to [Japan], and click the [Next>] button.



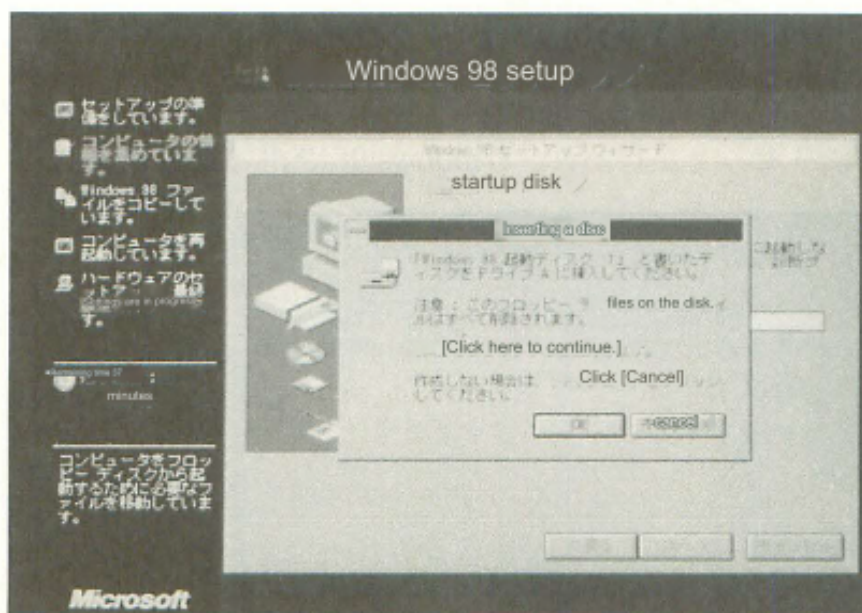
# 11. Skip the startup disk creation process

When the screen below appears, click the [Next>] button.

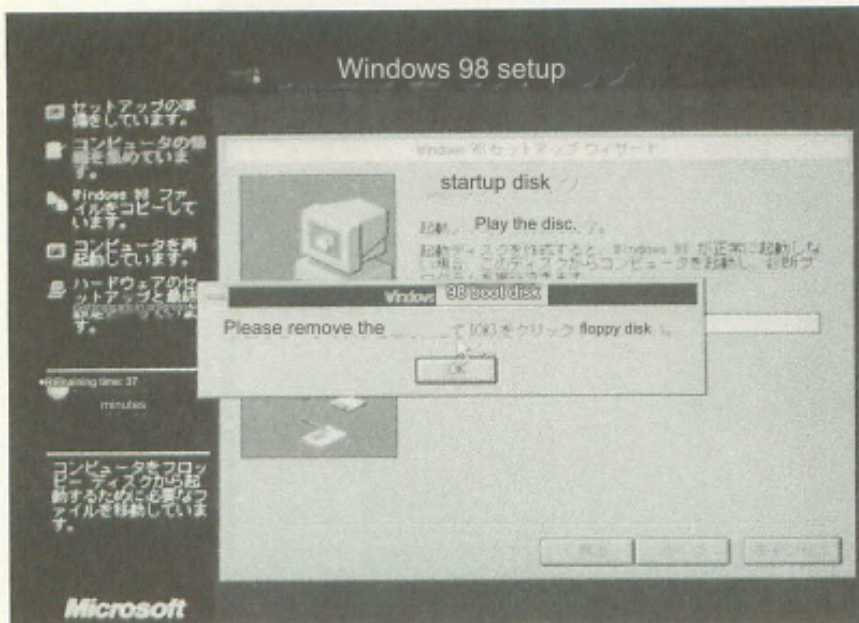


A startup disk is a floppy disk that is used when Windows 98 does not start properly. You can use the startup disk to start your system and run diagnostic programs to find out why your system is not starting properly.

When the Insert Disk dialog below appears, click the Cancel button.



A confirmation message will be displayed, so click the [OK] button. This will skip the startup disk creation process. Create a startup disk after installing Windows 98.

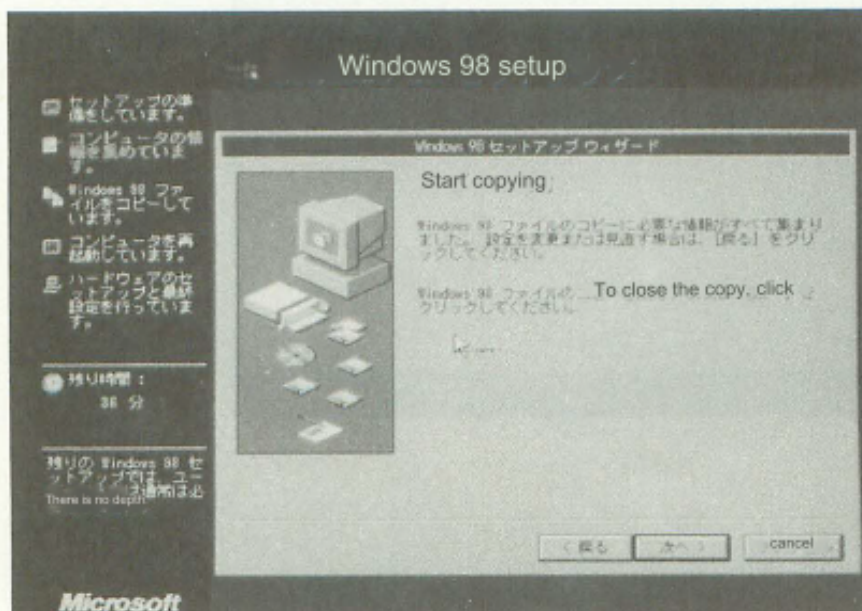


See page 138 for instructions on how to create a startup disk after installing Windows 98.



During recovery, the CD-ROM device becomes the A: drive, so even if a floppy disk device is connected, it will not work as a startup disk. This is why we will skip the process of creating a startup disk here.

12. Start copying files. When the screen below appears, click the [Next>] button to begin copying files. Copying the files will take approximately 15 minutes. Once the files have been copied, the computer will be automatically reset and Windows 98 will restart.

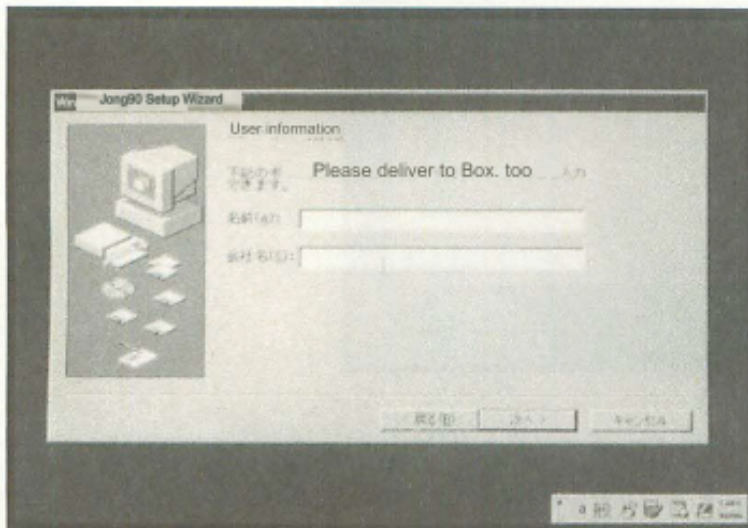


## Configure Windows 98 settings

procedure

### 1. Enter your user information

Here, register your name and company name. The name is required, but the company name is optional. Since the Japanese input system is activated, you can input in Japanese. The input method is "Romaji input". After entering the Name, press TAB. The cursor moves to [Company Name]:

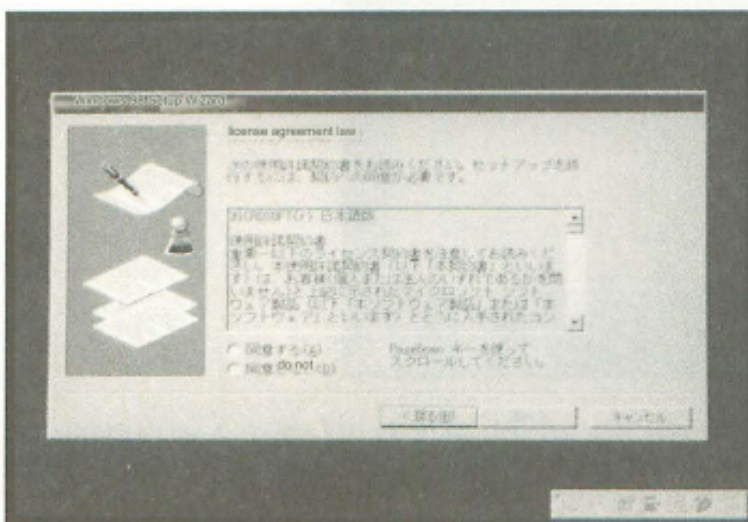


Once you have entered your name and company name, confirm them and click the Next> button.

### 2. Check the license agreement

Please be sure to read the contents of the Microsoft Software License

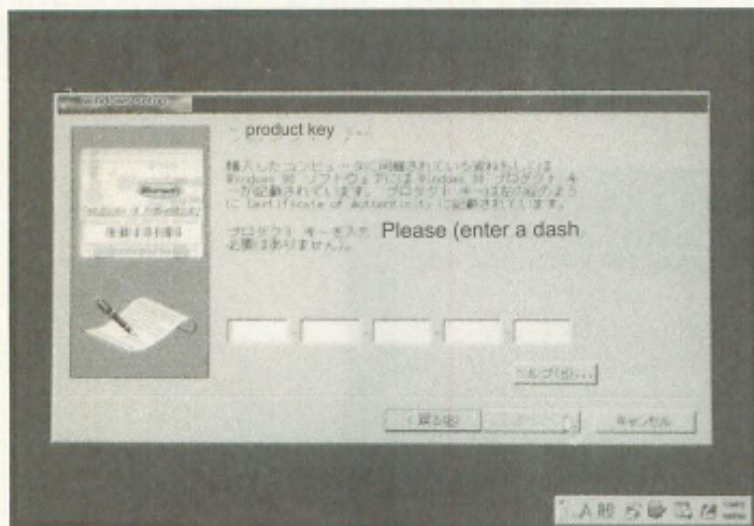
Agreement. To read all explanations, scroll the display using the ▲, ▼ buttons on the screen scroll bar or PgUp (Fn+↑), PgDn (Fn+↓).



Click the circle to the left of [I Agree] and click the [Next>] button.

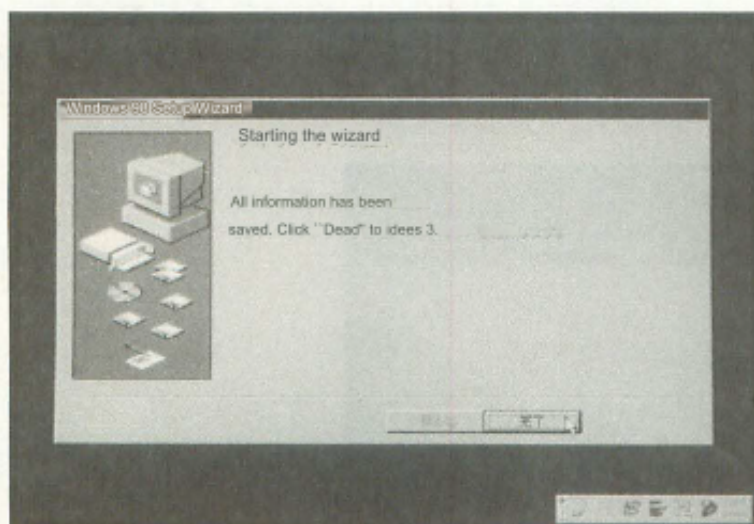
### 3. Enter your product key

Enter the alphanumeric characters (product key) printed on the "Certificate of Authenticity" attached to the included "First Step Guide for Windows 98" and click the [Next>] button. With this input, alphabetic characters are entered in uppercase even if you do not press Shift.



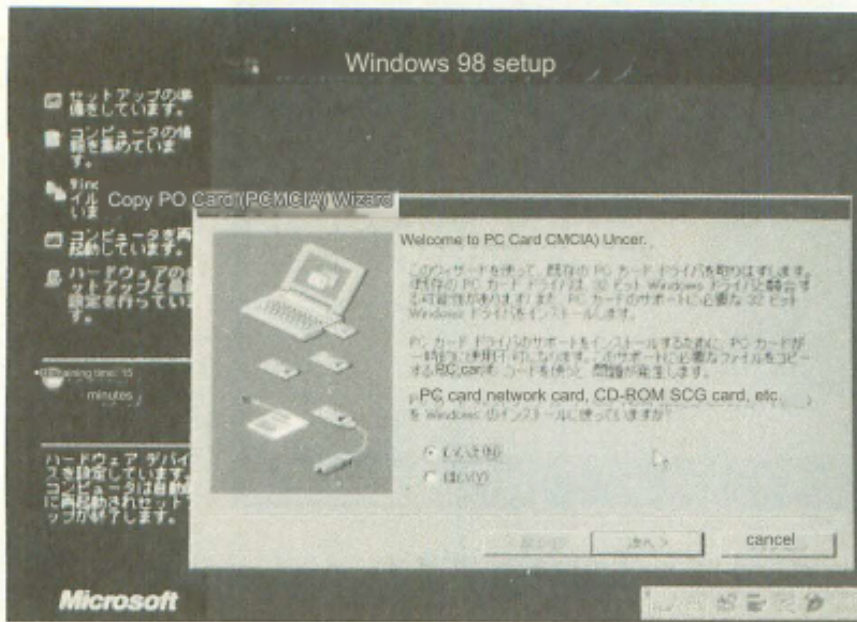
When entering the product key, please be careful as there are characters that can be easily confused with, such as 0 (zero), o (o), B (bee) and 8 (bee).

Once you have entered the product key, the wizard will start. Click the Finish button.

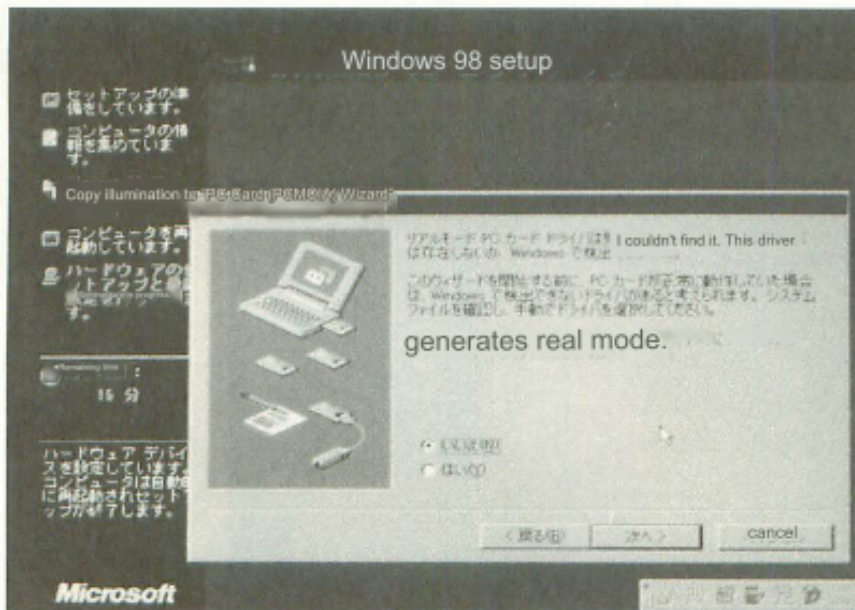


From now on, the files will be copied from the CD-ROM and the system will automatically restart.

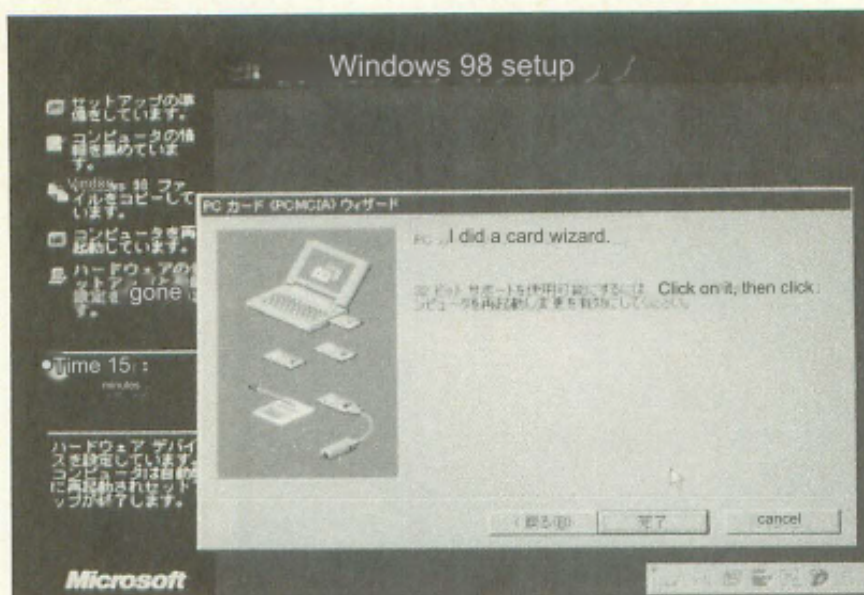
4. The PC Card Wizard will start. Make sure [No] is checked and click the [Next>] button.



5. Click the [Next>] button on the following screen as well.



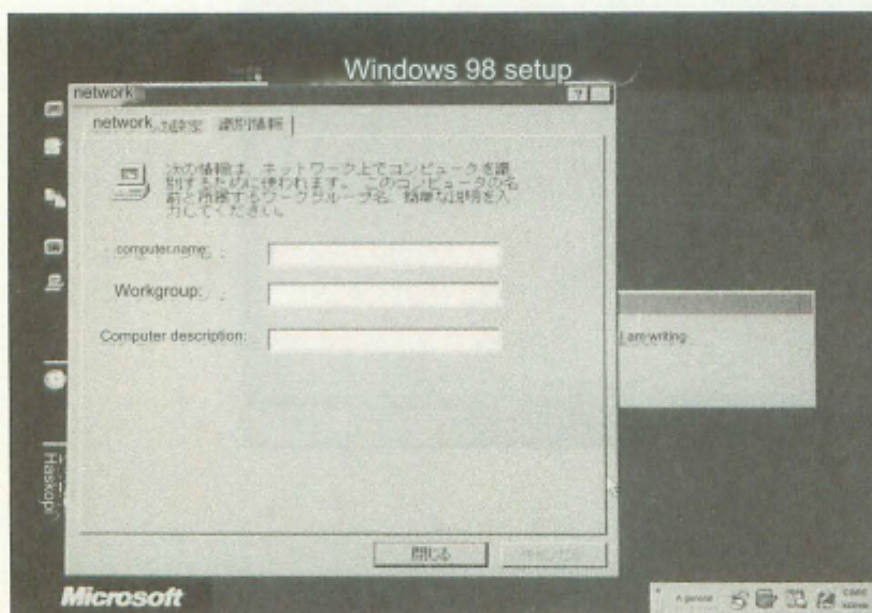
6. The PC Card Wizard will complete.



A reboot will occur and setup will continue.

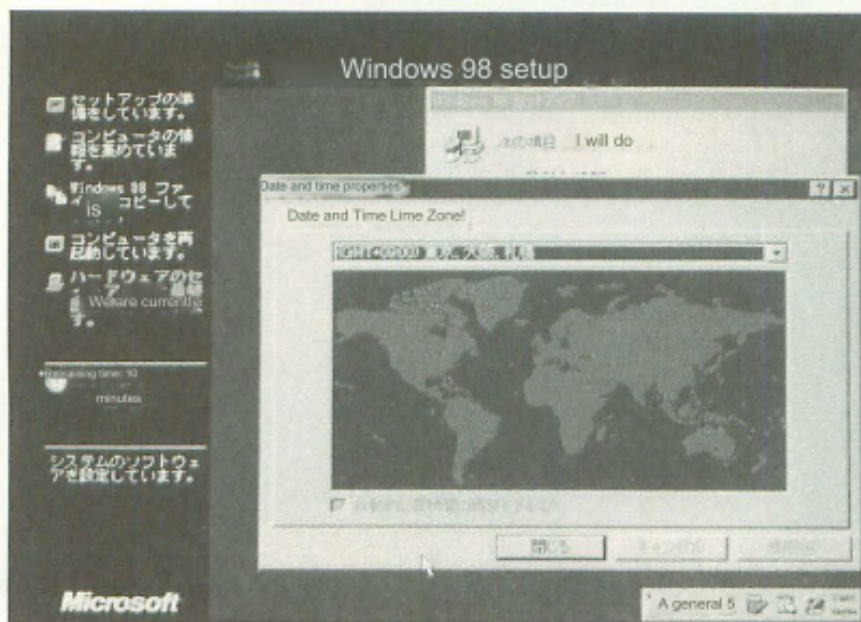
7. Set the computer name and network group name.

Click OK and the Network window will appear. Enter [Computer Name] and [Workgroup Name], and click the [Close] button. For example, set [Computer Name] to "FIVA" and "Workgroup Name" to "CASIO."



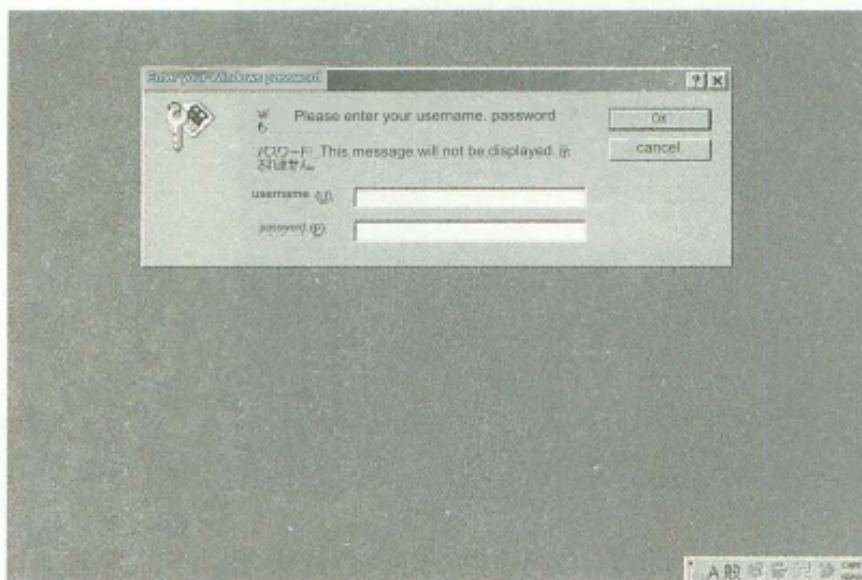
When using this machine connected to a network, ask your network administrator to enter the [Computer name] and [Workgroup name] settings.

8. Set Date and Time Properties. Make sure that [(GMT+09:00) Tokyo, Osaka, Sapporo] is selected for [Time Zone]. Click the Date and Time tab and set the date and time. For the month, click [▼] and select the month from the list. Set the day by clicking the number on the calendar. For the time, enter the hours, minutes, and seconds as numbers. AM and PM can be switched using [▲] and [▼]. After setting, click the [Close] button.

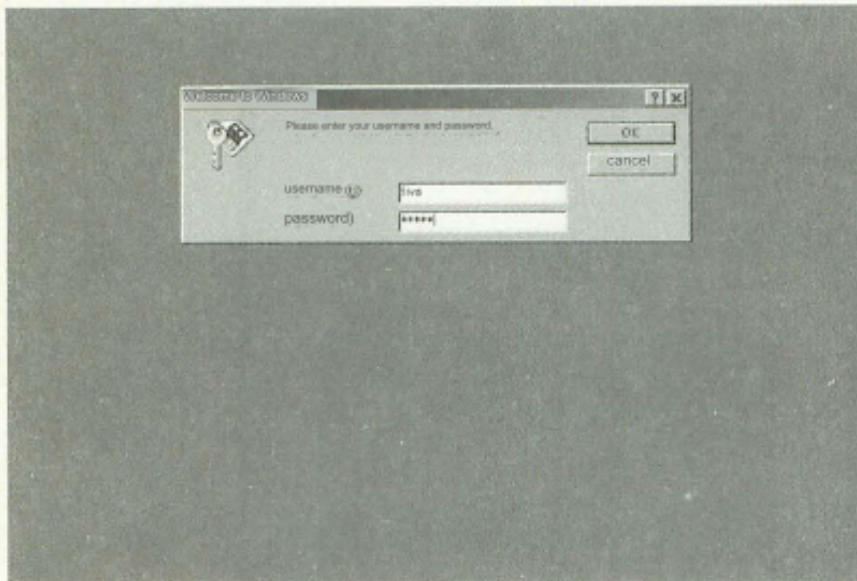


9. The setup will run automatically for a while. Then it will restart automatically:

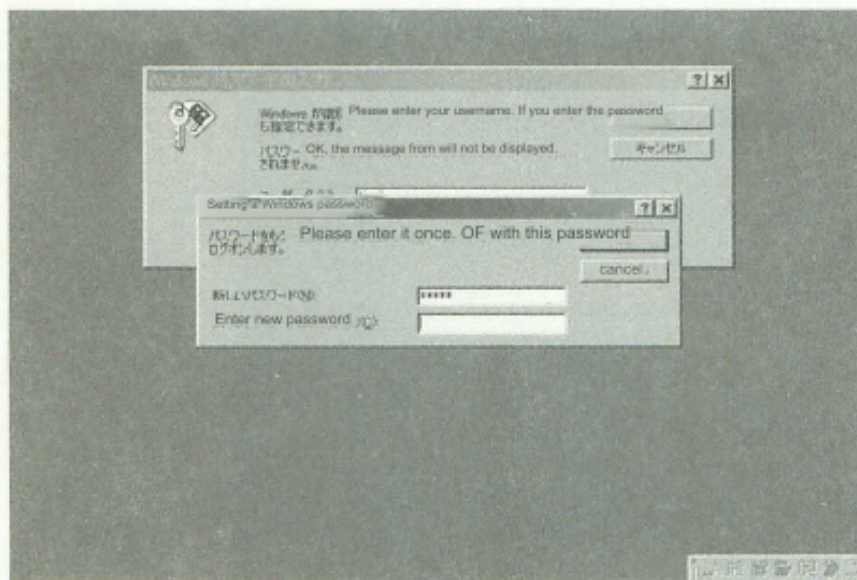
10. Enter your username and password :



Enter the name and password of the user using Windows 98. If you omit entering the user name and password, this screen will be displayed from the next ません。startup. - After entering the user name, press TAB. The cursor will then move to Password. All characters entered in the password will be displayed as "\*". Once you have completed entering your password, click the OK button.



To confirm your password, enter the same password in Confirm new password. All characters entered here will also be displayed as "\*". When the input is complete, click the [OK] button. The user name and password entered here will be required to log in to Windows 98 from the next time.



11. The Welcome to Windows 98 window will appear. Here you can start the setup wizard for connecting to the Internet and see an introduction to Windows 98. This screen will be displayed every time you start Windows, but if you do not want this screen to appear the next time you start up, click on the bottom left of the window and remove the check. It will no longer be displayed from the next startup. To close the window, click at the top right.

## Installing Casio's proprietary software

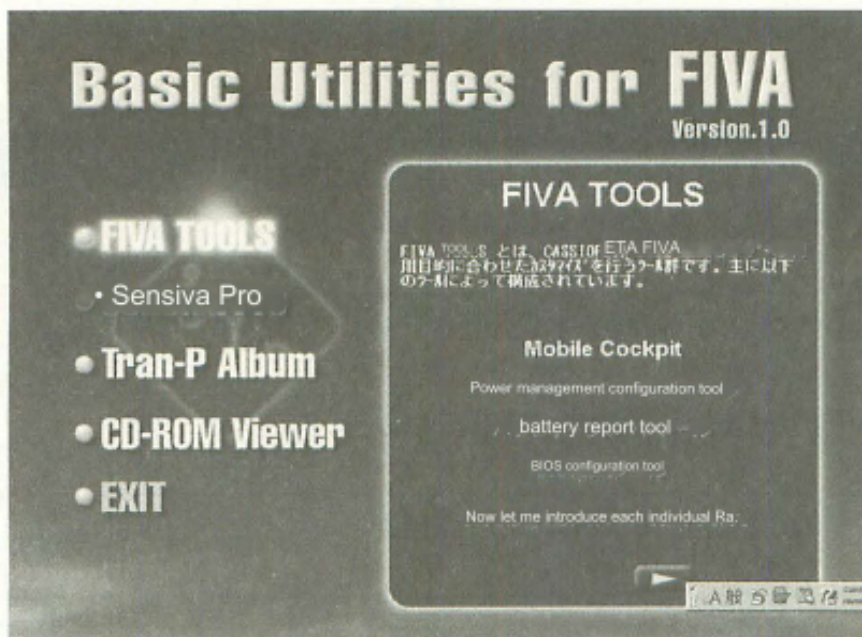
procedure

### 1. Replace the CD-ROM.

Remove the "Microsoft Windows 98 Operating System" CD-ROM from the CD-ROM device and insert the Product Recovery CD-ROM.

### 2. Select and install the tools. After a

while, "Basic Utilities for FIVA" will start automatically. When you move your mouse cursor over each tool name, a description of the tool appears in the right window.



Software that can be installed by clicking on each tool name is

#### • FIVA TOOLS (mobile cockpit, etc.)

• Sensiva Pro

• Tran-P Album for CASIO

There are three.

Although each software can be installed selectively, be sure to install FIVATOOLS (Mobile Cockpit, etc.) as it includes important system support functions.



The mobile cockpit includes built-in hotkey volume settings, serial port switching, and more.

3. After each tool has been installed, click EXIT.



The installation tool will automatically change the boot order in the BIOS settings so that C drive has priority. If you want to boot from the CD-ROM device, change the BIOS settings again.

### Settings/software that are not restored even with recovery operations

The steps you have taken so far will return the contents of the machine's hard disk to almost its factory state. However, **the following software and settings will not return to their original state even if you perform recovery**

operations

Settings/Software	Workaround	reference
<b>Acrobat Reader</b>	Install from Product Recovery CD-ROM	128 pages
Internet with Nifty Serve	Install from Product Recovery CD-ROM	128 pages
Communication Karaoke LANA Lite	Install from Product Recovery CD-ROM	128 pages
<b>QV-LINK</b>	Install from Product Recovery CD-ROM	128 pages
wallpaper and screen design	Change settings in Display Properties	129 pages
Microphone mute	Change settings under [Volume Control]	135 pages
microsoft fax	Install from the "Microsoft Windows 98 Operating System" CD-ROM.	131 pages
Windows 98 accessories	Install with Add/Remove Programs	133 pages

• Reinstall the IR driver

procedure

1. From the desktop screen, open [My Computer] → [Control Panel] → [Add Hardware] → [Add New Hardware Wizard]. Follow the guidance and press the [Next>] button twice.
2. You will be asked if you want to automatically detect your hardware. Check [No] and follow the guidance and press the [Next>] button twice.
3. From the "Hardware Type" selection screen, select [Network Adapter].  
Press the [Next>] button. When the "Device Selection" wizard appears,  
Manufacturer: National Semiconductor  
Model: NSC-PC87338 Fast Infrared Port  
Select and press the [OK] button.
4. When the resource settings are displayed, press the [Next>] button.  
When the installation completion dialog appears, press the [Finish] button. At this point, a dialog box prompting you to shut down will appear; click the "No" button.
5. Open the [Control Panel] screen again, double-click [Network], select [NSC-PC87338 Fast Infrared Port] from the [Network Components] screen, and press the [Properties] button.  
Select Infrared Transceiver A from the Advanced tab. Select [HP HSDL-2300] from the [Value] box and press the [OK] button.
6. From the [Network] dialog, press the [OK] button to exit the [Control Panel] screen.
7. When the screen prompting you to restart appears, press the [Yes] button to restart.

## Install the software from the Recovery CD-ROM

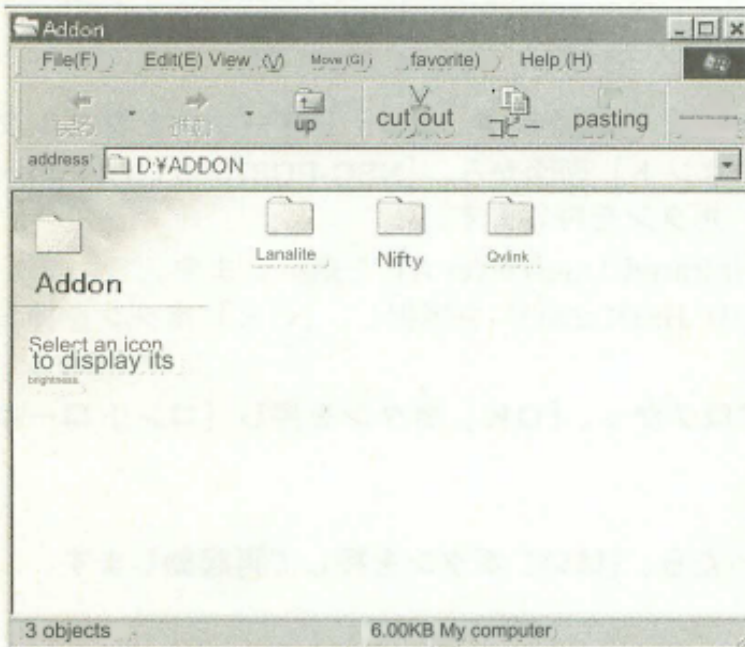
This machine comes with some software installed at the factory. this house,

- QV-LINK
- Acrobat Reader
- Internet with Nifty Serve
- Communication Karaoke LANA Lite

The following four software cannot be automatically installed from the Product Recovery CD-ROM. Start the setup program for each software and install it.

### procedure

1. Insert the Product Recovery CD-ROM into your CD-ROM drive.
2. After a while, "Basic Utilities for FIVA" will start automatically. Now select CD-ROM Viewer.
3. The contents of the Product Recovery CD-ROM will appear in a window. Now, double-click the folder of the software you want to install to open the folder.



4. Double-click [Setup] in each software folder to run it. Then follow the instructions to complete the installation.

## Change wallpaper and screen design



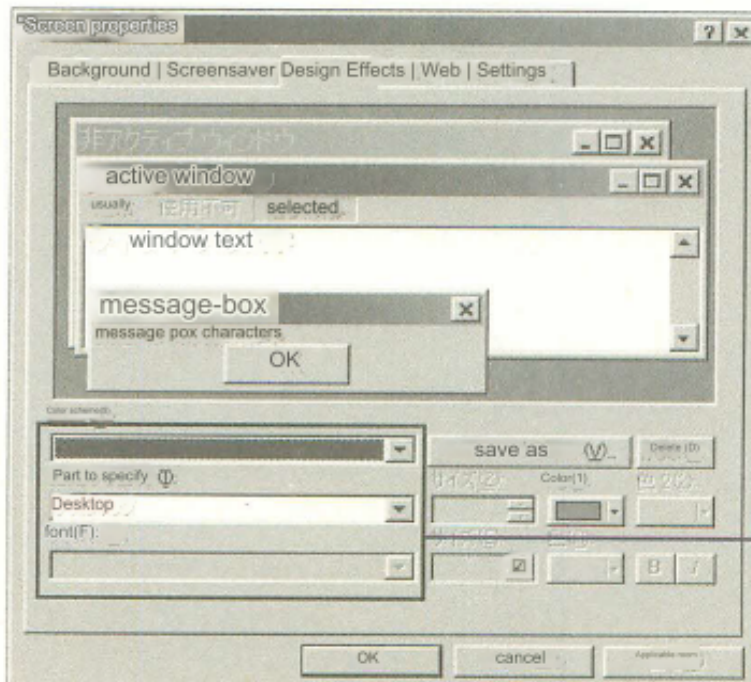
The factory settings for this unit change the default font size of Windows 98. To return to factory default settings after recovery, change each screen setting item as follows.

procedure

1. Right-click on the Windows 98 desktop.
2. Select Properties from the menu. The Display Properties window will appear.



3. Click the Design tab.



4. Change the font size, etc.

To restore the factory default settings, please set as shown below.

Part to specify	Setting items	setting
icon	font size	12
active title bar	font size	12
scroll bar	size	18
title button,	size	20
menu	font size	10

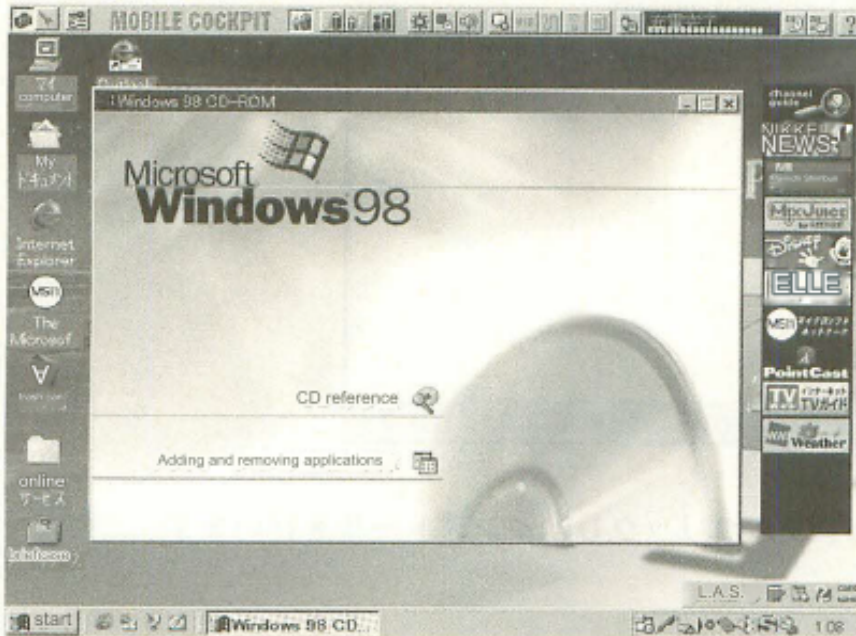
5. Change wallpaper.

Click the Background tab and select 16bit\_Horizon from Wallpaper.

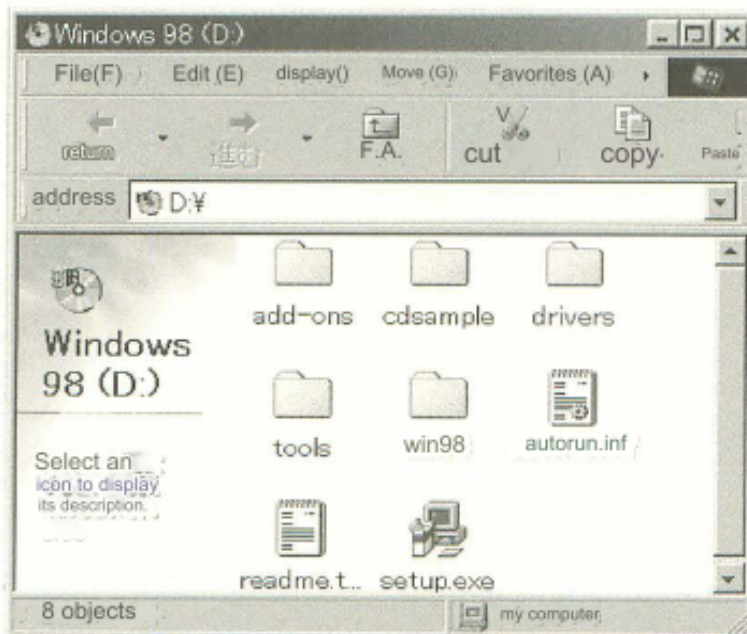
6. Click OK to finish the configuration.

procedure

1. Insert the "Microsoft Windows 98 Operating System" CD-ROM into the CD-ROM device. The following window will automatically appear:



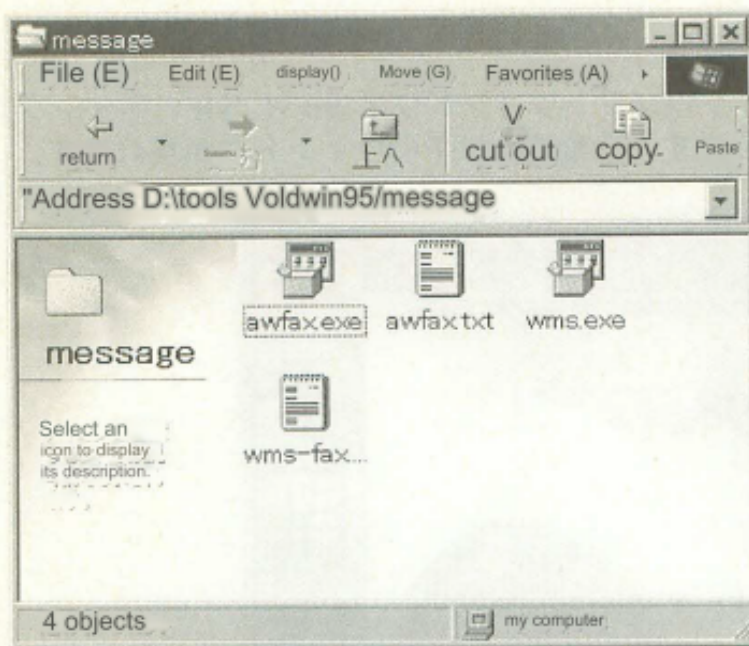
2. Click Browse CD.



With

record

3. Double-click the [tools] folder, then double-click the [oldwin95] and [message] folders to open them.



4. Double-click [awfax.exe] to install it.

5. Reboot.

After installation is complete, you will need to restart your system. Click the [Yes] button to restart.

## Install Windows 98 accessories

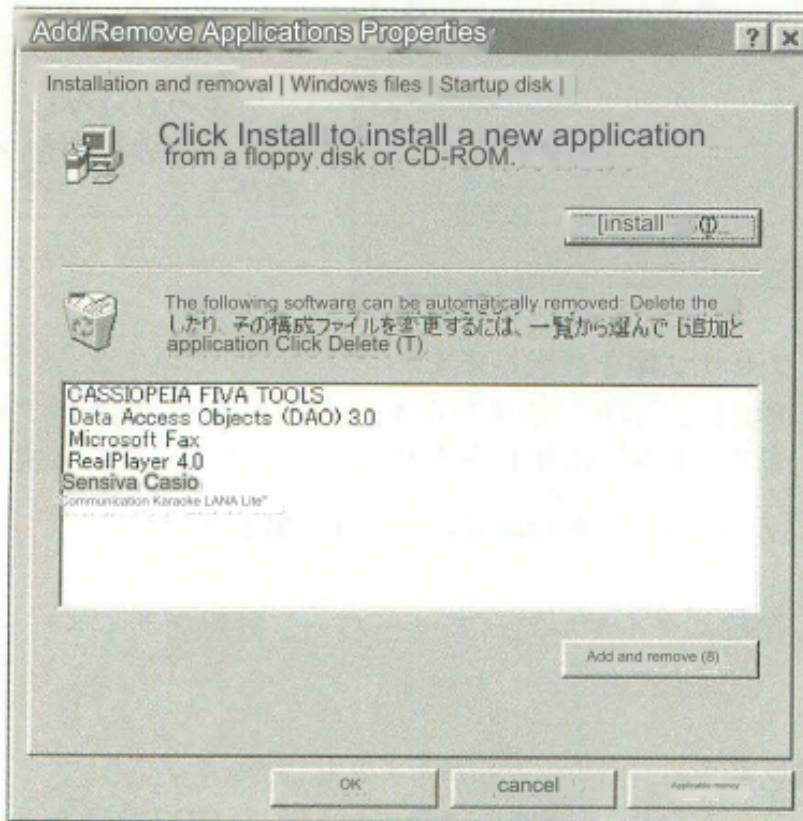
When Windows 98 is installed in its standard state, accessories may differ from the factory defaults. Here we will explain how to make the accessories the same as when shipped from the factory.

procedure

1. Insert the "Microsoft Windows 98 Operating System" CD-ROM into the CD-ROM device.

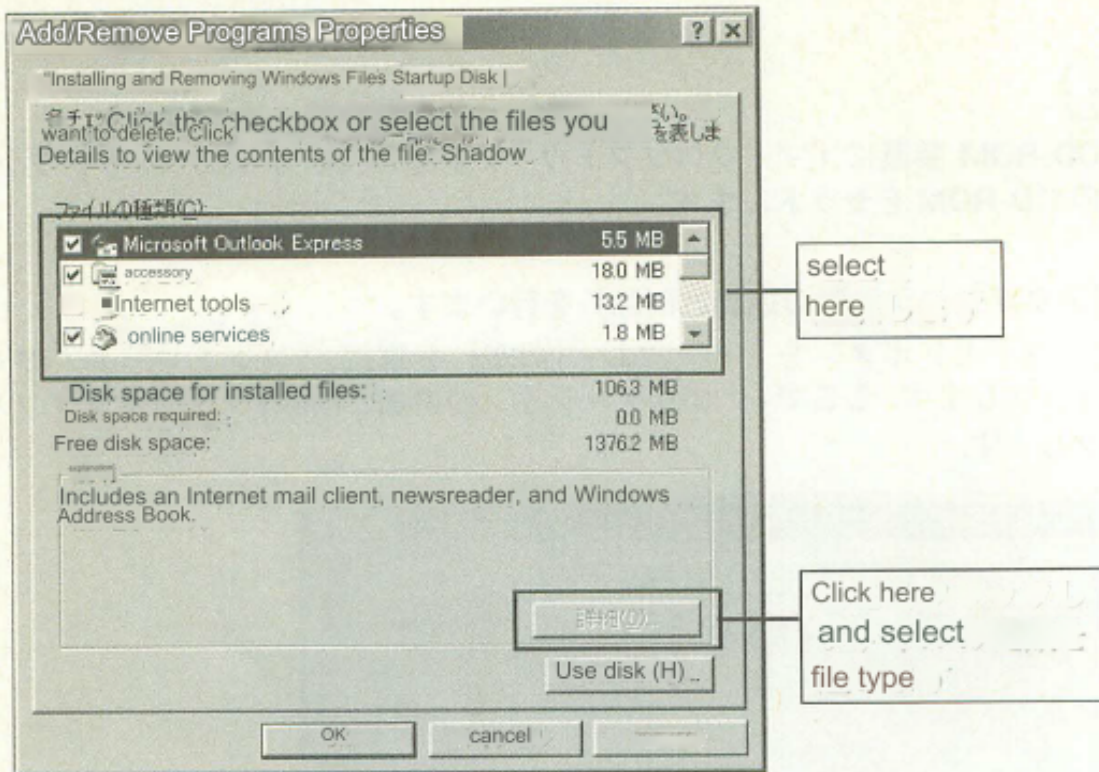
2. Perform [Add/Remove Applications].

Click the [Start] button, select [Settings], and click [Control Panel]. Now double-click the Add/Remove Programs icon.



### 3. Click the Windows Files tab. . .

Files that are already installed are checked in the Files of type list.



### 4. Select the accessories you want to install. . .

Select each file type and click the Details button. Click and check all File Types except for the accessory name below.

- [Internet Tools] Web-Based Enterprise Mgmt
- [Multilingual support]
- [Communication] cable connection, dial-up server, virtual private network

### 5. Begin the installation. . .

Click the OK button to automatically install the selected accessories from the Windows 98 CD-ROM. It will take approximately 10 minutes to complete the installation. During this time, Windows 98 cannot be used. Wait a moment until a dialog box appears requesting a reboot.

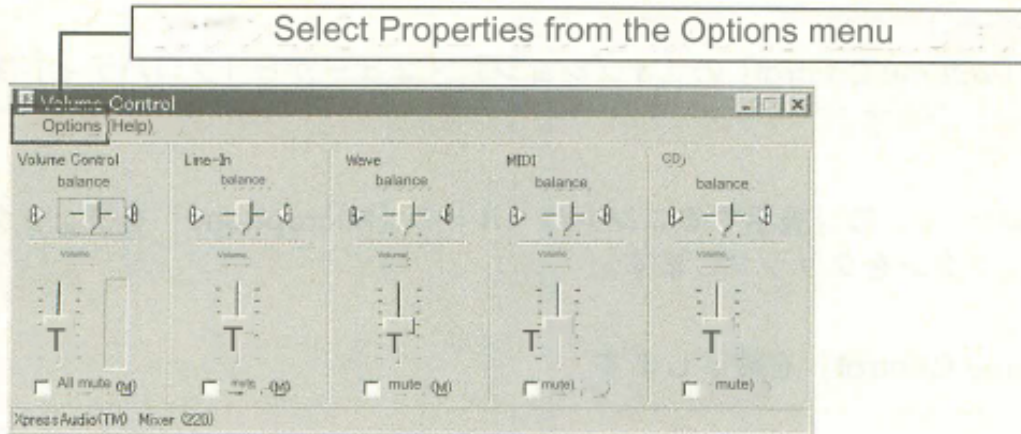
## Change microphone settings



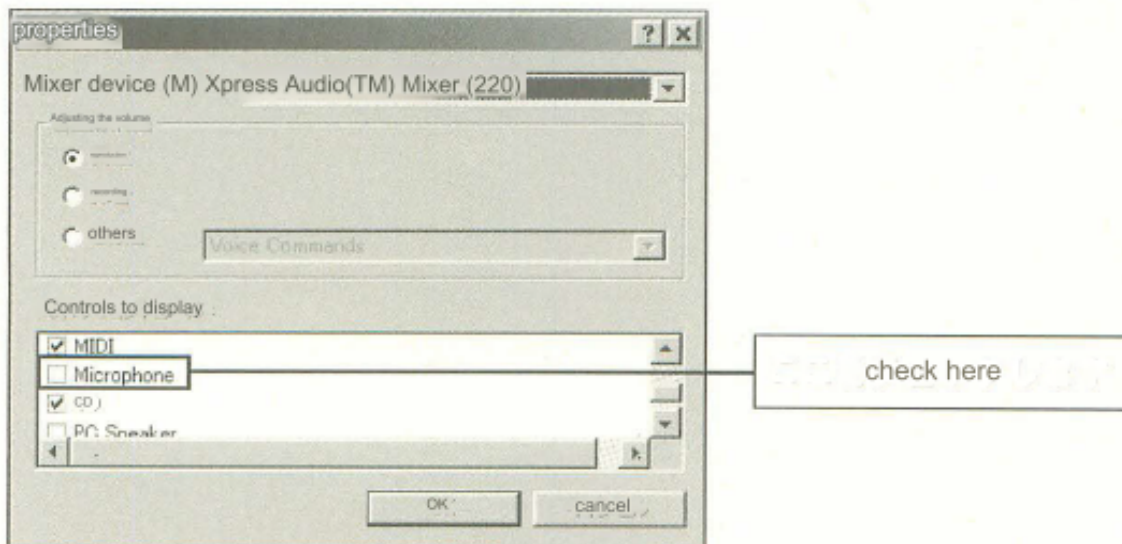
By factory default, [Microphone] in [Volume Control] in Windows 98 is set to mute. To change the Microphone settings after the recovery procedure:

procedure

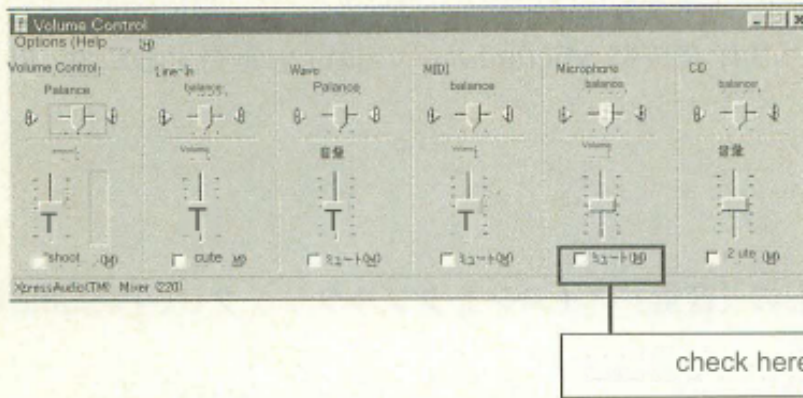
1. Double-click the [Volume] icon in the [Indicator Area] to display [Volume Control].



2. Select Properties from the Volume Control Options menu.
3. Check [Microphone] in [Controls to display] in [Properties] and click the [OK] button.



4. Check [Mute] for [Microphone] added to [Volume Control].



5. Select [Properties] from the [Options] menu of [Volume Control] again and click.

6. Uncheck [Microphone] in [Controls to display] in [Properties] and click the [OK] button:

7. Exit Volume Control.

## Copy the CAB file to your hard disk

Copying the Windows 98 CAB file, which contains drivers, etc., to your hard disk is convenient because you do not need to connect the CD-ROM when you connect peripheral devices.

### procedure

1. Connect your CD-ROM device.
2. Insert the "Microsoft Windows 98 Operating System" CD-ROM into the CD-ROM device.

Make sure there is a "Cabs" folder under the \Windows\Options folder on your C: drive.

3. Copy all contents of the [Win98] folder on the "Microsoft Windows 98 Operating System" CD-ROM to the Cabs folder.

From now on, when you are prompted for the Windows 98 installation CD-ROM when installing the driver, specify the "Cabs" folder under the \Windows\Options folder.

## create a startup disk

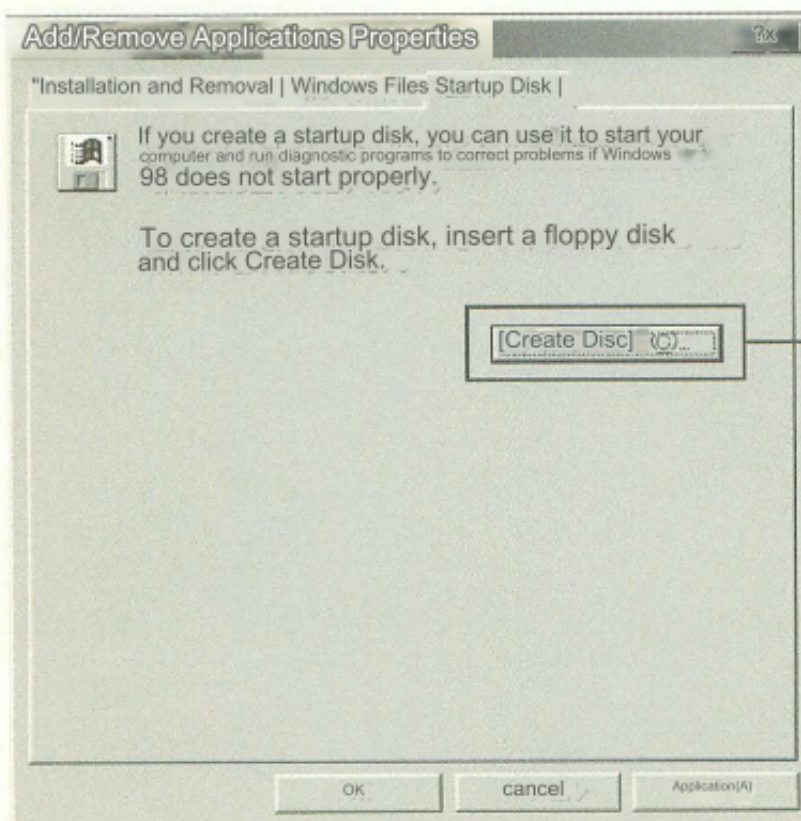
Here we will explain how to create a startup disk. A startup disk is a floppy disk that is used when Windows 98 does not start properly. You can use the startup disk to start your system and run the diagnostic program to find out why it is not starting properly.



To create a startup disk, you will need a floppy disk device (sold separately).

### procedure

1. Click the Start button, select Settings from the menu, and click Control Panel.
2. Double-click the Add/Remove Programs icon.
3. When the Add/Remove Programs Properties dialog box appears, click the Startup Disk tab.
4. Insert a new 2HD (1.44Mbytes) floppy disk into the floppy disk drive.
5. Click the [Create Disk] button to start creating the startup disk.



Here  
Click

6. Prepare files for your startup disk.

When prompted for the Windows 98 installation CD-ROM, point it to the "Cabs" folder under the \Windows\Options folder. If you have not copied the CAB file, connect a CD-ROM device and insert the "Microsoft Windows 98 Operating System" CD-ROM.

7. When the [Insert Disk] dialog box appears, make sure that a floppy disk is inserted in the floppy disk drive, and then click the [OK] button. A startup disk will be created.

Model name (FIVA 101)		MPC-101M30 (scheduled for release)	MPC-101M31	MPC-101M32	
<b>CPU</b>		CyrixMediaGX (MMXTM compatible)			
Frequency/Built-in cache memory		200MHz / 16KB			
memory	Main memory (RAM)	32MB			
	Additional memory (RAM)	32/64MB unit (SO-DIMM) Up to 96MB Expansion slot x 1			
	<b>ROM</b>	256KB (BIOS)			
	video ram	2.5MB (UMA)			
Hard disk (internal)		3.2GB	2.1GB	3.2GB	
Display function	Display device *1	6.7-inch HAST TFT color LCD display (with backlight)			
	resolution	SVGA (800 x 600 dots), 65536 colors			
Input device	keyboard	Integrated with main body (JIS standard layout alphanumeric/kana total 84 keys), 12 function keys (Fn key compatible), application keys - 15mm x 14mm pitch/1.5mm stroke			
	Touchpad (vertical x horizontal)	31x27mm (effective size)			
sound function		Speaker (built-in monaural)			
		Headphones (stereo mini jack)			
		Microphone (monaural built-in)			
		PCM (Sound Blaster 16 equivalent) sound source			
Interface	Built-in main unit	USB 1 channel			
		Infrared communication port IrDA1.1 compliant (data transfer rate 4Mbps, maximum 115.2kbps/ASK)			
	communication port	Serial port	none	Yes (modular cable standard)	
	Port replicator *2 <small>When expanding</small>	USB X 1			
		External FDD dedicated x 1			
		Serial (D-SUB9 pin male) x1			
		Parallel (D-SUB25 pin female) x1			
Video (Mini D-SUB15 pin female) x1					
PS/2 X 1					
Built-in fax modem		none	none	56kbps (receiving) 1.44kbps (FAX)	
PC card slot		Type II 1 slot (Card Bus compatible)			

power management		Automatic or arbitrary setting possible		
clock function		clock battery backup		
Security		power on password		
supply	input (Battery pack is a consumable item)	AC adapter 16V (input AC100V, 50/60Hz)		
		Lithium ion battery (nominal 11.1V, 1500mA) (standard accessory)		
		Large capacity lithium ion battery (nominal 11.1V, 3000mA) *2		
	power consumption	Max 40W		
battery operating time battery	(Time varies depending on usage status and optional connections)	Approximately 3 hours when using standard battery pack, approximately 6 hours when using large capacity battery pack*2		
		Power on: Approximately 4 hours (approximately 8 hours when using large capacity battery pack) Power off: Approximately 2 hours (approximately 4 hours when using large capacity battery pack)		
External dimensions (with standard battery installed)		210 (width) x 132 (depth) x 25.4 (height) mm		
Mass (with standard battery installed)		Approximately 645g	Approximately 625g	Approximately 645g
External dimensions (standard battery pack)		206 (width) x 27 (depth) x 22 (height) mm		
Mass (standard battery pack)		170g		
Operating environment conditions		Temperature: 5~35°C Humidity: 30~80% (no condensation)		
Standard software		Microsoft Windows 98, Tran-P Album (infrared) Sensiva Pro (gesture), QV-LINK, LANA Lite-S (communication karaoke), Nifty Manager, system management tool		

\*1 Although FIVA's TFT LCD display is made using extremely advanced technology, uneven brightness and minute spots may appear. Also, some dots may be off or always on, but this is not a malfunction.

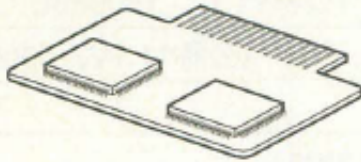
\*2 Port replicator and large capacity battery pack are sold separately.

We would like to introduce convenient "sold separately" items that can be used with the FIVA MPC-101 series. Please feel free to make use of it.

additional memory

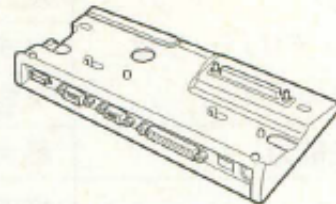
(Product number: MPC-151RAM) 32MB

(Product number: MPC-152RAM) 64MB



port replicator

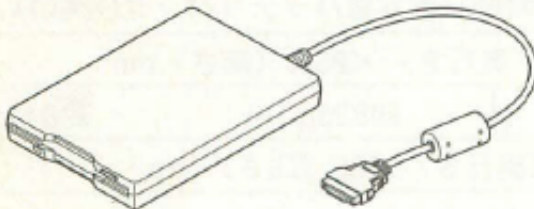
(Product number: MPC-160PR)



Various peripheral devices can be added.

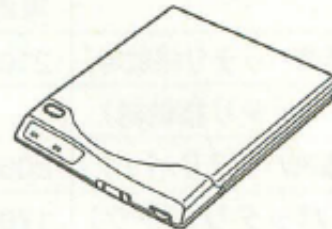
floppy disk drive

(Product number: MPC-140FDD)



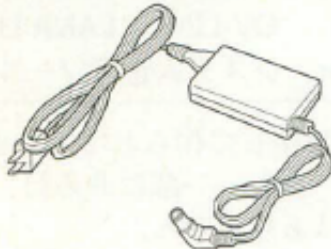
CD-ROM drive

(Product number: MPC-141CDD)



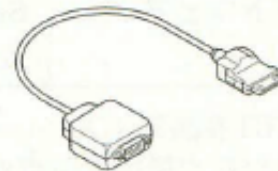
AC adapter

(Product number: MPC-177ADP)



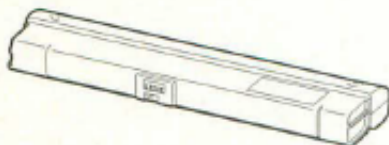
serial conversion adapter

(Product number: MPC-180RSC)



large capacity battery pack

(Product number: MPC-174LBAT)



battery pack

(Product number: MPC-173BAT)



index

A~Z, numbers

AC adapter ..... 3,4,28,29

AP launch toolbar ..... 77,78,79

**BAT-LED**..... 18,45

**BIOS**..... 82,109

    CAB file ..... 137

CD-ROM ..... 11,109

COM port ..... 85,86

CPU speed ..... 81

fax modem ..... 51

FD connector ..... 19

Ir Tran-P ..... 94

MS-IME98. .... 22,24

**Num Lock**..... 23

PC card ..... 51,56

PS/2 connector ..... 19,66

**PW-LED**..... 18,44

SCSI equipment. .... 56

    Sensiva Pro. .... 89

USB connector ..... 19,55,66

**Windows 98**..... 33,119

a

album ..... 94

Safety precautions ..... 1

    indicator lamp, ..... 18

    wizard ..... 36

    virus ..... 8,9

    economy mode ..... 71

    edge motion ..... 26

音量 ..... 47,48

mesquite

external display ..... 63

expansion connector ..... 19

Wallpaper and screen design. .... 129

    keyboard.. ..... 18,20

Luminance... ..... 48

startup disk ..... 117,138

click..... 26

When you are in trouble ..... 97

Control button... ..... 18,25

others

Re-setup, ..... 8

thumb pad ..... 18,25,26,89

    gesture ..... 18,25,89

System management toolbar. .... 67,77

Charging method. .... 28

consumables ..... 11

    serial connector ..... 19

    symbol, ..... 89,90,91

    scandisk ..... 114

    Start menu ..... 41,42

    stand-by ..... 22,39,42,77

    speaker ..... 47

infrared communication ..... 51,52

additional memory ..... 51,58

Ta

large capacity battery pack ..... 46

toolbar ..... 67

Switch toolbar. .... 77

communication port .....	51
digital camera .....	54
electrical plug .....	3,4
power off .....	39,41
Drag and drop... ..	26,78

## Na

Japanese input .....	22,24
Normal mode .....	71

## teeth

Partition settings .....	111
Discard .....	11
Hypanation .....	22,39,42,43,45,77
password .....	36,87
Battery level.. ..	44,75
battery pack .....	5,27,44
Battery deterioration rate .....	46,75
battery report .....	46,75
parallel connector .....	19,66
power management .....	70,71
Product key .....	33,35,120
floppy disk, .....	10,62
headphone .....	7,18
port replicator, .....	19,60
hotkey .....	47

## Ma

microphone .....	18
Mobile cockpit.... ..	45,47,67,68,70

## Ya~n

User information.... ..	33,34
-------------------------	-------

User configuration mode, .....	71
recovery .....	109
reset switch .....	19
lid switch .....	18

## FIVA101 Instruction Manual

First edition November 1998

2nd edition December 1998

Published by Casio Computer Co., Ltd.

System Division

2-229 Sakuragaoka, Higashiyamato City, Tokyo 207-8501

### Notes regarding the instruction manual

- Unauthorized reproduction of part or all of the contents of this book is prohibited.
- The contents of this document are subject to change without prior notice.
- Although we have prepared this manual with the utmost care, if you have any questions, errors, or omissions, please contact your retailer.
- We will replace any incorrect or missing pages.

©1998 Casio Computer Co., Ltd. All rights reserved.

**CASIO**  
MPF0100198-07



CASSIOPEIA

7172



2 Use of paper

We use 100% recycled paper with the Eco Mark.

Casio Computer Co., Ltd.