VisionPlate™
Model 60

USER MANUAL

HITACHI

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Section 1. Health and Safety

1-1 Health and Safety Information

• Introduction

Your product is designed to operate safely when used according to reasonable safety practices. The guidelines outlined in this booklet explain potential risks associated with product operation and identify important safety practices designed to help you minimize these risks and avoid injury to you and your product. If you have additional questions about your product and how to operate it in a safe manner, please contact your Hitachi Customer Service and Support Representative.

Tips for Healthy Operation

Your product is designed for the mobile user's needs. It is compact, light-weight, and extremely portable. Since it is intended for frequent use in the field, it is conceivable that the product may have to operate in an environment where lighting conditions are poor, where viewing angles and distances from the screen are inconvenient, where seating conditions may adversely affect arm and wrist positions, and where adequate neck and back support is lacking.

Some studies suggest that prolonged periods of tapping, typing, improper workstation set-up, incorrect work habits, personal health problems, and age may be linked to injuries such as carpal tunnel syndrome, tendinitis, and eye strain.

Warning signs of these conditions include:

- Aching in the hands, wrists, arms, or neck
- Soreness
- Burning sensations
- Throbbing
- Tingling
- Numbness
- Blurred vision and persistent headaches

Please Keep in Mind

- If you are experiencing any of the above symptoms or similar pain, you should immediately consult your physician.
- The information contained in this booklet is not meant to be construed as medical advice.
- Users should schedule regular medical and visual check-ups with their healthcare providers.
- If your product is your primary product at a fixed workplace, it may be more comfortable to use an external mouse, an external keyboard, and other such devices.
- To avoid eye strain and physical discomfort, the following guidelines should always be followed.

• Vision Risk Factors

Sustained viewing of screens could lead to fatigue, blurred or double vision, and headaches. Some researchers believe that users who fixate on their screens for long durations can even undergo changes in how clearly and quickly they focus.

Tips to Keep in Mind

- Maintain a desirable viewing angle of 20 to 35 degrees downward to the LCD screen's center.
- Place the display at a comfortable viewing distance, usually about 20 to 24 inches.
- Adjust the product slightly during the work session from time to time in order to change the focal distance to the LCD.
- Always locate the LCD directly in front of you.
- Always adjust the brightness and contrast controls to maximize the character and image quality on the LCD.
- Take frequent, short breaks, with stretching or exercise.
- Shift your position often.
- Select light sources that are located outside the peripheral field of vision in order to minimize direct and reflected glare.
- Always use indirect lighting whenever possible to avoid reflective bright spots on the LCD.

• Hand and Wrist Motor Risk Factors

Keying, using the mouse, using touch panel, writing, and grasping and handling paperwork might put strain on the hand's fine motor functions that could lead to pain, swelling, and numbness that persists in the affected area even when it is at rest.

Tips to Keep in Mind

- Avoid sustained repetition without breaks. Take micro breaks throughout the operating session, including exercises.
- Avoid sitting in one position for long periods of time.
- Be aware that working in an awkward position could cause discomfort or stress to the back, neck or shoulders.
- Learn to fidget creatively by stretching, changing posture, and alternating between sitting and standing.
- When typing or tapping, ensure a neutral or straight wrist position by aligning the chair, work surface, and the product.
- Adjust chair height so that the feet rest comfortably on the floor with thighs parallel to the floor.

• Body Support Risk Factors

Prolonged sitting while at the product could lead to stress in the lower back and increased pressure on the backbone's discs.
Chairs might also apply local pressure on the backs of legs, cutting off blood flow to muscles.

Tips to Keep in Mind
- Make sure your workspace allows free movement.
- Change positions while performing tasks.
- Work in a chair that allows adjustment of both the seat height and tilt.
- Chairs with adjustable armrests and backrests can better support the upper body and reduce pressure on the spine.

• Product

If repair or adjustment for your Hitachi Data Systems product is necessary, contact an authorized Hitachi Customer Service and Support Representative.

Tips to Keep in Mind
- Never remove the cover or back panel of your Hitachi Data Systems product except as may be specifically instructed by a Hitachi Customer Service and Support representative.
- Removing the cover or back panel in an unauthorized manner could result in the risk of electric shock.
- Never disassemble your Hitachi Data Systems product and its electrical components, as doing so could possibly cause short circuits or breakage that might damage the product.

• Main Battery Pack

Use only the battery pack supplied with your Hitachi Data Systems product.
Always turn off the power before replacing a battery pack.
Creating a short circuit in the main battery pack could cause a fire that might result in personal injury.
Causing the batteries to leak or disposing of them in an improper manner might also pose a health hazard.
Always dispose of batteries in accordance with the laws of your local community.

Tips to Keep in Mind

- Never accidentally or intentionally bring the terminals in contact with another metal object.
- Never subject the battery pack to heat or disassemble it.
- Never put the battery pack into a fire.
- Dispose of battery packs in accordance with the prevailing community regulations that apply to the disposal of batteries.
- When disposing of the battery pack, cover the metal terminals with a nonconducting tape in order to prevent accidental short circuiting.
- Use only the battery pack supplied with the Hitachi Data Systems product, as other battery packs have specifications that may be incompatible with the Hitachi Data Systems product and may cause damage to the product.
- Charge the battery pack only in the product or the battery charger designated as an approved accessory.

• Power Cord

Never use damaged or worn power cords or plugs, which could result in electric shock, burns, or fire.

Tips to Keep in Mind

- When removing the plug from a socket, never bend or twist the power cord.
- Never place heavy objects on a power cord, which could result in damage.
- To avoid causing the cord damage, always grasp the plug directly when unplugging a power cord.
- To obtain suitable replacements, contact your Hitachi Customer Service and Support Representative.

• AC Adapter

Using any power source other than the Hitachi Data Systems product AC adapter or power cord that comes with your product might result in exposure to electric shock hazards.

Tips to Keep in Mind
- Never attempt to disassemble or repair an AC adapter.
- To protect the unit from possible damage caused by a power surge, use a surge protector.
- Always contact an authorized Hitachi Customer Service and Support representative if repair or replacement is required.

Restrictions for AC adapter
- Use AC adapter and battery pack shipped with the unit.
- There is a risk of damage, injury or fire using different ones with inappropriate voltage, different maximum output current and polarity.
- When plugging in or unplugging the power supply cord, always do so by holding the connector and not the cord. Be sure to plug in completely.
- Connect only specified products.
- Do not drop or apply excessive shock to AC adapter and battery.
- Do not disassemble AC adapter and battery.

NOTE: It may not be appropriate to use your AC power adapter in certain mobile operating situations, such as during an airplane flight. Please remember that each airline company has its own safety policies, rules and regulations regarding the use of electronic devices during flights, including these products. On flights that allow the use of these products, check with the Flight Attendant to confirm the time periods when products are allowed to operate and before using the in-flight power adapter.

• Liquid Crystal Display (LCD)

If the product's LCD is damaged, the liquid contained within the display may leak.
Any ingestion of this liquid may result in serious bodily injury or illness.

Tips to Keep in Mind
- Never apply force to the LCD and surrounding screen by pushing or squeezing it.
- If the LCD leaks and accidentally comes in contact with any part of your body, use large amounts of water and immediately wash off the liquid.
- Wash any clothes that have come into contact with LCD leakage immediately with a synthetic detergent.
- For instructions on the safe disposal and replacement of a damaged LCD, contact an authorized Hitachi Customer Service and Support representative.

• Proper Treatment of Your Hitachi Product

Allowing any metal objects such as screws or paper clips to fall into the unit could risk causing a short circuit, fire, or other internal damage.
To avoid serious damage, never allow any liquids to spill into any part of your Hitachi product and never expose the product to rain or other liquids with peripheral covers opened.

Tips to Keep in Mind

- Should any metal object fall into the unit, immediately turn off the power, unplug the power cord, and contact Hitachi Customer Service and Support representative for assistance.
- Should the unit with peripheral covers opened come into contact with rain or with water, turn it off immediately and contact Hitachi Customer Service and Support representative for assistance before attempting to use the product again.
- To avoid the potential of interfering with any airborne electronic navigation equipment, never operate the Hitachi product in any aircraft, unless an authorized airline representative has specifically granted permission.
- To prevent a potential malfunction or equipment damage, never place the product on top of or near a heating device; never expose it to prolonged direct sunlight; and never store it in an unventilated vehicle.
- During lighting storms, always unplug the power cord to protect the unit from possible damage caused by a power surge.
- If the product suffers damage from being dropped or sharply struck, or if it emits an uncharacteristic odor or excessive heat, immediately unplug the power cord and shut off the unit.
- Contact an authorized Hitachi Customer Service and Support representative for assistance.
- To prevent the possible occurrence of harmful internal condensation, always make sure that the product has been allowed to warm up to room temperature after it has been exposed to cold temperatures.
- Although the unit has been designed for commercial environments, excessive dust, dirt, or moisture may cause possible damage to the unit's internal components.

1-2 Safety and Regulatory Information

• FCC Part 15 Compliance Statement

NOTE: This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC Rules
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
If FCC label is not present, the unit is not approved.
This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that the interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the User is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult your dealer or an experienced radio/TV technician for help.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the User's authority to operate the equipment. If FCC label is not present, the unit is not approved.

NOTE: This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT: This product requires the use of shielded cables and connectors.
The use of non-shielded interfaced cables is prohibited.

• Canadian EMI Compliance Statement

"This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations."
"Cet appareil numerique de la class B respecte toutes les exigences du Reglement sur le materiel brouilleur du Canada."

• FCC Warning

WARNING-FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the User's authority to operate this equipment.
Properly shielded and grounded cables and connectors must be used for connection to boot computer and/or peripherals in order to meet FCC emission limits.
This transmitter must not be co-located with any other transmitters or antennas.

• UL1604 Compliance Statement

The VisionPlate has been investigated by Underwriters Laboratories for use in Class I, Division 2, Group A, B, C and D; Hazardous Locations. At the back of the VisionPlate, the following label indicates that the unit is listed with UL.

If this label is not present, the unit is not approved for use in Hazardous Locations. The following instructions apply when using the UL-listed model in Class I, Division 2, Group A, B, C and D Hazardous Locations.

- Warning: Do not connect or disconnect all connectors unless area is known to be nonhazardous.
- The VisionPlate's AC adapter and cradle are not listed for use in Class I, Division 2, Group A, B, C and D Hazardous Locations.
- Use only Hitachi battery pack parts no PC-AB5900 or PC-AB5910.
- Do not insert or remove battery pack unless area is known to be nonhazardous.
- Do not disassemble the VisionPlate or modify it in any way.

LISTED
10HP
Data Processing Equipment
For use in
Hazardous Location:
Class 1 Division 2
Group A, B, C & D
Caution: Use only Batt. Pack (Li-ion) Model: PC-AB5900 or PC-AB5910 by Hitachi Ltd.

• General Safety

- Follow all cautions and instructions marked on the product.
- Make sure the operating voltage of your product is the same as the voltage of your local power supply. Otherwise, there is a damage of electrical shock or fire. If voltage adaptation is required, consult your place of purchase.
- Be sure to use only the specified batteries to prevent battery explosion, battery leaks, fire, and injury.
- Whenever you detect any abnormal heat, smoke, noise or smell when using the machine, stop operating the machine immediately, turn it off, and disconnect the power cord. If you continue to operate the machine under such conditions, there is a danger of electrical shock or fire.
- If lightning occurs while using the product, turn off the product. It is safe to use the product on battery mode, as long as the product is grounded.
- Except as described elsewhere in this manual, refer all servicing to qualified personnel.
- Immediately shut off the product and refer for servicing under the following conditions:
    - When the power cord or plug is damaged or frayed;
    - If liquid has been spilled into the product;
    - If the product has been dropped or the casing has been damaged.
- Arrange the electrical cords so that you do not trip over them. Failure to do so may result in personal injury and damage to the connected equipment.
- Never push any objects of any kind into cabinet openings. They may touch dangerous voltage points or short parts that could result in fire or electrical shock.
- Turn off the product and disconnect the AC adapter before cleaning.
- Do not expose the product to direct sunlight.
- Keep the product away from any magnetic devices or TVs.
- Do not drop the product.
- Keep all liquids away from the product and its accessories with peripheral covers opened.
- Do not place containers with liquids or small metal objects such as pins or paper clips into the machine. If any liquid or solid falls into the machine, and you continue to use it, there is a danger of electrical shock, fire, or malfunction.
- Do not use the machine for any purpose other than for which it was intended. Such use may cause a malfunction or personal injury.
- Be sure to use the AC adapter supplied with the product. If you use a different adapter, there is a danger of electrical shock, fire, or malfunction.
- Do not place an object on the power cord. Do not pull, press, bend, or rework the power cord, otherwise, there is a danger of electrical shock, fire, or malfunction.
- To disconnect the cord from the wall outlet, pull it out by the plug. Never pull on the cord itself. Pulling on the cord may cause a line to break and result in a fire.

• Battery Safety

- Be sure to replace the battery correctly. There is a risk of explosion if the battery is replaced incorrectly.
- Replace battery only with the same or equivalent type recommended by the manufacturer.
- Be sure to dispose of replaced batteries in accordance with the laws and regulations of your local community. Incorrect handling of a battery can cause a fire or explosion when exposed to heat.
- Never disassemble a battery.
- Keep batteries out of the reach of children so that they do not accidentally swallow a battery. If such a mishap occurs, contact a physician immediately.
- Never allow the batteries to heat up to 60 degrees Celsius (140 degrees Fahrenheit) or more.
- Never burn the batteries or soak them in water.

Caution: Danger of explosion if battery is incorrectly replaced. Replace only with the same type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instruction.

• Operation Safety

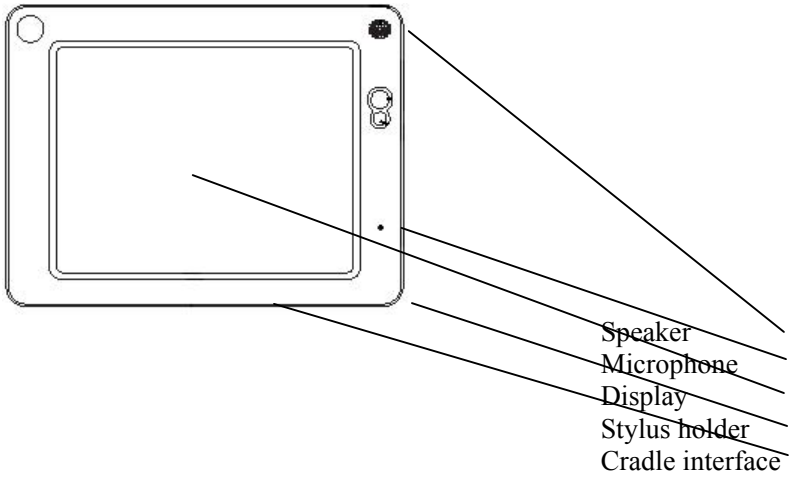
- Adjust the angle of the display so that you look down slightly at the display. The distance between your eyes and the display should be 50 to 60 cm (20 to 24 inches).
- Adjust the brightness of your display and room lighting so as to prevent any reflection on the display.
- Avoid exhaustion by taking frequent breaks.

Section 2. Getting Started With Your VisionPlate

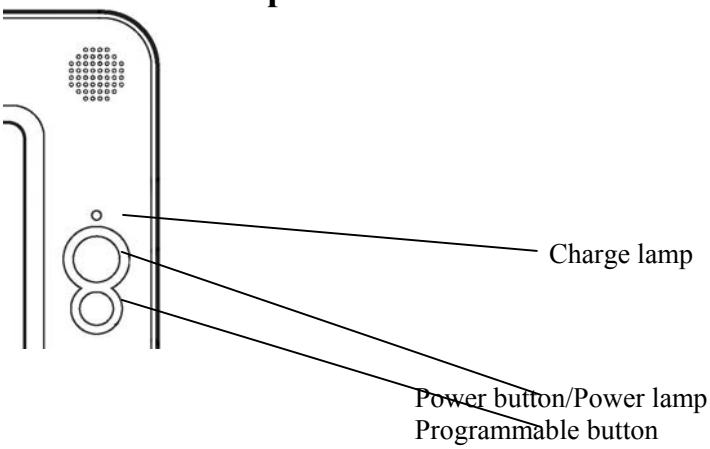
Thank you and congratulations on the purchase of your Hitachi VisionPlate Internet Appliance. This section describes how to set up and power on/off your VisionPlate.

2-1 Identifying Components

• Overview



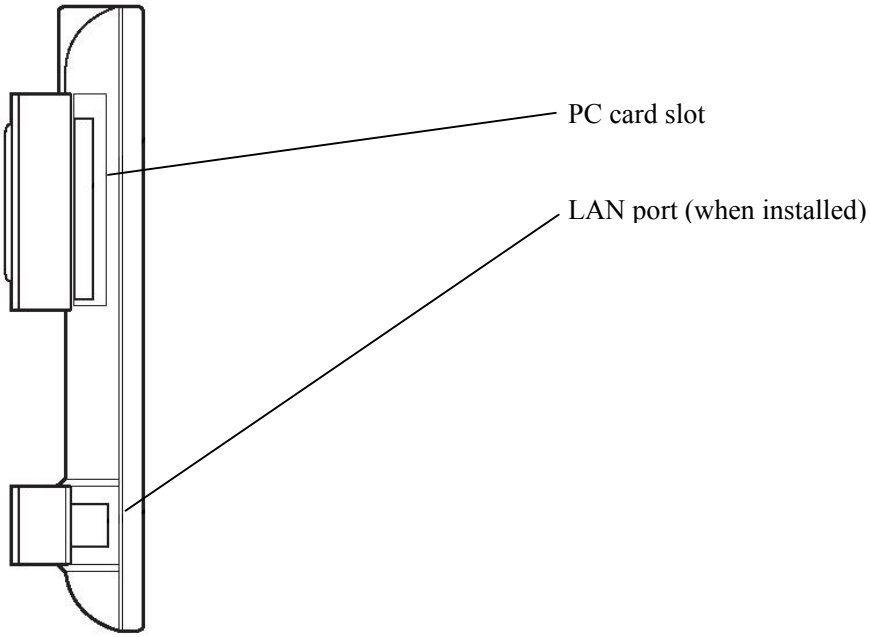
• Buttons and Lamps



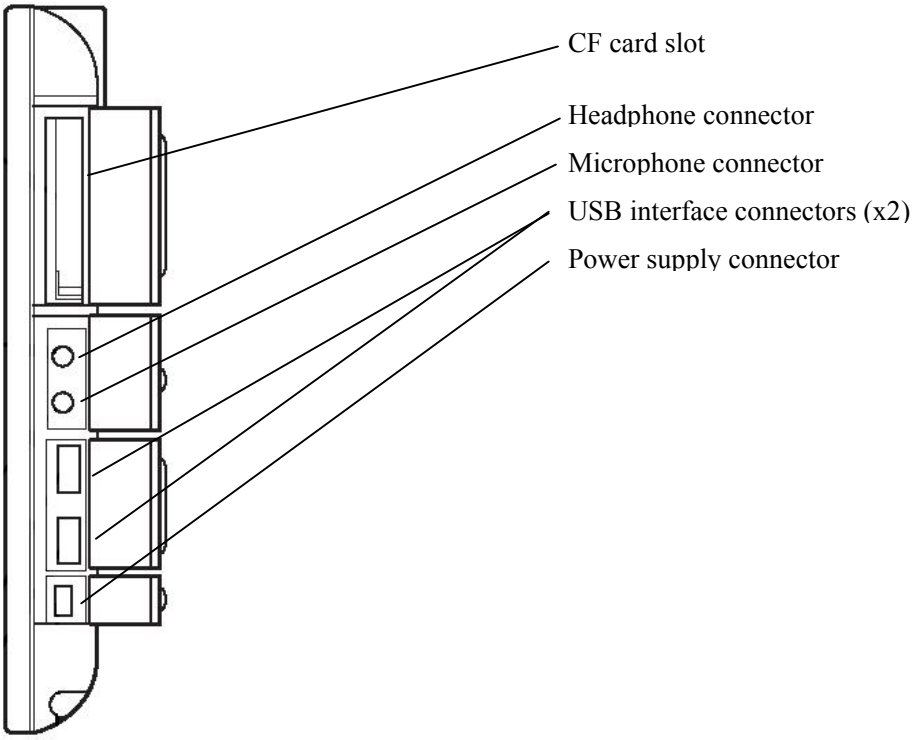
The meaning of charge lamp indicators is described below.

	State	Meaning
Charge Lamp	Solid Orange	Charging battery
	Solid Green	Charged battery
	Blinking Red	Low battery
	Off	Sufficient charge
Power Button/Power Lamp	Solid Green	In operation
	Blinking Green	Power saving mode

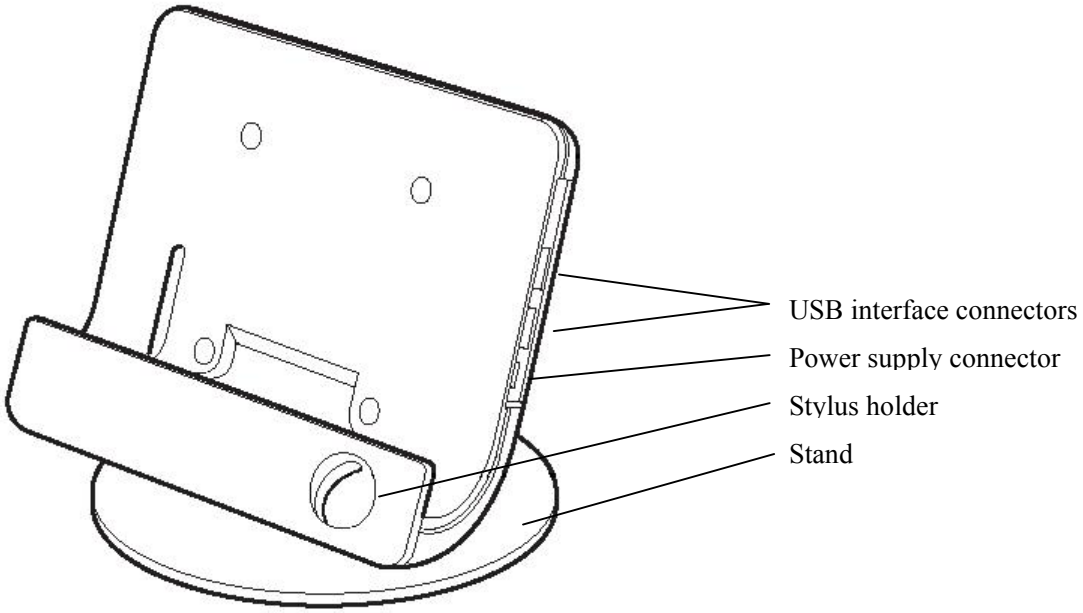
• Left Side Connectors



• Right Side Connectors



• **Cradle (optional)**

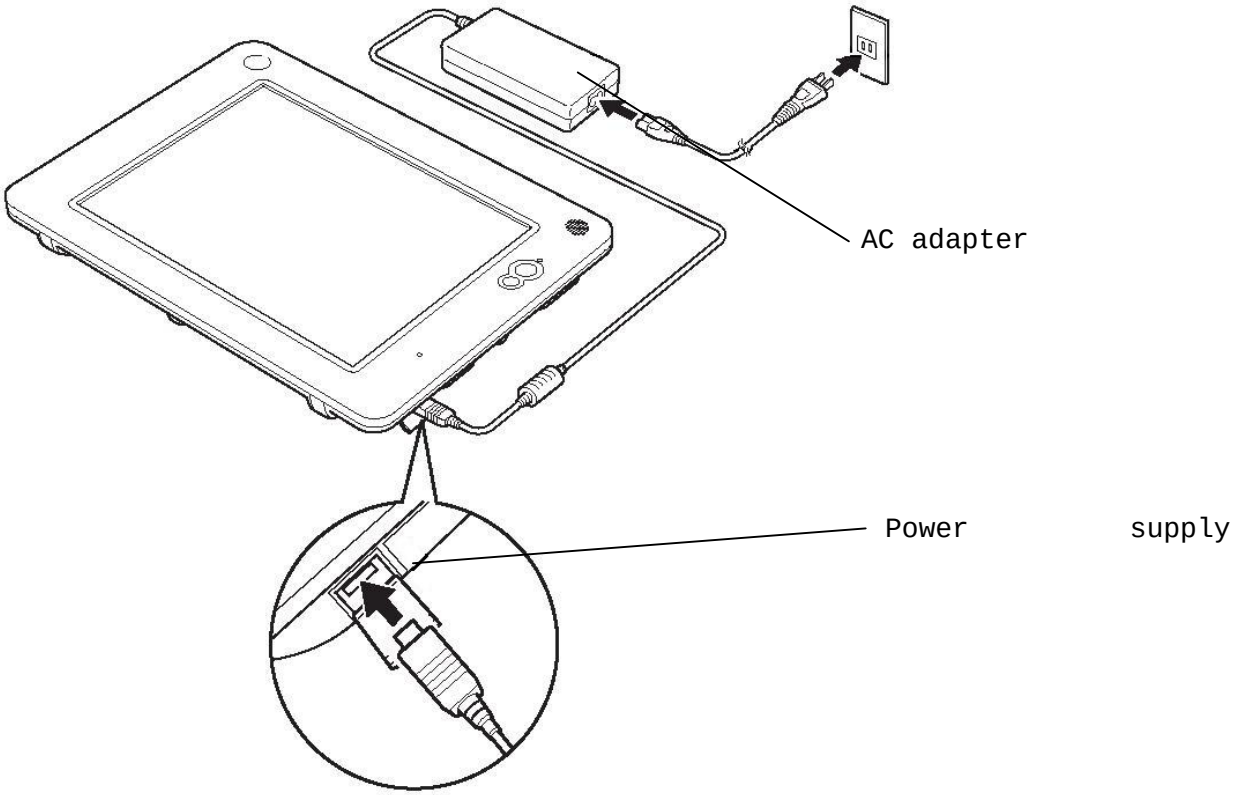


2-2 Setup

The VisionPlate can be plugged directly into an outlet (see Direct-to-outlet Connection), as a desktop device operated through the optional cradle (see Desktop Use), or as a mobile unit through battery operation and wireless connectivity (see Mobile Use).

• Direct-to-outlet Connection

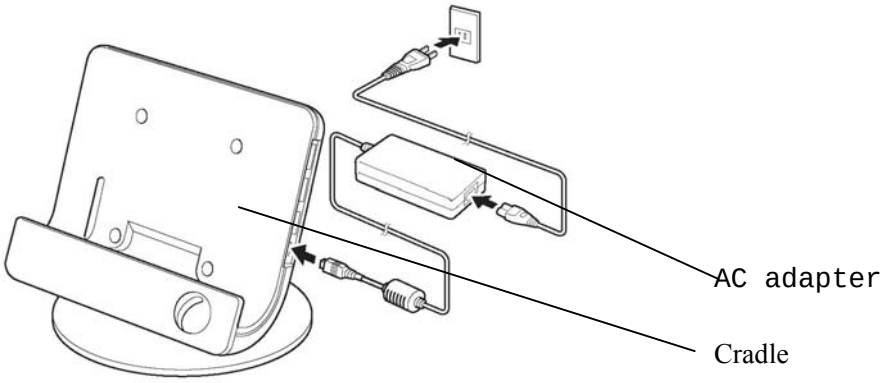
Plug the AC adapter into the Power supply connector which is located on the right side of VisionPlate, with the directional arrow mark (↑) facing down.



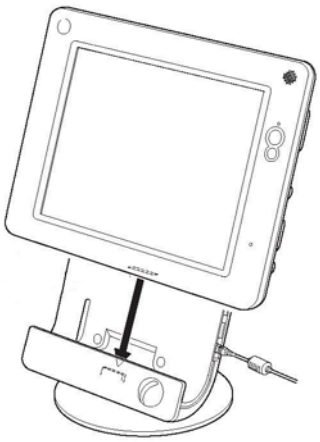
• Desktop Use (with optional cradle)

Your VisionPlate can be used with the optional cradle.
The AC adapter, a USB keyboard, and a USB mouse can be connected directly to the cradle.

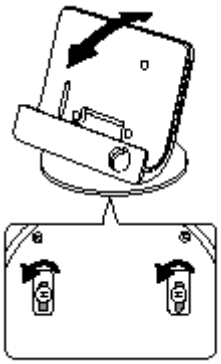
1. Plug the AC into the Power supply connector of the Cradle adapter, with the directional arrow mark (↑) facing away from you.



2. Open the Cradle interface cover (bottom of VisionPlate), and assure that it extends downward from the VisionPlate so as not to interfere with the docking connector and slide your VisionPlate into the Cradle.



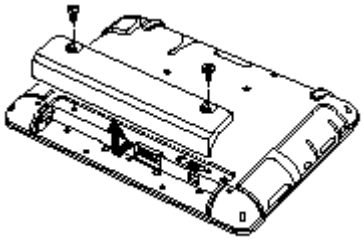
3. The angle of the cradle can be adjusted by loosening two screws on the bottom of the stand.



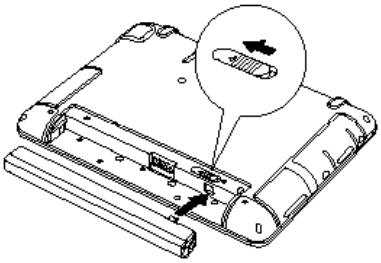
• Mobile Use

The VisionPlate comes with a lithium ion battery pack that can be used for mobile applications. When your VisionPlate is turned on with battery for the first time, an AC adapter must be plugged in to charge the battery.

1. Remove the two screws on the backside, and remove the battery cover.

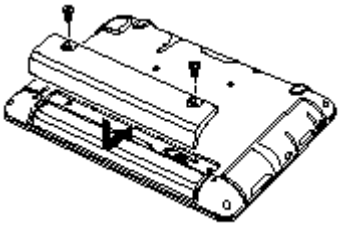


2. Insert the battery into the VisionPlate.



[Tip]
When you remove the battery, slide the lock according directional arrow.

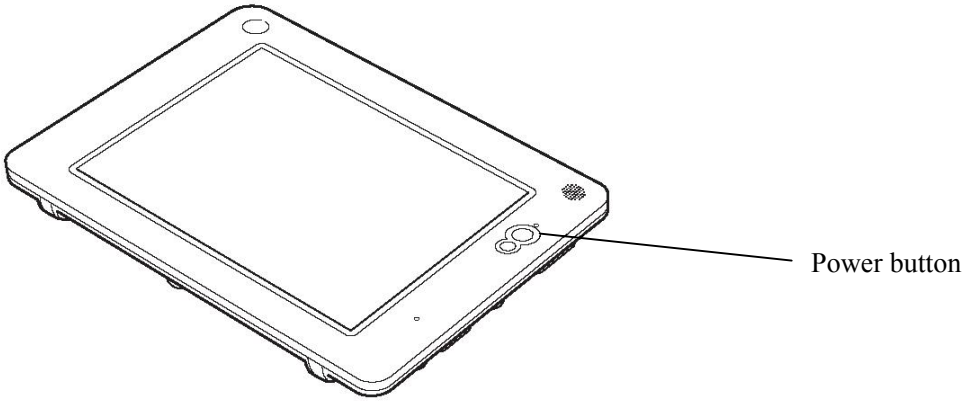
3. Replace the battery cover, and then fasten the screws.



2-3 Powering On and Off The Unit

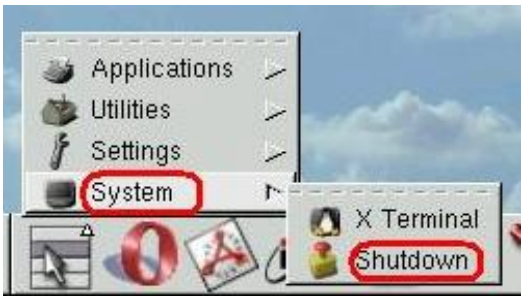
• Powering On the Unit

Push the Power button to turn on the unit.



• Powering Off the Unit

Tap [System] - [Shutdown] to turn off the unit. To force a power off, push and hold the Power button for four seconds.



[Important]
Unplug the AC cord when your VisonPlate is not used for extended period of time.

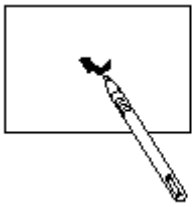
NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

Section 3. Using Your VisionPlate

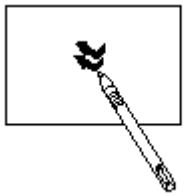
3-1 Using the Stylus

The stylus is used to operate the VisionPlate instead of a mouse.
There are three basic actions, which are described below.

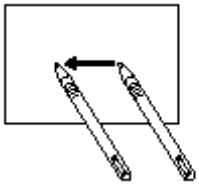
- Single tap: Single tapping involves touching the screen softly with the stylus. This action is the same as a left click of the mouse, and is used to select an item.



- Double tap: Double tapping involves touching the screen softly twice in rapid succession with a stylus pen. This action is the same as a left double click of the mouse and is used to open an item.



- Drag/Drag and Drop: Dragging involves touching the screen with the stylus, and moving the stylus on the screen surface while the pen is still touching the screen. Drag and Drop involves selecting an object by touching the screen with the stylus and then lifting the stylus after moving the object to another location.

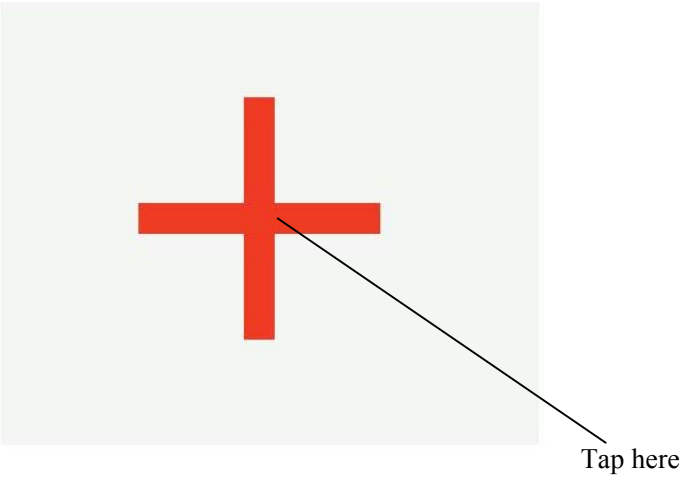


[Caution]
The stylus supplied with your VisionPlate is designed for your screen.
Use of another pointer could damage your screen.

3-2 Touchscreen Calibration

1.Tap [Settings] - [Calibration].

2. A cross mark will appear on the screen. Tap the center of the cross. Repeat one more time after the cross mark moves from the top left of the screen to the bottom right of the screen.

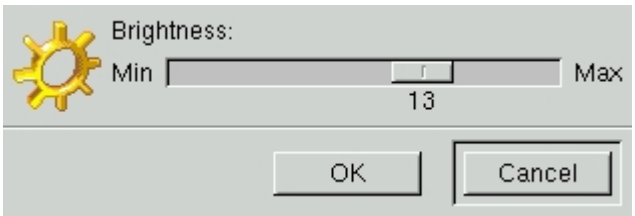


NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

3-3 Adjusting Brightness

1.Tap [Settings]-[Brightness]

2.Move slide bar to adjust brightness.



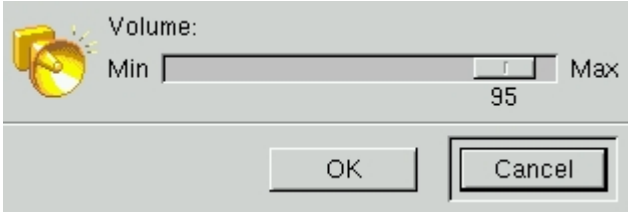
3.Tap OK button.

NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

3-4 Adjusting Volume

1.Tap [Settings]-[Volume]

2.Move slide bar to adjust volume.



3.Tap OK button.

NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

3-5 Battery Pack

This section describes how to use the battery pack.

• Charging the Battery Pack

Your VisionPlate comes with a lithium ion battery pack, which is not fully charged. You must fully charge the battery before you use your VisionPlate. The battery is charged by attaching a battery pack to your VisionPlate, connecting the AC adapter to the VisionPlate, and then plugging the AC adapter into an electrical outlet.

• The Charge Lamp

The charge lamp has four modes, which describe different states of the battery:
1. Orange: The battery is being charged.
2. Green: The battery has finished charging and is fully charged.
3. Off: The battery is in use, and there is sufficient charge.
4. Blinking red: The battery is in use and there is low charge.

• Battery Charging Time

Battery charging time as follows:
- S size battery (1700mAh): approximately 2.5 to 3.5 hours.
- L size battery (3400mAh): approximately 4.5 to 5.5 hours.

NOTE: The charging time varies with the environment, number and type of peripheral connections, and the age of the battery.

[Important]
Batteries that are fully discharged or that have been unused for long period of time will require a longer time to charge.

• Battery Life

Battery life is approximately 3 hours with the S size battery and 6 hours with L size battery. Battery life varies with the environment in which the unit is used and stored, the peripheral connection state of the unit, and age of the battery. Battery life can be extended by turning off the unit, putting the unit in suspend mode when not in use, or by adjusting the screen to lower brightness.
Under test conditions, the standard battery lasts approximately 2.5 hours when actively using 802.11b wireless connectivity and using an active application. The extended life battery will double the battery charge life. Suspend mode and turning off applications or wireless connections will result in an even longer battery charge life between charges.

You can check remaining battery life by tapping tool icon -[POWER Supply].

NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

• Battery Maintenance

To maintain your batteries properly, keep the following in mind:

- The battery will slowly discharge if attached to a VisionPlate without an AC adapter for an extended period of time. A fully discharged battery will take a longer time to start charging and may have reduced battery capacity.

- The battery will slowly lose its charge even when the VisionPlate is turned off. Check its remaining battery life by tapping tool icon -[POWER Supply] and recharge if it is under 15 percent. Charge the battery periodically at least once per month, even though the unit may not be used during this time.

- The battery may have shorter usable time when it is first charged or after a long period of non-use. Charging and discharging the battery several times should recover battery functionality.

- Store the battery in a cool dry place.

- Replace the battery when it no longer provides normal operating time.

- Allow your battery to discharge completely at least once a month in order to prolong the battery life.

NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

• General Precautions

- Do not short circuit the plus (+) and minus (–) terminals of the battery.

- Never allow the battery to heat up to more than 60 degrees Celsius (140 degrees Fahrenheit).

- Do not drop the battery.

- Avoid any shock to the battery.

- Do not wipe the metal parts of the battery with a wet cloth.

- Do not soak the battery in water or touch with wet hands.

- Never disassemble a battery.

- Do not expose the batteries to direct sunlight.

- Replace the battery only with the same or equivalent type recommended by Hitachi.

- Do not touch leaking batteries with bare hands. Wash your hands with running water if you touch battery fluid.

- Dispose of batteries in accordance with applicable local laws, ordinances and regulations.

• Entering Power Saving Mode

The Power button and Time-out function can be used to prolong battery life.

Power button
If the Power button is pressed and released after one second, your VisionPlate will enter one of three power modes.
[Enter Low Power Mode]:
Your VisionPlate will enter Low Power Mode.
When in Low Power Mode, the green lamp will blink.
[Power OFF]:
Your VisonPlate will shut down.
[Prompt User for Confirmation]:
Your VisonPlate will display a popup menu, providing the user with option of entering Low Power Mode, Power OFF or dismissing. This mode is the factory default setting.

The mode can be chosen by the following actions:

1. Tap tool icon.
2. Tap [Power Supply] tab, and then push [Modify].
3. In the [Power Button Mode Action], select one of three modes.
4. Tap [OK]. If Backlight power off is not selected, Low Power Mode is disabled.

Time-out
The VisionPlate is set to enter Power saving mode after 20 minutes of non-use.
This time-out period can be modified as follows:

1. Tap tool icon.
2. Tap [Power Supply] tab, and then push [Modify].
3. In the [Power Saving Mode Action], select [Backlight Power Off] and define Timeout.
4. Tap [OK]. If Backlight power off is not selected, Low Power Mode is disabled.

NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

• Exiting Power saving mode

To exit Power saving mode, tap the screen.
If the Power button is programmed to [Power Off], the system will shut down.

NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

• Low Battery Notification

Your VisionPlate will notify you when your battery level is low.
There are three user selectable methods of notification.
[Audible Warning]:
The VisionPlate will beep when battery level is low until the AC adapter is connected.
[Popup Message]:
The VisionPlate will display popup message notifying low battery life.
[Power Off]:
No notification will provided. The VisionPlate will automatically shut down.

The notification method can be chosen by the following actions:

1. Tap tool icon.
2. Tap [Power Supply] tab, and then push [Modify].
3. In the [Low Battery Notification], select one of three methods of notification.
4. Tap [OK]

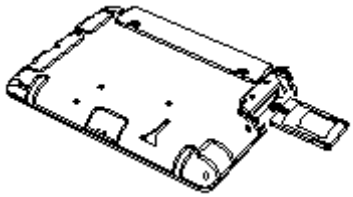
NOTE:
The steps shown above are for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

Section 4. Expandability

4-1 PC Cards

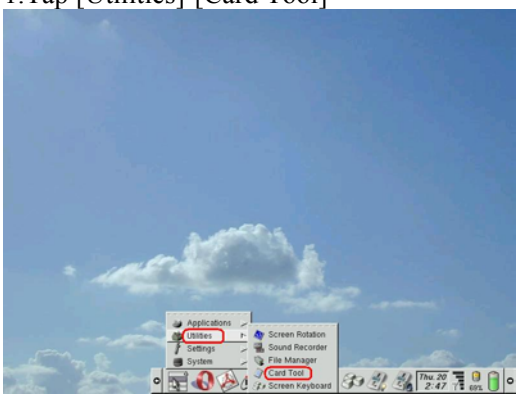
The VisionPlate supports one Type I or Type II PC card.

To install
1. Open the cover of the PC card slot.
2. Insert PC card into the slot.

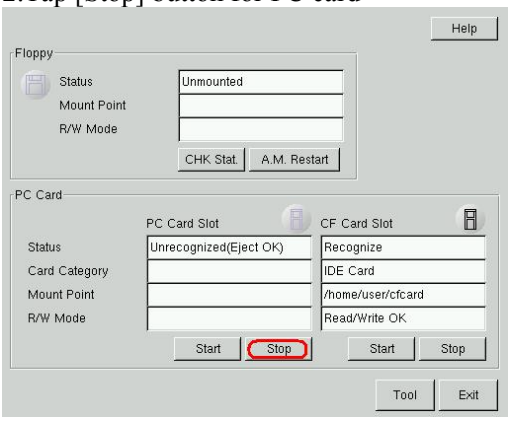


To remove
You can remove a PC card only when the card is in Stop status.
You may cause to damage to the PC card if you remove PC card while in use.

1.Tap [Utilities]-[Card Tool]

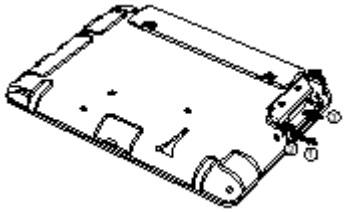


2.Tap [Stop] button for PC card



3.Tap [OK]

4.Open the cover of the PC card slot.
5.Push the eject button to remove the PC card



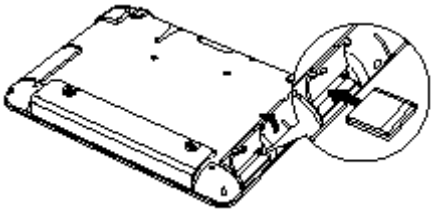
[Tip]
If it is difficult to remove PC card, push the PC card back in and then push the eject button again.

NOTE:
The step shown above is for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

4-2 CF Cards

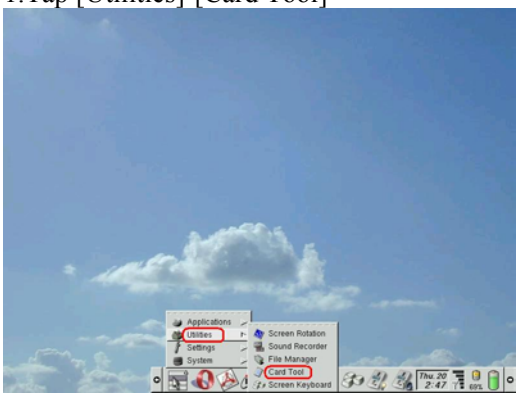
The VisionPlate supports one Type I or Type II CF card.

To install
1. Open the cover of the CF card slot.
2. Insert CF card into the slot.

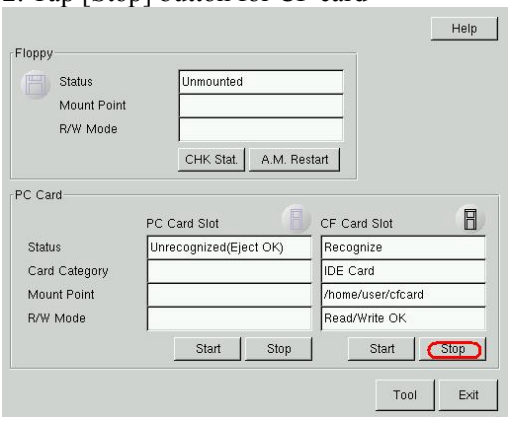


To remove
You can remove a CF card only when the card is in a status Stop status.
You may cause to damage to the PC card if you remove CF card while in use.

1.Tap [Utilities]-[Card Tool]

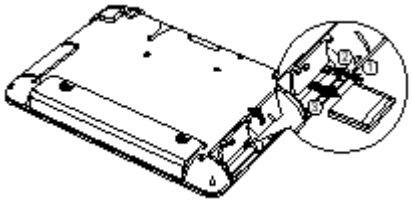


2. Tap [Stop] button for CF card



3.Tap [OK]

4.Open the cover of the CF card slot.
5.Push the eject button to remove the CF card

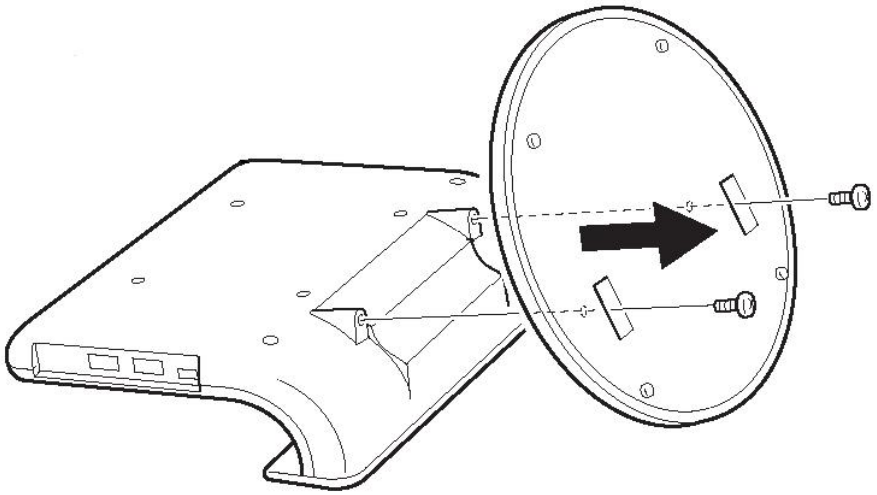


NOTE:
The step shown above is for the MIDORI Linux operating system.
Please refer to other operating system manuals for other operating systems.

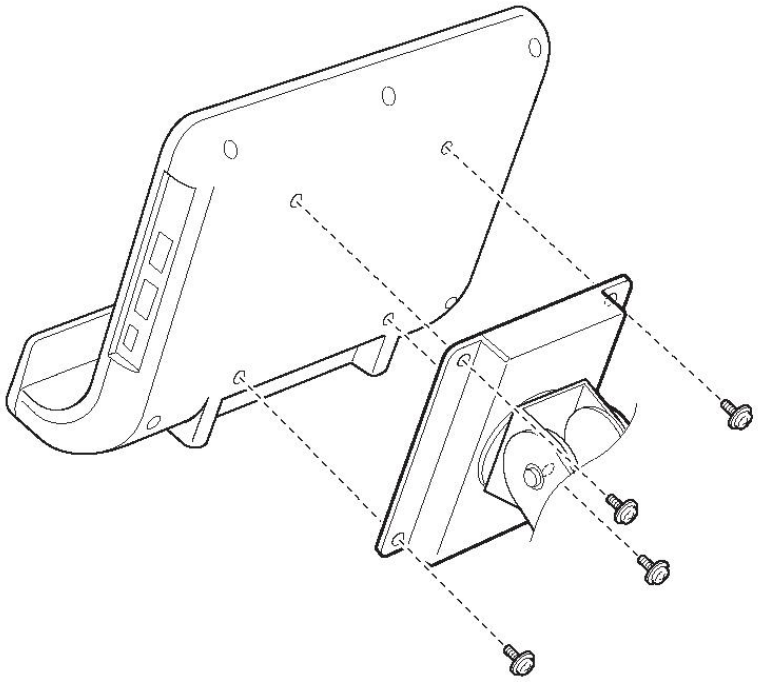
4-3 Attaching the Cradle to a VESA Compliant Flat Panel Mounting Stand

The Cradle can be attached to a Flat Panel Mounting Stand that is VESA compliant.

1. Remove the base of Cradle by removing the two screws as shown below.



2. Fasten the top portion of the Cradle to the mounting stand to the VESA compliant mounting stand as shown below.



Section 5. VisionPlate Trouble Shooting Tips

[Display]
• No display
- Check to see if the VisionPlate is in sleep mode. Touch the screen panel or push the Power button for one second.
- Make sure the AC cord and the AC adapter are plugged in properly.
• System hang
- Shut down the VisionPlate by pushing the Power button for at least four seconds. Then reconnect the AC adapter and battery pack, and reboot.

[Stylus]
• A gap exists between the cursor position and the tapped point
- Adjust touchscreen calibration by:
  1. Taping [Setting]-[Calibration]
  2. Taping the center of each + mark that appears on the screen.

[Power]
• The system does not boot up after pushing the power button.
- Check to see that the AC adapter and power cable are plugged in correctly.
- Make sure that there is power from the outlet.
- Check the battery connection.
• Short Battery Life.
- Repeat charging and discharging several times. If you still have the same results, the battery may be at the end of its life.

Specification of VisionPlate 60

CPU			Transmeta Crusoe™ Processor TM5500 667MHz
Cache Memory	Primary		128kB CPU Embedded
	Secondary		256kB CPU Embedded
Main Memory	Capacity		Standard 128MB, Max 256MB
Display	LCD		Transmissive 10.4" TFT, 800x600 (SVGA), 262144 color, Indoor viewable
	VRAM		2MB (Video Controller Embedded)
	Video Controller		SMI SM712
Touch Panel			Analog resistive type
File	CF		128 MB/512MB
Clock			Lithium battery backup (Five year life) Tolerance +/- 180s/month
Microphone			Mono
Speaker			Mono
Interface	Headphone		1 port
	Microphone		1 port
	USB		2 ports (Total maximum permissible current: 0.75A)
	Wired LAN *2		10BASE-T/100BASE-TX Auto Sense
	Wireless LAN *2		IEEE 802.11b compliant
Expansion Interface			1 port for Cradle
PC Card Slot			1 Slot for Type I, II (PCMCIA 2.1)
CF Card Slot			1 Slot for Type I, II CFA compliant
Battery	S size	Battery Pack	Lithium ion battery 11.1V 1700mAh
		Charge Time	Approximately 2.5 to 3.5 hours
		Battery Life *1	Up to 3.7 hours
	L size	Battery Pack	Lithium ion battery 11.1V 3400mAh
		Charge Time	Approximately 4.5 to 5.5 hours
		Battery Life *1	Up to 7.5 hours
AC Adapter	Frequency		50/60Hz
	Input Voltage		AC100V-240V
Consumption	Maximum		45W
	OS Idle		Approximately 11W
	Stand-by		Approximately 4W
Weight			2.84lb(1.35kg) with S size Battery
Dimensions			11.6"(W) x 8.8"(H) x 1.3"(D) (294mm x 223mm x 34mm)
Ambient Temperature	Operating		5 to 35°C (41 to 95°F)
	Non-Operating		-10 to 50°C (14 to 122 °F)
	In transit/stock		-10 to 60°C (14 to 140 °F)
Ambient Humidity	Operating		20 to 80% (No Condensation)
	Non-Operating		10 to 80% (No Condensation)
	In transit/stock		10 to 80% (No Condensation)
Vibration Resistance	Operating		4.9 m/s^2 (0.5 G)
Shock Resistance	Operating		98 m/s^2 (10 G)

*1 When OS idle with the lowest intensity of LCD.
*2 The product can be factory-configured to support either Wired LAN or Wireless LAN trough Mini PCI type III slot.

VisionPlate 60 User Manual

April 2003
Hitachi Data Systems
Internet Platform Business Unit
750 Central Expressway,
Santa Clara, CA 95050

V1.1