

Read this first!

- *Be sure to read this part of the User's Guide before doing anything else!* It includes important information that you need to know in order to use the PV-S250/PV-S450 (hereinafter referred to as the "PV Unit") correctly.
- You can find more detailed information about other PV Unit operations in "Chapter 14 – General Operations" on page 149 and "Chapter 16 – Technical Reference" on page 172.

Important!

Please keep this User's Guide and all information handy for future reference.

Note

The screen shots shown in this User's Guide may differ slightly from the displays actually produced by your PV Unit.

Make backup copies of important data!

Your PV Unit employs flash memory, which makes it possible to store large volumes of data and to recall data quickly and easily. Data is retained when power is turned off and even when batteries go dead, but it can be corrupted or lost entirely due to operational mistakes or malfunction. Data contents can also be corrupted or lost due to strong electrostatic charge, strong impact, or extremes in temperature and humidity. All of this means that you should always keep back-up copies of important data by transferring it to a personal computer or by writing it down somewhere.

■ Important Precautions

Note the following important precautions whenever using your PV Unit.

- Never expose the PV Unit to fire.
- Avoid temperature extremes. Do not locate the PV Unit in direct sunlight, near a window, near a heater, etc.
- In very low temperatures display response may slow down or fail entirely. This condition is temporary and operation should resume under normal temperatures.
- Avoid areas subject to excessive moisture, dirt, and dust.
- Avoid dropping the PV Unit and otherwise subjecting it to strong impact.
- Never bend or twist the PV Unit.
- Never try to take the PV Unit apart.
- Make sure nothing gets between the hard cover and the touch screen. Besides creating the risk of scratching the touch screen, an object coming into contact with the screen can cause power to turn on and run down the batteries.
- Do not use a pen, pencil, or other sharp object to touch or press the display.
- To clean the exterior of the PV Unit, wipe it with a soft cloth dampened in a weak solution of a mild neutral detergent and water. Be sure to wring out any excess moisture from the cloth before wiping off the PV Unit. Never use benzene, thinner, or any other volatile agent to clean the unit. Doing so can remove the figures printed on the case or otherwise damage the case finish.
- The contents of this manual are subject to change without notice.
- CASIO COMPUTER CO., LTD. assumes no responsibility for any loss or claims by third parties that may arise from the use of this product.

Data Errors

The PV Unit performs a self-check routine whenever you turn it on. The message shown below appears if the PV Unit detects a problem with data stored in its memory.



Once data is lost due to a data error it cannot be recovered. Data errors are generally caused by one of the following problems.

- Interruption of battery power
- Severe electrostatic charge, strong impact, changes in temperature, or changes in humidity
- Hardware problems

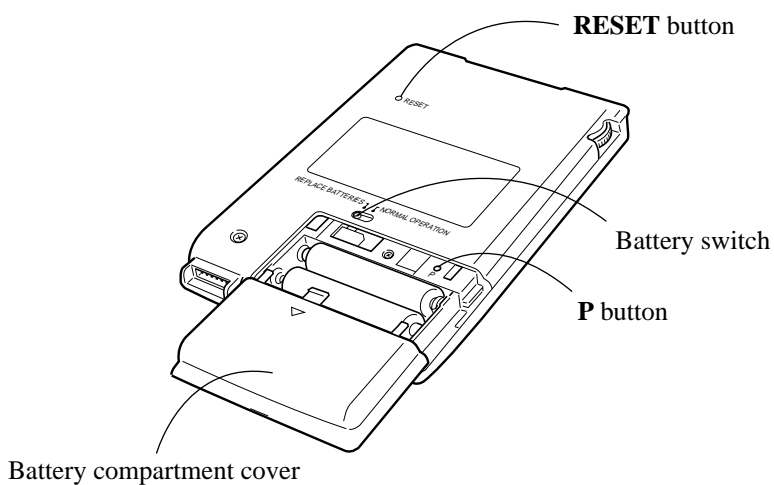
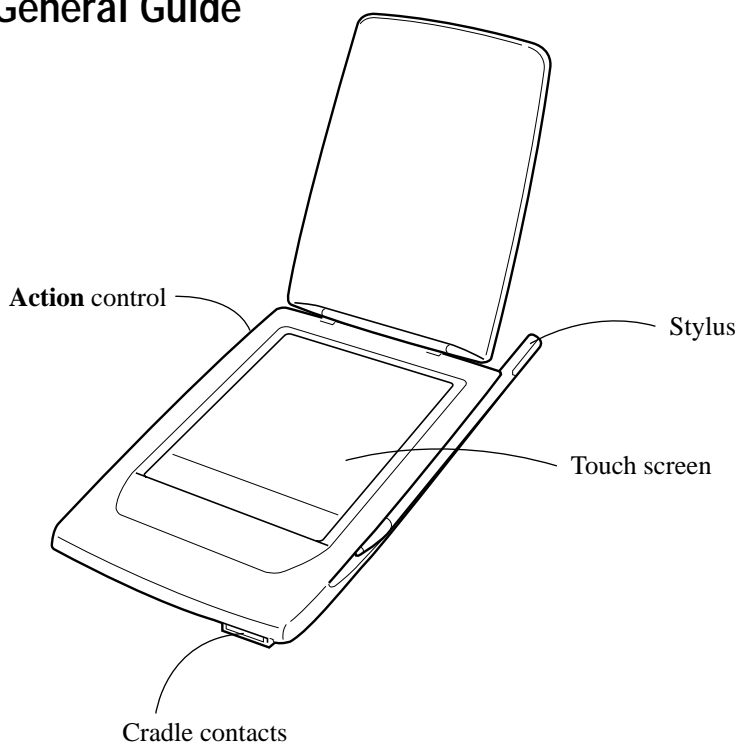
Once the data error message appears, the PV Unit will not accept any input or editing of data. In order to return memory to normal (and permit further data editing and input), you have to perform the RESET operation to clear all data. Before doing so, you may want to recall important data and write it down (if you don't yet have a copy). You can then re-input the data after clearing PV Unit memory.

Continued problems after performing the RESET operation can indicate a serious hardware problem. Consult with your nearest CASIO dealer if problems persist.

To reset after viewing data

1. After the **Data error** message appears, tap **Yes**.
2. In response to the message that appears (**Data error! Consult your User's Guide for correct procedure.**), tap **OK**.
 - This displays the pop up tool screen.
3. Now you can enter other modes to recall data and make handwritten copies if you want.
4. After recalling the data you want, perform the RESET operation under "Resetting the PV Unit" on page 176.

General Guide



Power Supply

Your PV Unit can be powered by two AAA-size alkaline batteries.

Important!

- Normally the flash memory of the PV Unit retains its data even when power is turned off and when batteries go dead. Mis-operation or other problems, however, can cause data to become corrupted or lost. Always keep separate copies of important data.

Low Battery Warning

The message shown below appears whenever battery power drops below a certain level. Replace the batteries immediately after this message appears: **Batteries are getting weak! Replace them as instructed in the User's Guide.**

Important!

- If you continue using the PV Unit after the low battery warning message appears, power may suddenly turn off or the contrast adjustment screen may suddenly appear. Should this happen, replace batteries immediately.
- Be sure to use alkaline batteries. Manganese batteries provide very short battery life.

Battery Precautions

Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the PV Unit. Note the following precautions.

- Be sure to use alkaline batteries only to power this PV Unit.
- Be sure that the positive (+) side of each battery is facing in the correct directions.



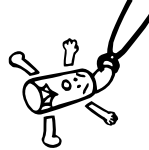
- Never mix batteries of different types.



- Never mix old batteries and new ones.



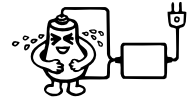
- Do not expose batteries to direct heat, let them become shorted, or try to take them apart.



- Never leave dead batteries in the battery compartment.



- Remove the batteries if you do not plan to use the PV Unit for a long time.
- Replace batteries at least once every year, no matter how much you use the PV Unit during that period.
- About once a month, turn on the PV Unit and check its battery level. If the low battery warning appears or if nothing at all appears on the display, replace batteries as soon as possible.
- Never try to recharge the batteries that come with the PV Unit.



- Should a battery leak, clean out the battery compartment of the PV Unit immediately, taking care to avoid letting battery fluid come into direct contact with your skin.

Keep batteries out of the reach of small children. If swallowed, consult with a physician immediately.

- Frequent data synchronization using the PC sync for Windows application that comes with the PV Unit shortens battery life.
- The batteries that come with this unit discharge slightly during shipment and storage. Because of this, they may require replacement sooner than the normal expected battery life.

To replace the batteries

Important!

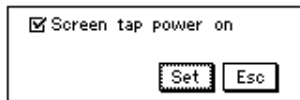
- Always make sure the battery switch is in the NORMAL OPERATION position at all times, except when replacing batteries.
1. Turn off PV Unit power.
 2. Remove both of the old batteries and replace them with new ones, referring to the procedure on pages 1 through 3.

To turn power on and off

1. Touch anywhere on the PV Unit screen or press the **Action** control to turn on power.
2. To turn power off, tap **Off** with the stylus.
 - You can disable screen tap power on (so power can be turned on only by pressing the **Action** control) using the procedure below.

To turn the screen tap power on feature on and off

1. While the Mode Menu or Action Menu is on the display, tap the **Menu Bar** icon to display the menu bar, and then tap **Option – Power setting**.



2. Tap the check box to turn the screen tap power on feature on (checked) or off (unchecked).
 - When this feature is on, you can turn on power by touching the PV Unit screen or pressing the **Action** control. When off, you can turn on power by pressing the **Action** control only.
3. Tap **Set** to register your setting.
 - Replacing batteries, resetting the PV Unit or pressing the **P** button turns on the screen tap power on feature.

Auto Power Off

The Auto Power Off function automatically turns off power whenever you do not perform any operation for a specified period. You can specify 1 minute, 3 minutes, or 6 minutes before Auto Power Off is triggered (page 166).

Use the procedure described under “To turn power on and off” above to turn power back on.

■ Using the Backlight

Tapping the **Light** icon beneath the PV Unit screen illuminates the display screen for about 15 seconds for easy viewing, even in the dark.

- Tapping the **Light** icon while the backlight is on turns it off.
- The backlight may fail to turn on when battery power is low and during data communication.

■ Action Control and Stylus

Many of the PV Unit’s operations can be performed using either a stylus or the **Action** control on the left side of the unit. The following describes the general operations that can be performed with each.

Stylus

The stylus takes the place of a computer mouse. You can perform all PV Unit operations with the stylus. In this manual, all data input operations are described using stylus operations.

You can perform the following basic operations with the stylus.

- **Tap**

Tap the tip of the stylus on the display to press a button, select an item, select a data input field, etc.

- **Double-tap**

Tap the display twice in relatively quick succession.

- **Drag**

Touch the tip of the stylus to the screen, and drag it across the screen to select a range of text, draw a line, etc.

Action Control

The **Action** control makes it possible to perform certain PV Unit operations with one hand. In this manual, many data recall operations are described using **Action** control operations.

You can perform the following basic operations with the **Action** control.

- **Rotate**

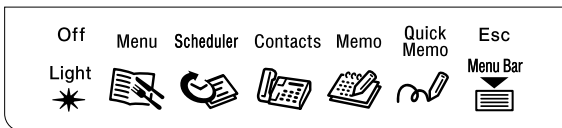
Rotating the **Action** control up and down causes the selection or data on the screen to scroll up and down.

- **Press**

Pressing the **Action** control is much like a “click” on a computer mouse button. Pressing the **Action** control executes the command that is highlighted on the display, executes the function assigned to the button whose name is enclosed by a dotted line (such as **Set**), switches between a list and a data screen, etc.

Using the Icon Menu

The PV Unit has an icon menu beneath its display screen. You can tap these icons to perform various functions no matter what mode you are using.



Icon	Description
Off	Turns off PV Unit power.
Light	Turns on the backlight.
Menu	Displays the Mode Menu.
Scheduler	Enters the Scheduler Mode.
Contacts	Enters the Contacts Mode.
Memo	Enters the Memo Mode.
Quick-Memo	Enters the Quick-Memo Mode.
Esc	Exits the current operation.
Menu Bar	Displays the menu bar.

Modes

With most PV Unit operations, you must first enter a mode before you can input or view data. You can use any of the following methods to enter a mode.

- Tap an icon in the icon menu beneath the display screen
- Tap an on-screen icon in the Mode Menu
- Select a mode on the Action Menu with the stylus or **Action** control

Note

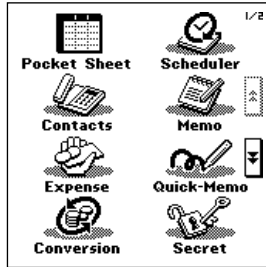
- All the procedures in this User's Guide are performed using the icon menu whenever possible.

To enter a mode using the icon menu

Use the stylus to tap on the icon for the mode you want to enter.

To enter a mode using the on-screen icon menu

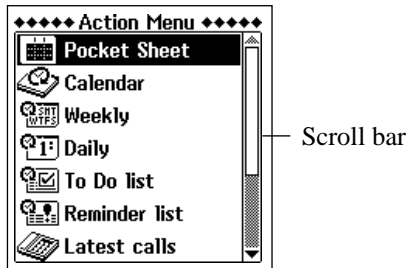
1. On the icon menu, use the stylus to tap the **Menu** icon to display the on-screen icon menu.



2. Tap the ▲ and ▼ buttons on the right side of the display to change menu pages and display the icon of the mode you want. Next, tap the icon of the mode you want to enter.

To enter a mode using the Action Menu

1. Press the **Action** control to turn on PV Unit power and display the Action Menu.



2. If the mode you want is not on the screen, scroll the menu up and down.
 - See “Scroll Bars” on page 149 for details on using the scroll bar.
3. Enter the mode you want.
 - You can enter a mode using either of the following methods.
 - Tap on the mode name in the Action Menu.
 - Use the **Action** control to highlight the name of the mode and then press the **Action** control.

Customizing the Appearance of the Mode Menu

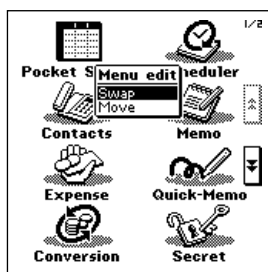
You can rearrange Mode Menu so the icons are in any order you want. The following procedures describe how to swap the positions of two icons and how to move an icon to a specific location.

Note that you cannot change the positions of icons on the Action Menu.

Swapping Two Icons

Use the following procedure to swap the positions of two icons.

1. On the Mode Menu, tap the **Menu Bar** icon to display the menu bar, and then tap **Option – Menu edit**.



2. Tap **Swap**.
3. Tap the first of the two icons whose positions you want to swap to select it.
4. Tap the second icon.
 - Tapping the second icon swaps it with the first icon you tapped.

Moving an Icon to a Specific Location

Use the following procedure to move an icon to a specific location on the Mode Menu screen.

1. On the Mode Menu, tap the **Menu Bar** icon to display the menu bar, and then tap **Option – Menu edit**.
2. Tap **Move**.
3. Tap the icon you want to move to select it.
4. Tap the icon at the location where you want the icon you tapped in step 3 to be.