# PV Applications Manager

## User's Guide

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**CASIO**®

**Important!**
- Keep this User's Guide in a safe place for future reference.

## PV Applications Manager

PV Applications Manager is a utility that makes it easy to add and delete PV Applications*
on your CASIO PV Unit (except the PV-100, PV-170D, PV-180D, PV-200, PV-200A, PV-
200e, PV-400A and PV-400Plus)**. It also lets you back up and restore PV Application
data files.

*   You cannot use PV Applications Manager to delete built-in PV Applications.
**  as of July 2000

**Note**

You can download PV Applications from the CASIO Website located at http://
www.casio.co.jp/English/download/pv/.

**Attention PV-250X and PV-450X Users!**

Before you can use this software with a PV-250X or PV-450X, you must first update your
Pocket Viewer's operating system. See "Updating the Pocket Viewer Operating System"
on page 12 for details.

**System Requirements**

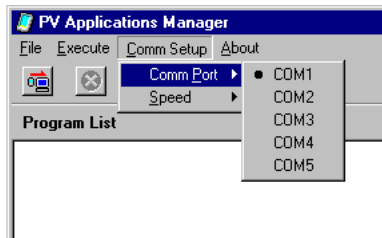The following are minimum system requirements for running PV Applications Manager.

- PC with a Pentium 75MHz or higher processor for Windows 98, 95 or NT
  Workstation 4.0 or PC with a Pentium 133MHz or higher processor for Windows
  2000 Professional.
- 64MB of RAM for Windows 2000 Professional, 16MB of RAM for Windows 98,
  95 or NT Workstation 4.0.
- Microsoft Windows 2000 Professional, Windows 98, 95 (Service Pack 1 or
  later) or NT Workstation 4.0 (Service Pack 3 or later).
- Available Hard Disk Space: At least 10MB.
- A CD-ROM drive for software installation (for CD-ROM distribution).

**Getting Ready**

Before you can use PV Applications Manager, you must use the following procedures to establish a link between your Pocket Viewer and computer.

**To establish a link between Pocket Viewer and your computer**

1. Connect the Pocket Viewer cradle cable to the serial port (RS-232C) of your computer.
   • If the cable's connector does not fit into your computer's serial port, you need to purchase an adapter. See the documentation that comes with your computer for details.

2. Place the Pocket Viewer onto the cradle.
   • See "Using the Cradle" in your Pocket Viewer User's Guide for more information.

3. On your computer, double click the PVM.EXE file to start up PV Applications Manager.
   • Double-click the PVM.EXE file.

4. On the PV Applications Manager **Comm Setup** menu, click **Comm Port**, and then select the serial port where the cradle is connected.
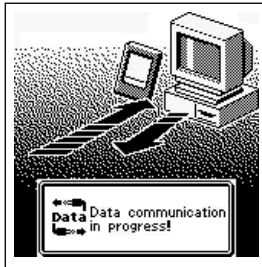


   • To set the data communication speed, click **Comm Setup** and then **Speed**. Next, select the speed you want on the sub-menu that appears. The initial default setting is 38400 bps.
   • Setting a higher speed makes data transfer between your computer and PV Unit faster, but it also can increase the possibility of communication errors with some computers. Experiment with different speeds until you find the one that works best for you.

**Installing a PV Application on Pocket Viewer**

You can install a PV Application on Pocket Viewer using drag and drop, the buttons along the top of the PV Applications Manager window, or menu commands.
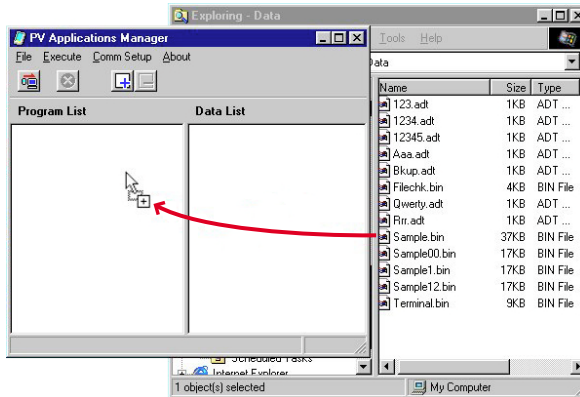
**To install a PV Application using drag and drop**

1. Perform the procedure under "To establish a link between Pocket Viewer and your computer."
2. On Pocket Viewer, tap **Menu** – **Menu Bar** – **Option** – **Download** to enter PV Application download standby.
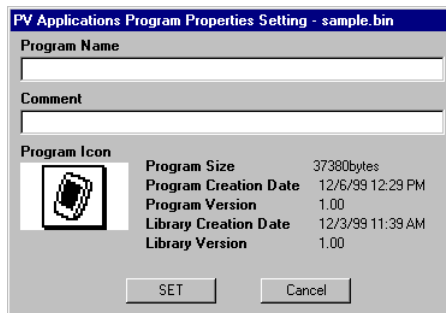


3. On your computer, use Windows Explorer to select the PV Application you want to install.
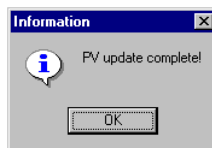
4.  On your computer, drag the PV Application from Windows Explorer to the **Program List** area of the PV Applications Manager window.



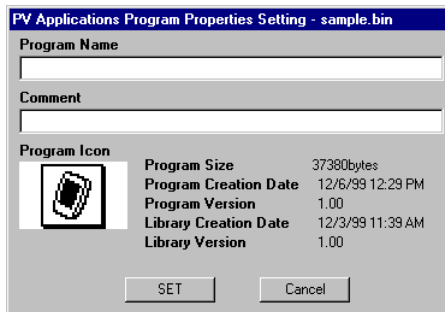• This causes the dialog box shown below to appear.



5.  Make any changes you want in the **Program Name** and **Comment** data, and then click the **SET** button to install the PV Application.



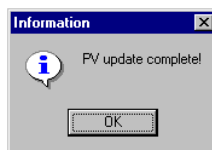6.  Click **OK** to clear the dialog box.

**To install a PV Application using button operations**

1. Perform the procedure under "To establish a link between Pocket Viewer and your computer."
2. On your computer, click the 🔲 button.
   • Your computer reads Pocket Viewer memory contents and updates the PV Applications Manager window **Program List** and **Data List** contents accordingly.
     • To interrupt communication between your computer and Pocket Viewer, click the ⊗ button.
     • Instead of clicking the 🔲 button, you could click the **Execute** menu and then **Import from PV** or **Update PV**.
     • Instead of clicking the ⊗ button, you could click the **Execute** menu and then **Abort**. This causes a warning message dialog box to appear. Click the **OK** button to close the dialog box.
3. Click the 🔲 button at the top of the PV Applications Manager window to display a dialog box for selecting a PV Application file.
   • Instead of clicking 🔲, you could right-click inside the **Program List** area and then select **Add File** from the context menu that appears.
4. Select the application file you want to install on Pocket Viewer, and then click **Open**.
   • This causes the dialog box shown below to appear.



5. Make any changes you want in the **Program Name** and **Comment** data, and then click the **SET** button and click 🔲 button to install the PV Application.



6. Click **OK** to clear the dialog box.

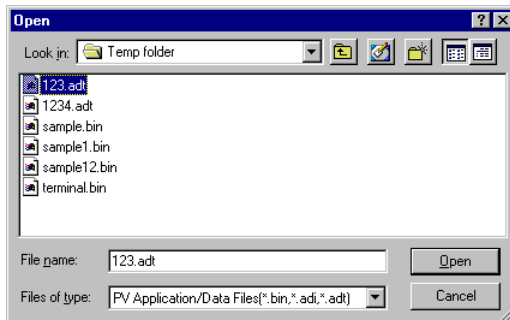**Copying PV Application Data from Your Computer to Pocket Viewer**

The data copy operation is very similar to the PV Application installation procedure. You can copy data using drag and drop, the buttons along the top of the PV Applications Manager window, or menu commands.

**To copy PV Application data using drag and drop**

1. Perform the procedure under "To establish a link between Pocket Viewer and your computer."
2. On Pocket Viewer, tap **Menu** – **Menu Bar** – **Option** – **Download** to enter PV Application download standby.
3. On your computer, use Windows Explorer to select the PV Application data you want to copy.
4. On your computer, drag the PV Application from Windows Explorer to the **Data List** area of the PV Applications Manager window.

**To copy PV Application data using button operations**

1. Perform the procedure under "To establish a link between Pocket Viewer and your computer."
2. On your computer, click the 🔲 button.
   • Your computer reads Pocket Viewer memory contents and updates the PV Applications Manager window **Program List** and **Data List** contents accordingly.
   • Instead of clicking the 🔲 button, you could click the **Execute** menu and then **Import from PV** or **Update PV**.
3. Click the 🔲 button at the top of the PV Applications Manager window to display a dialog box for selecting a data file.

- Instead of clicking , you could right-click inside the **Data List** area and then select **Add File** from the context menu that appears.

4. Select the data file you want to transfer to Pocket Viewer, and then click **Open** and click  button to start transfer of the data file.
5. Click **OK** to clear the dialog box.

**Deleting PV Applications and Data**

The following procedure can be used to uninstall (delete) a PV Application and to delete a PV Application data file.

**To delete a PV Application or data file**

1. Perform the procedure under "To establish a link between Pocket Viewer and your computer."
2. On your computer, click the button.
   • Your computer reads Pocket Viewer memory contents and updates the PV Applications Manager window **Program List** and **Data List** contents accordingly.
   • Instead of clicking the button, you could click the **Execute** menu and then **Import from PV** or **Update PV**.

3. Click the PV Application (**Program List**) or data file (**Data List**) you want to delete so it is highlighted.
4. Click the button.
   • Instead of clicking , you could right-click and then select **Delete File** from the context menu that appears.

5. Click **OK** to close the confirmation dialog box.
6. Click the button to start the delete operation.
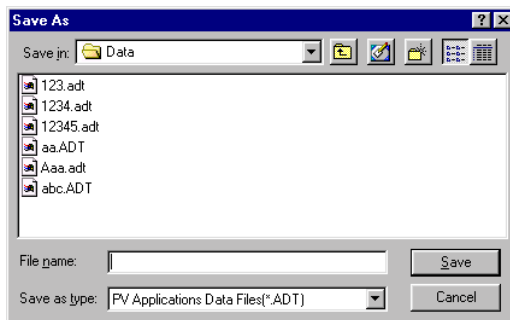
**Backing Up and Restoring Data**

You can create back up copies of PV Application data files on your computer to protect against unintended loss of data. You can restore data from a backed up file whenever necessary.

**Important!**

- This procedure is good for backing up single data files. Back up and restore can take a long time when there is a large volume of data in memory. In such cases, it is better to use PC sync to perform a back up.
- Make sure you periodically use PC sync to back up important data.

### To back up a PV Application data file

1. Perform the procedure under "To establish a link between Pocket Viewer and your computer."
2. On your computer, click the 🖳 button.
   - Your computer reads Pocket Viewer memory contents and updates the PV Applications Manager window **Program List** and **Data List** contents accordingly.
3. In the **Data List,** click the PV Application you want to back up so it is highlighted.
   - You can back up one data file at a time.
4. Right-click inside the **Data List** area and then select **Backup** from the context menu that appears.



5. Assign a name to the backup file, and then click **Save** to save the data.
6. Click **OK** to clear the dialog box.

### To restore a data file

Use the procedure under "Copying PV Application Data from Your Computer to Pocket Viewer" to restore a data file.

## Updating the Pocket Viewer Operating System

The following procedure makes it possible for you to update the operating system of your Pocket Viewer when required. Visit the CASIO Website at http://www.casio.co.jp/ English/download/pv/ for information about Pocket Viewer operating system updates.
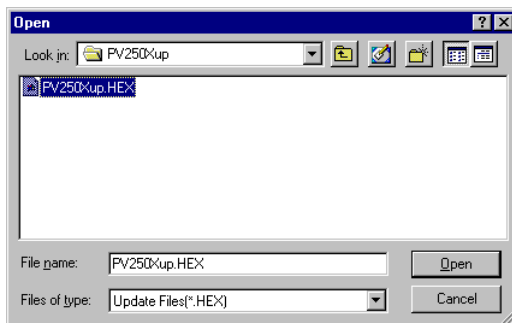
### To update the Pocket Viewer operating system

1. Replace the batteries of your PV Unit with a fresh set.
2. Connect the Pocket Viewer cradle cable to the serial port (RS-232C) of your computer.
3. Place the Pocket Viewer onto the cradle.
4. Use the PC sync for Windows application that comes with your PV Unit to back up the data in your PV Unit's memory.
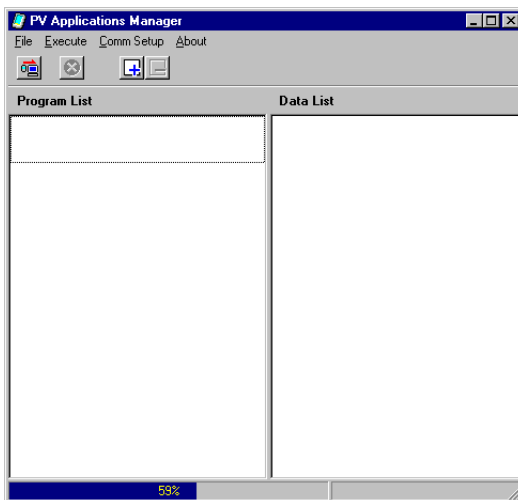   • After the back up procedure is complete, quit PC sync for Windows.

**Important!**

   • Be sure you perform this step. Failure to back up risks permanent, unrecoverable loss of the data.

5. On your computer, start up PV Applications Manager.
6. In PV Applications Manager, click the **Execute** menu and then **OS Update** to display a dialog box for selecting the operating system update file.

7.  Select the update file and then click **Open** to load the file.
    • The progress of the load operation is indicated in the bar along the bottom of the PV Applications Manager window.



    • A message dialog box appears to let you know when file loading is complete.

8.  Perform the following steps on your PV Unit.
    • The steps you should perform depend on whether your Pocket Viewer is a PV-250X or PV-450X model, or another model.
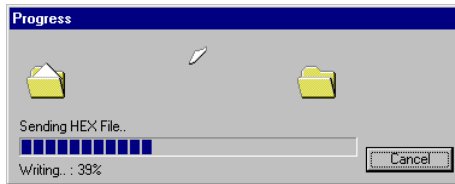
    **PV-250X or PV-450X Model Owners**
    1.  Tap **Scheduler** → **Tools** – 🖩 icon to display the calculator.
    2.  If **M** is displayed on the left side of the calculator display, tap **MC** to clear it.
    3.  Input the following numbers on the calculator: 19010203
    4.  Tap **M+** so **M** is displayed on the left side of the calculator display.
    5.  Tap **Menu, Esc**, **Menu, Esc**, **Menu, Esc, Menu**.
    6.  Keep tapping **Menu, Esc** until the message **TEST PROGRAM** appears on the display. When it does, continue with step 9, below.

    **Other (non PV-250X/450X) Model Owners**
    1.  Tap **Scheduler** → **Tools** – 🖩 icon to display the calculator.
    2.  If **M** is displayed on the left side of the calculator display, tap **MC** to clear it.
    3.  Input the following numbers on the calculator: 19010203
    4.  Tap **M+** so **M** is displayed on the left side of the calculator display.
    5.  Tap **Menu** five times.
    6.  Keep tapping **Menu** until the message **OS UPDATE** appears on the display. When it does, continue with step 9, below.

9. To start the actual update procedure, click **OK** on your computer screen and then tap the Pocket Viewer screen once.



- A message dialog box appears to let you know when system updating is complete.

10. Click **OK** to close the dialog box.
11. At this time, the touch screen calibration screen should be on the PV Unit display. Perform touch screen calibration.
12. Adjust display contrast.
13. In response to the reset confirmation message that appears, tap **No**.
14. Tap **OK**.
15. If necessary, start up PC sync for Windows on your computer and restore the data you backed up in step 4.

The following describes the function of each of the PV Applications Manager on-screen buttons.

| Button | Name | Description |
|--------|------|-------------|
| | **Synchronize/Fix** | • Reads Pocket Viewer memory contents and updates the PV Applications Manager window **Program List** and **Data List** contents. |
| | **Quit** | • Unlinks with Pocket Viewer. |
| | **Add Program or Data** | • Displays a dialog box for selection of a PV Application or data file to download it to Pocket Viewer memory. |
| | **Delete Program or Data** | • Deletes the PV Application or data file whose name is highlighted in the **Program List** or **Data List**. |