
PV Applications Manager

User's Guide

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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*¹ on your CASIO PV Unit (except the PV-100, PV-170D, PV-180D, PV-200, PV-200A, PV-200e, PV-270D, PV-280D, PV-400A and PV-400Plus)*². It also lets you back up and restore PV Application data files.

*¹ You cannot use PV Applications Manager to delete built-in PV Applications.

*² As of March 2001

Note

Where you should go on the Internet to download PV Applications depends on your PV Unit model number.

- If you have a PV-S400Plus or PV-S600Plus, go to:
<http://www.casio.com/pvdownload/>
- If you have a model other than the two indicated above, go to:
<http://world.casio.com/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 PV Unit operating system. See "Updating the PV Unit Operating System" on page 13 for details.

Minimum System Requirements

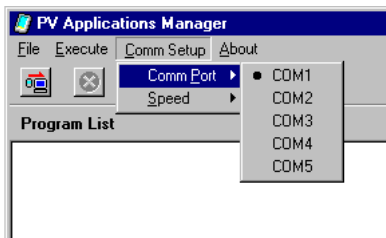
- Microsoft Windows Me, Windows 2000 Professional, Windows 98, Windows 95 or Windows NT Workstation 4.0 (Service Pack 3 or later)
- PC with a Pentium 150MHz or higher CPU running Windows Me; a Pentium 133MHz or higher CPU running Windows 2000 Professional; or a Pentium 75MHz or higher CPU running Windows 98, 95 or NT Workstation 4.0
- 64MB of RAM for Windows 2000 Professional; 32MB of RAM for Windows Me or NT Workstation 4.0; or 16MB of RAM for Windows 98 or Windows 95
- CD-ROM drive for software installation
- 9pin COM Port (serial port)

Getting Ready

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

To establish a link between the PV Unit and your computer

1. Make the necessary connection to your computer for data communication with a PV Unit.
 - Depending on the PV Unit model you are using, you should either connect the cradle or the data communication cable to your computer's COM port.
 - If the cable 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. Make the necessary connection to your PV Unit for data communication with the computer.
 - Depending on the PV Unit model you are using, you should either place it onto the cradle connected to your computer, or connect the other end of the cable to your PV Unit.
 - See "Using the Cradle" or "Using the Cable" in your PV Unit User's Guide and the documentation that comes with the separately available cradle for more information.
3. On your computer, double click the PVM.EXE file to start up PV Applications Manager.
 - If you installed from the CD-ROM, navigate to the folder named "PVM," and then double click PVM.EXE.
4. On the PV Applications Manager **Comm Setup** menu, click **Comm Port**, and then select the serial port where the cradle or cable is connected.



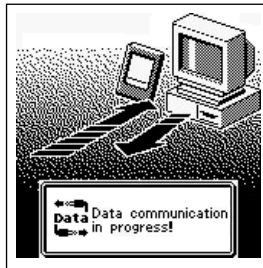
- To set the data communication speed, click **Comm Setup** and then **Speed**. Next, select the speed you want on the sub-menu that appears. The initial default setting is 38400 bps.
- Setting a higher speed makes data transfer between your computer and PV Unit faster, but it also can increase the possibility 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 the PV Unit

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

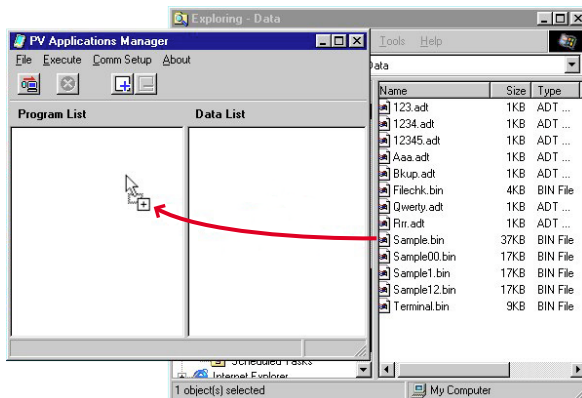
To install a PV Application using drag and drop

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

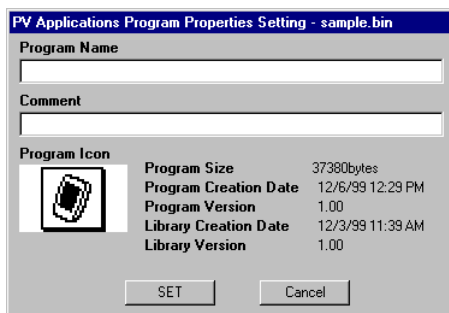


3. On your computer, use Windows Explorer to select the PV Application you want to install.

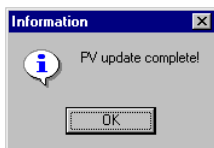
4. On your computer, drag the PV Application from Windows Explorer to the **Program List** area of the PV Applications Manager window.



- This causes the dialog box shown below to appear.









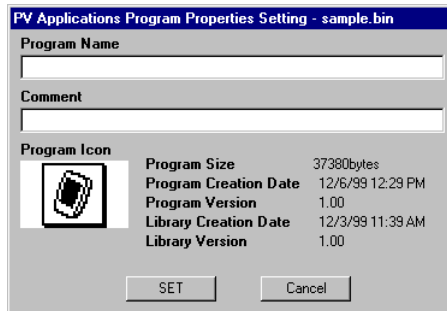
5. Make any changes you want in the **Program Name** and **Comment** data, and then click the **SET** button to install the PV Application.




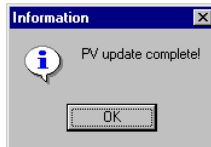
6. Click **OK** to clear the dialog box.

To install a PV Application using button operations

1. Perform the procedure under “To establish a link between the PV Unit and your computer.”
2. On the PV Unit, tap **Menu – Menu Bar – Option – Download** to enter PV Application download standby.
3. On your computer, click the  button.
 - Your computer reads PV Unit memory contents and updates the PV Applications Manager window **Program List** and **Data List** contents accordingly.
 - To interrupt communication between your computer and PV Unit, 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.
4. 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.
5. Select the application file you want to install on the PV Unit, and then click **Open**.
 - This causes the dialog box shown below to appear.



6. 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.



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




Copying PV Application Data from Your Computer to the PV Unit

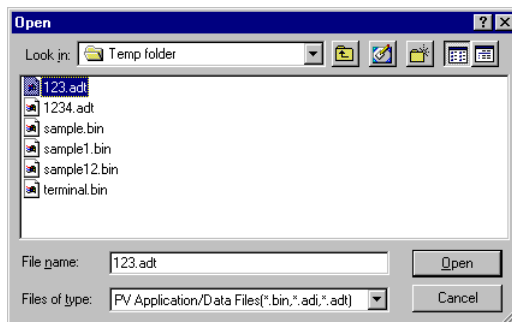
The data copy operation is very similar to the PV Application installation procedure. You can copy data using drag and drop, the buttons along the top of the PV Applications Manager window, or menu commands.



To copy PV Application data using drag and drop

1. Perform the procedure under “To establish a link between the PV Unit and your computer.”
2. On the PV Unit, 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 the PV Unit and your computer.”
2. On the PV Unit, tap **Menu – Menu Bar – Option – Download** to enter PV Application download standby.
3. On your computer, click the  button.
 - Your computer reads PV Unit 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**.
4. 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.
5. Select the data file you want to transfer to the PV Unit, and then click **Open** and click  button to start transfer of the data file.
 6. 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 the PV Unit and your computer.”
2. On the PV Unit, tap **Menu – Menu Bar – Option – Download** to enter PV Application download standby.
3. On your computer, click the  button.
 - Your computer reads PV Unit 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**.
4. Click the PV Application (**Program List**) or data file (**Data List**) you want to delete so it is highlighted.
5. Click the  button.
 - Instead of clicking , you could right-click and then select **Delete File** from the context menu that appears.
6. Click **OK** to close the confirmation dialog box.
7. Click the  button to start the delete operation.


Backing Up and Restoring Data

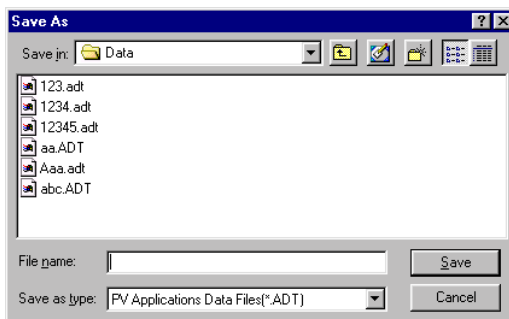
You can create back up copies of PV Application data files on your computer to protect against unintended loss of data. You can restore data from a backed up file whenever necessary.

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 the PV Unit and your computer.”
2. On the PV Unit, tap **Menu – Menu Bar – Option – Download** to enter PV Application download standby.
3. On your computer, click the  button.
 - Your computer reads PV Unit memory contents and updates the PV Applications Manager window **Program List** and **Data List** contents accordingly.
4. 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.
5. Right-click inside the **Data List** area and then select **Backup** from the context menu that appears.



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

To restore a data file

Use the procedure under “Copying PV Application Data from Your Computer to the PV Unit” to restore a data file.

Updating the PV Unit Operating System

The following procedure makes it possible for you to update the operating system of your PV Unit when required.

Where you should go on the Internet for PV Unit operating system update information depends on your PV Unit model number.

- If you have a PV-S400Plus or PV-S600Plus, go to:
<http://www.casio.com/pvdownload/>
- If you have a model other than the two indicated above, go to:
<http://world.casio.com/download/pv/>

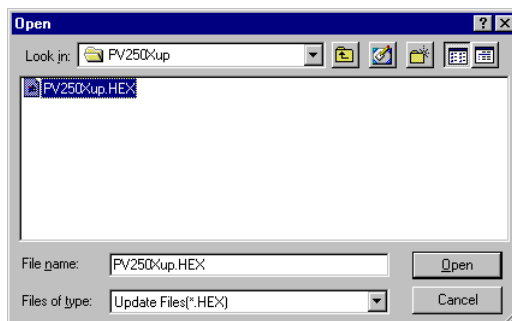
To update the PV Unit operating system

1. Replace the batteries of your PV Unit with a fresh set.
2. Make the necessary connection to your computer for data communication with a PV Unit.
3. Make the necessary connection to your PV Unit for data communication with the computer.
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.

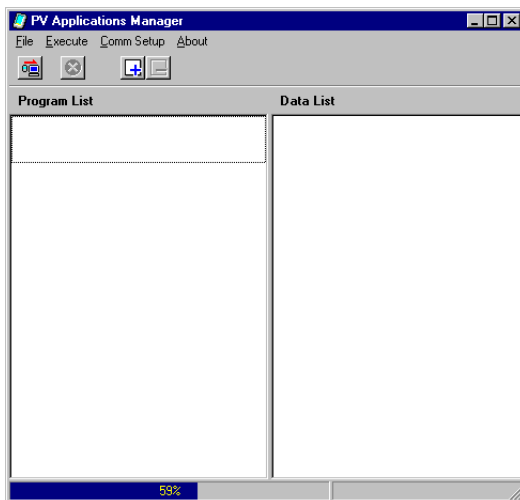
Important!

- 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 PV Unit is a PV-S400Plus, PV-S600Plus, PV-S460, PV-S660, PV-250X, PV-450X model, or another model other than these.


PV-S400Plus, PV-S600Plus, PV-S460, PV-S660 PV Unit

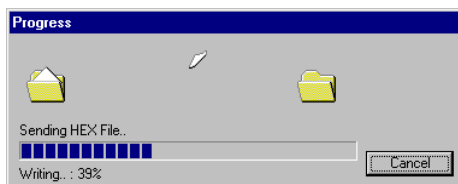
1. Tap **Menu – Menu Bar – Option – OS Update**.
2. In response to the confirmation message that appears, tap **Yes**.
 - This displays a message telling you your OS will be updated.
3. Continue with step 9, below.

PV-250X or PV-450X PV Unit

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 Model PV Units





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 PV Unit 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.

On-screen Button Reference

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

Button	Name	Description
	Synchronize/Fix	<ul style="list-style-type: none">• Reads PV Unit memory contents and updates the PV Applications Manager window Program List and Data List contents.
	Quit	<ul style="list-style-type: none">• Unlinks with the PV Unit.
	Add Program or Data	<ul style="list-style-type: none">• Displays a dialog box for selection of a PV Application or data file to download it to PV Unit memory.
	Delete Program or Data	<ul style="list-style-type: none">• Deletes the PV Application or data file whose name is highlighted in the Program List or Data List.