



PC-cillin for Wireless

Version 2.0

Virus protection for Palm, EPOC, and PocketPC PDAs

Users Manual

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1 Introduction

1.1 PDA Viruses

The increasing power of PDAs has spawned a new breed of viruses. Maliciously creative programmers have leveraged the PDA's ability to communicate with other devices and run programs, to cause digital mayhem.

The blissfully safe world where users of these devices could synch and download with impunity came to an end in August 2000 with the discovery of the Palm Liberty.A virus. Since then, many more viruses have been discovered.

Though not yet as harmful as their PC-based cousins, these viruses still pose a threat to unsuspecting users. Their effects vary from the harmless flashing of an unwanted message or an increase in power consumption, to the deletion of all installed programs. But the threat is growing, and the destructiveness of these viruses is expected to parallel the development of the devices they attack.

1.2 Protection on the PC

Users of handheld devices may receive or spread viruses when they synchronize or "sync" their devices with their desktops. Though existing PDA viruses are harmless to PCs, they can remain dormant on the PC and load themselves on the next PDA that syncs with the infected PC.

Trend Micro's family of antivirus products, including the original PC-cillin for desktops, provides protection for the PC-side of the problem ensuring that you will neither infect, nor be infected by, your desktop.

But PC – PDA synchronization is not the only way PDAs receive data.

1.3 Protection on the PDA

Manufacturers have provided PDAs with a number of methods for communicating with other devices, from infrared transmitters, to mobile phone interfaces. High-end PDAs even feature Internet connectivity.

These features give PDAs greater functionality, but also mean that the devices can be attacked directly -- hence the need for onboard protection.

2 Installation Information

2.1 System Requirements

2.1.1 For the Palm

- Palm OS® 3.1 and above or 4.0
- 2 MB of memory or more
- Minimum 100KB of free memory for program installation
- Desktop computer must have Palm Desktop and HotSync® applications

2.1.2 For EPOC

- Psion Revo™ or Revo™ Plus
- 8 MB of RAM or more
- Minimum 200KB of free memory for program installation.
- Desktop computer must have PsiWin application

2.1.3 For Pocket PC

- Windows® CE 3.0
- 16 MB of RAM or more
- Minimum 1MB of free memory for program installation
- Desktop computer must have **Microsoft ActiveSync** application

2.2 How to Install PC-cillin for Wireless

2.2.1 For the Palm

1. Download the PC-cillin for Palm installation files from Trend Micro's Web site. Decompress the files palm\$xxx.pdb (where xxx is the version number) and scan.prc into the *Add-on* folder of your Palm Desktop directory (usually \Palm\Add-on).

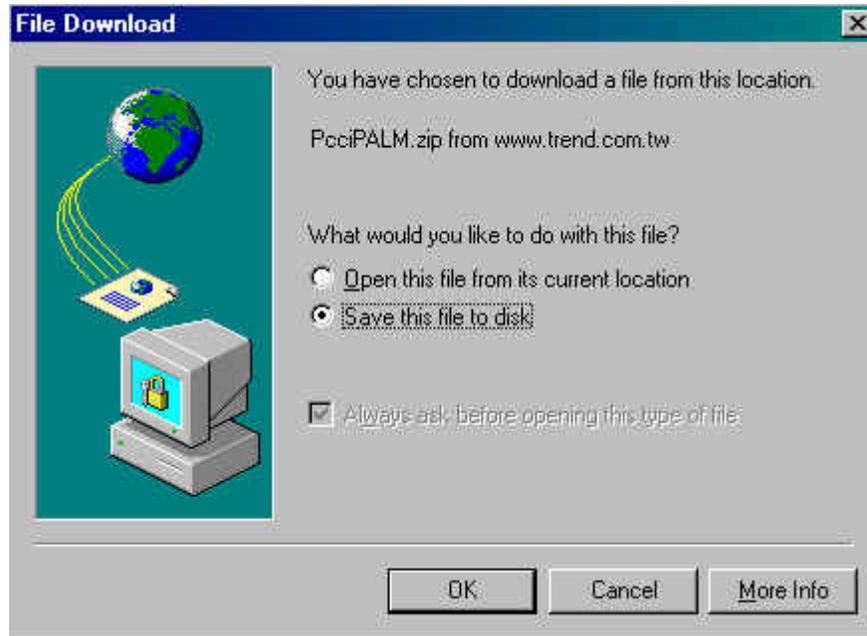


Figure 2-1. File Download window

2. Open up the **Palm Desktop** application, then click the **Install** icon to bring up the *Install tool* dialog.



Figure 2-2. Install button

3. At the *Install Tool* window, click on the *User* drop down list, and select the name that corresponds to your organizer.



Figure 2-3. The User drop down menu

4. Click the **Add** button, then multi-select scan.prc (main program), Pattern_XXX.prc (pattern file), and RealTime.prc (the real-time scan module) from the list box. Click **Open** to add the file, or **Cancel** to abort the operation.

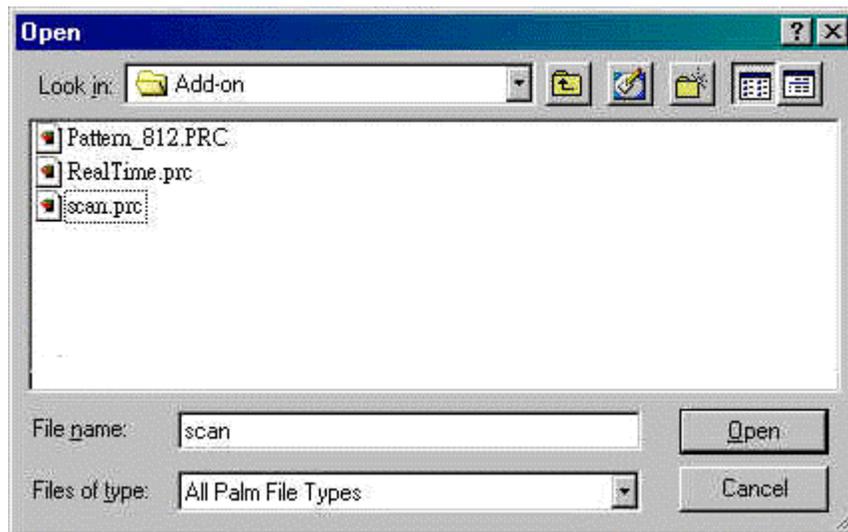


Figure 2-4. File selection window

5. The required files should appear in the list box in the *Install Tool* window, as shown below. Click **Done**.

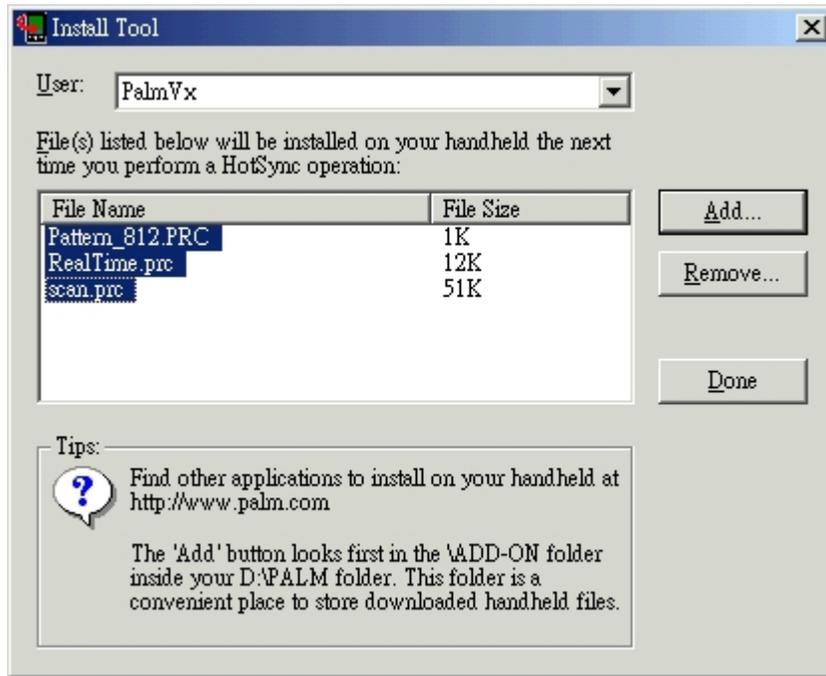


Figure 2-5. Install Tool window

6. An *Install Tool* dialog box appears. Click on **OK** to proceed with installation during the next HotSync operation, or **Cancel** to abort the operation.



Figure 2-6. Confirmation dialog box

7. Insert your Palm OS platform device in the cradle and press the "**HotSync**" button at its base.



Figure 2-7. HotSync Progress window

2.2.2 For EPOC

1. Make sure the EPOC device is connected to the Desktop.
2. Download PC-cillin for EPOC (PcciEpc.SIS) and save it into any convenient folder in your PC (e.g., c:\antivirus).

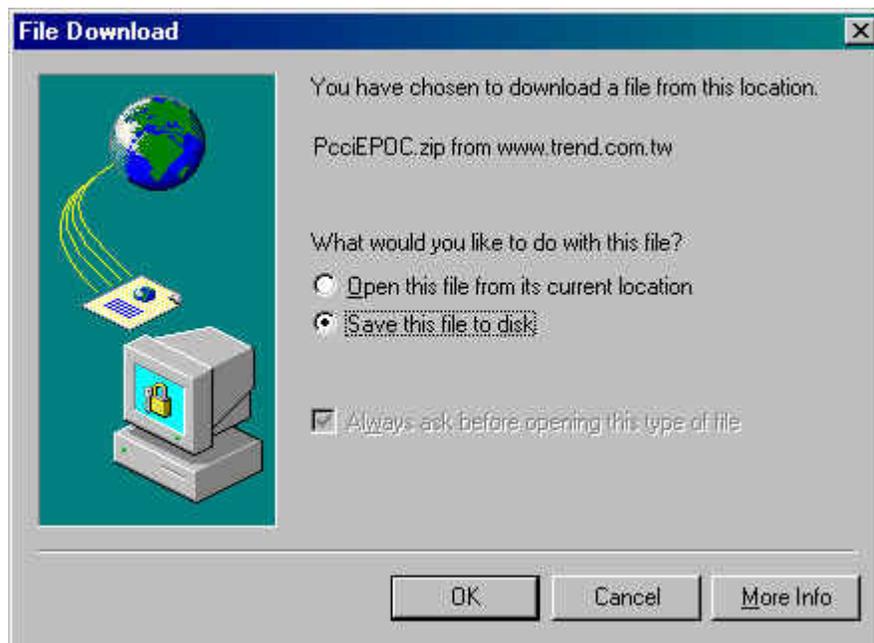


Figure 2-8. File Download window

3. Open Windows Explorer and go to the folder where you downloaded the installation file. Double-click on the PcciEpc.SIS icon to establish a connection between the device and your PC.



Figure 2-9. Connection-in-progress window

4. The *Select disk* window appears. Click the **Next** button to start the installation (the default program location is "c:\system\Apps\PcciEpc\").

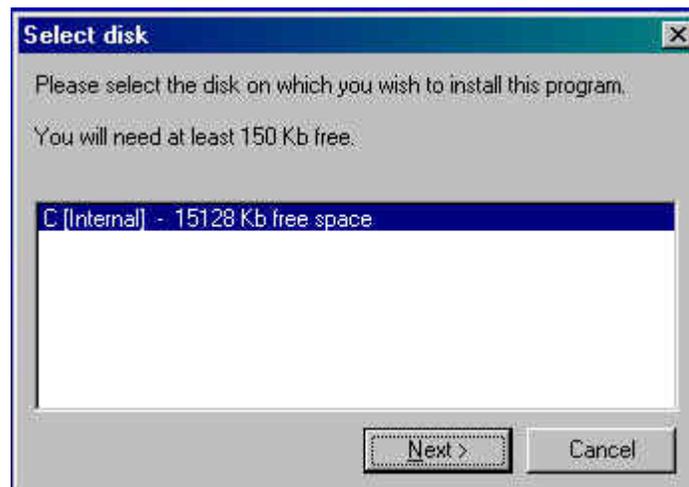


Figure 2-10. Select disk window

5. The *Installing PC-cillin for EPOC* window opens. To abort installation, click the **Cancel** button.

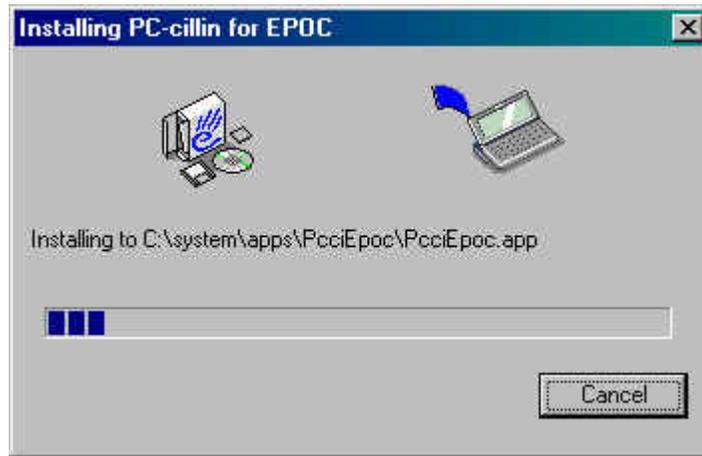


Figure 2-11. Installing PC-cillin for EPOC

6. At the *EPOC Install – PC-cillin for EPOC* window, click **Finish** to complete the installation.

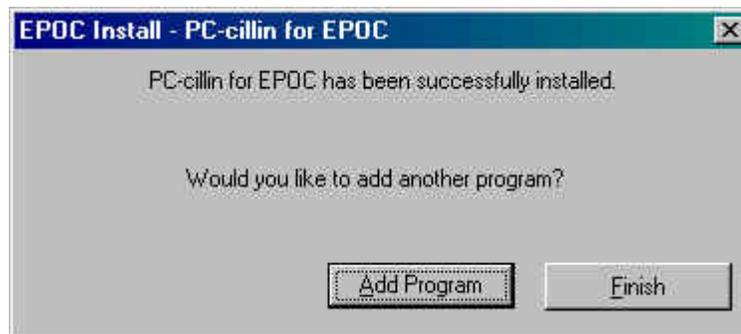


Figure 2-12. Installation complete

2.2.3 For Pocket PC

1. Make sure the Pocket PC device has connected to the desktop and Microsoft ActiveSync is running.
2. Download the package that corresponds to your CPU type and save it in any convenient folder (e.g., c:\antivirus). The packages currently available are:
 - PC-cillin for Pocket PC_ARM (Compaq iPAQ; Strong ARM CPU)
 - PC-cillin for Pocket PC_MIPS (Casio Cassiopeia)
 - PC-cillin for Pocket PC_SH3 (HP Jornada)

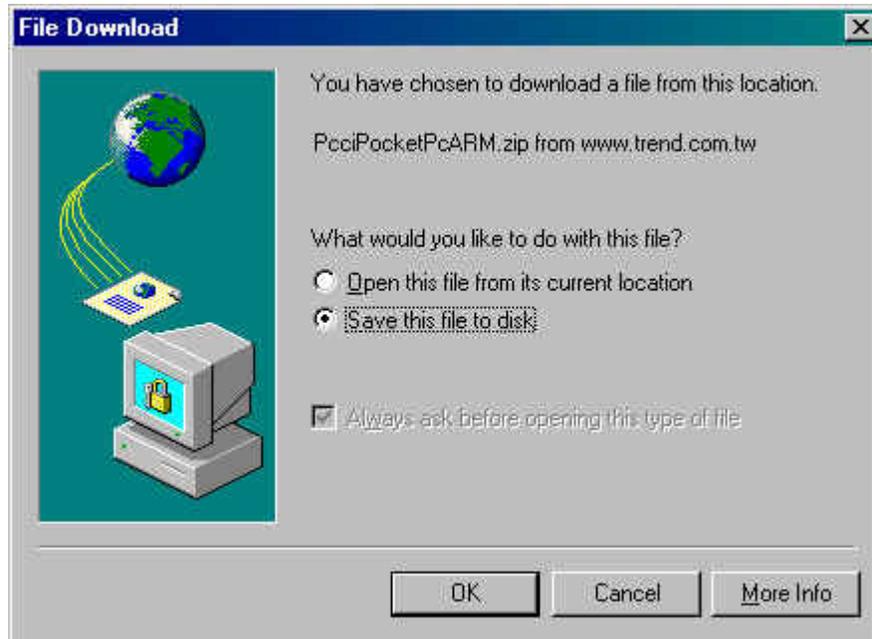


Figure 2-13. File Download window

3. Open Windows Explorer, and go to the folder where you saved the downloaded installation package. Double-click the package's icon.



Figure 2-14. Installation package icon

4. The *PC-cillin for Pocket PC - Installation Folder* window opens. Specify the destination for the installation files. The default destination is the Windows temp directory. Click **Finish** to continue.

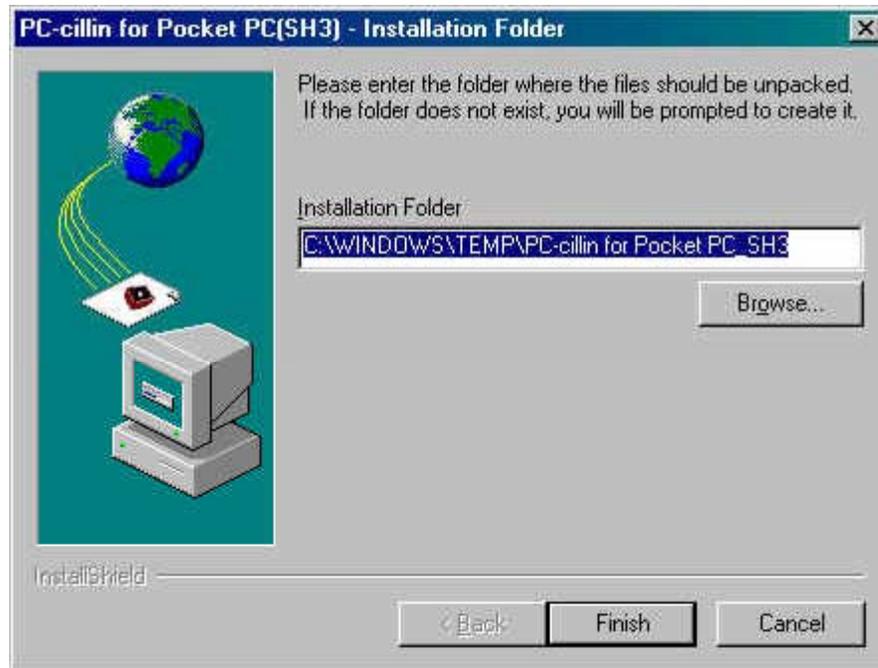


Figure 2-15. Installation folder window

5. The *Installing Applications* dialog box opens. Click **Yes** to install PC-cillin in the default application directory, **No** to specify an alternative, or **Cancel** to abort the operation.



Figure 2-16. Installing Applications window

2.3 How to Uninstall PC-cillin for Wireless

2.3.1 For the Palm

1. Select **Delete** from the Palm system menu to bring up the *Delete* list.
2. Remove the following files:
 - PC-cillin - the main program file
 - PATTERN.xxx - the pattern file
 - Pccillin.log - the log file; this contains log information
 - Realtime - the real-time scanning module
3. Tap **Done** to return to the main screen.

2.3.2 For EPOC

1. Close the PC-cillin for EPOC program by clicking the ESC button.
2. Click **Control Panel** on the right-hand side bar.
3. Double-tap the **Add/Remove** icon to open the *Installed Programs* dialog box.
4. Select the PC-cillin for EPOC item, then tap **Remove**.
5. A confirmation dialog box opens. Tap **Yes** to remove the program.

2.3.3 For Pocket PC

1. Close PC-cillin for Pocket PC by tapping the **OK** button at the top-right corner of the screen.
2. Click **Start | Settings** to open the *Settings* dialog.

3. Select the *System* tab and then tap the **Remove Programs** icon.
4. Select the **Trend Micro PC-cillin for Pocket PC** item, then click **Remove**.
5. The *Remove Program* dialog box opens. Tap **Yes** to remove the program.

3 How to Use

PC-cillin for Wireless is very easy to use. The main screen features only three buttons: **Scan**, **Log**, and **Virus Info** - standard features for all applications.

The main screen also shows critical version information about the scan engine and the pattern file installed on your PDA. You will always know the condition of your antivirus protection, each and every time you start up.

3.1 Starting PC-cillin for Wireless

3.1.1 For Palm

1. Go to the Palm main screen and make sure it is set to show all Utilities.
2. Look for the PC-cillin icon, and tap it to start the program.



Figure 3-1. Palm main screen

3.1.2 Turning On Real-time Scanning (For Palm Only)

Real-time scanning prevents you from accidentally activating a virus. Tapping the icon of a virus while this feature is enabled opens a warning message like the one in Figure 3-2.

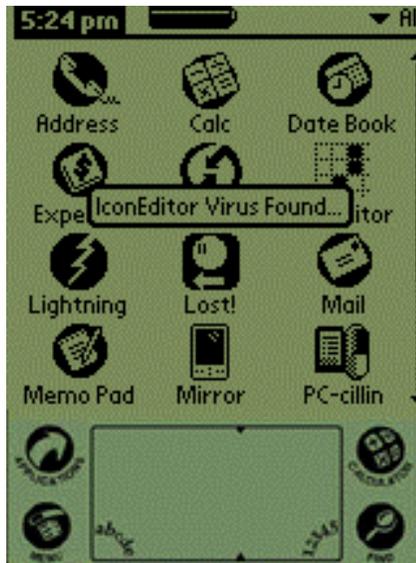


Figure 3-2. Real-time Scan warning message



Figure 3-3. Real-time / HotSync Scan screen

This feature has its own separate user interface and a separate icon (See figure 3-1). To enable it:

1. Go to the Palm main screen and make sure it is set to show all Utilities.
2. Tap the *Real-Time* icon to open the user interface.
3. Select **Enable Real-time Scan**, and then tap **Apply**.

Note: Disabling this feature resets the PDA

3.1.3 Turning On HotSync Scan (For Palm Only)

The HotSync Scan function protects you from viruses that may attempt to infect your PDA during a HotSync. This feature uses the Manual Scan to detect harmful files. To activate this feature:

1. Go to the Palm main screen and make sure it is set to show all Utilities.
2. Look for the *Real-Time* icon, and tap it to open the user interface.
3. Select **Enable HotSync** scan then tap **Apply**. (See Figure 3-3)

Note: This feature requires the activation of Real-time Scanning. If Real-time Scan is disabled, this feature is automatically disabled.

3.1.4 For EPOC

1. Tap the **Extras** icon to show the *Extras Bar*
2. Tap the PC-cillin icon to start the program.

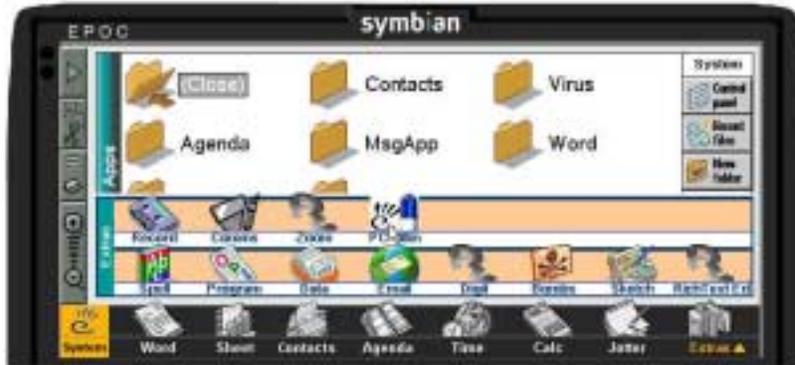


Figure 3-4. EPOC Extras bar

3.1.5 For Pocket PC

1. Tap the **Start** icon in the upper-right corner of the screen. The Start menu appears.
2. Tap the PC-cillin icon to start the program.

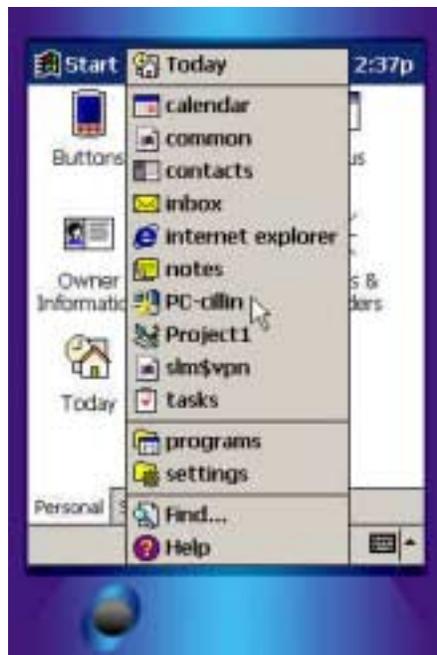


Figure 3-5. PocketPC Start menu

3.2 Scanning for Viruses (For all devices)

To scan for viruses, simply tap the **Scan** button. After completion of the scan, you are shown a list of viruses that were found on your computer.



Figure 3-6. PC-cillin start screen (PocketPC)

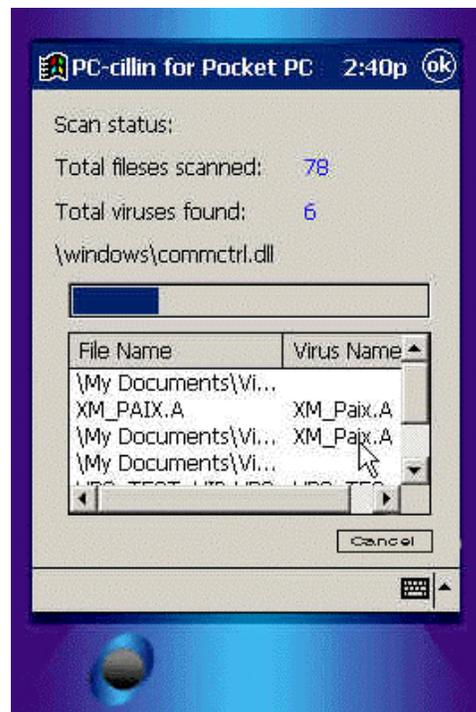


Figure 3-7. Scan status

On the top part of this screen, you can also see the number of files scanned and the number of viruses found. The Palm and EPOC versions of PC-cillin for Wireless 2.0 feature **Cancel** buttons on this screen, which allow you to stop an virus scanning.

3.3 Dealing with Viruses (For all devices)

There are two actions available if a virus is detected: bypass or delete.

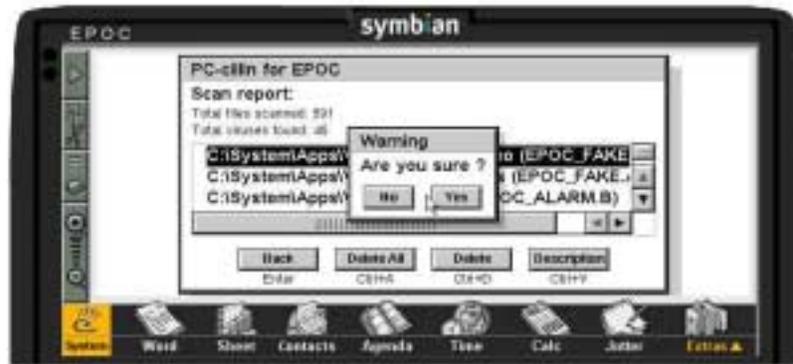


Figure 3-8. Scan result screen

- To take no action against the detected viruses, tap the **Back** button to return to the program's entry screen.
- To delete all detected viruses, tap the **Delete All** button.
- To delete only selected viruses, choose the target virus on the list of detected viruses, and tap the **Delete** button.

3.4 Getting Virus Information (For all devices)

Virus information can be viewed either from the main screen, or on the scan results screen.

3.4.1 From the Main Screen.

- Tap the **Virus Info** button. This opens the virus encyclopedia.

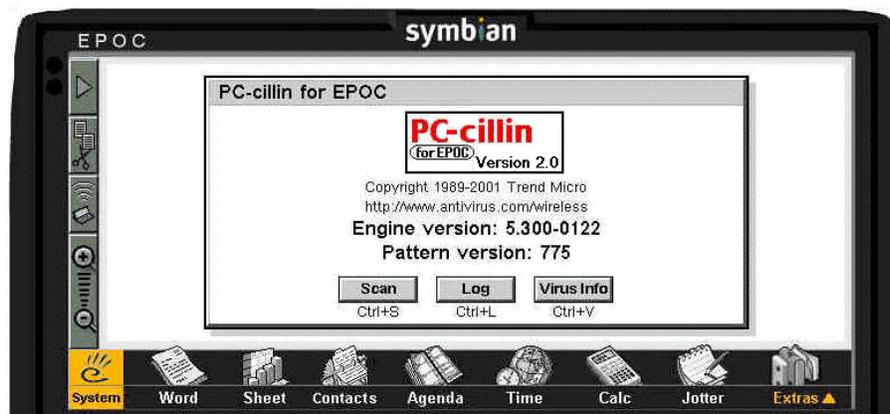


Figure 3-9. PC-cillin start screen (EPOC)

- Select the virus you wish to inquire about.
- Tap the **Description** button to view the virus description.

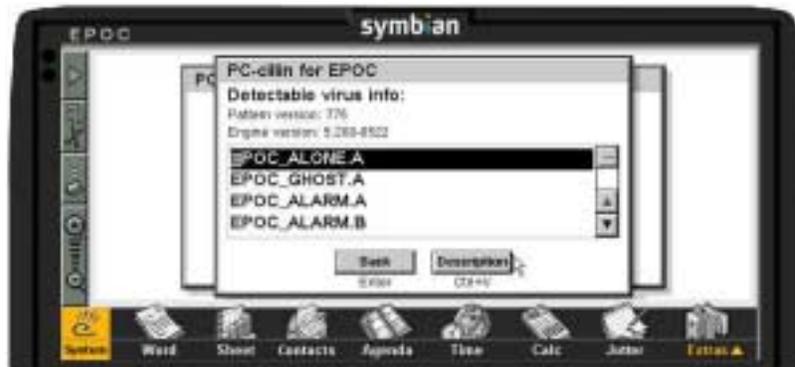


Figure 3-10. Detectable virus information window

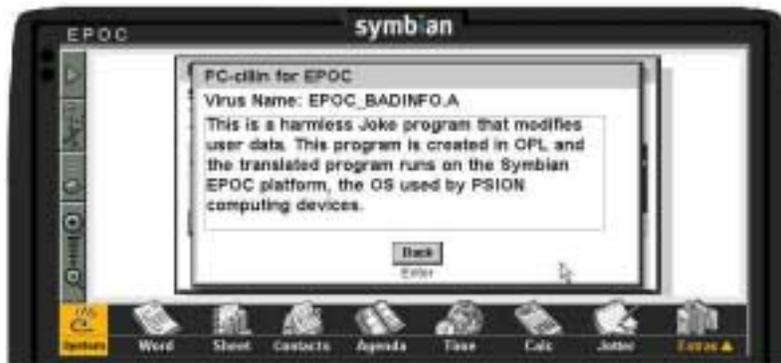


Figure 3-11 Virus information window

3.4.2 From the Scan Results Screen

- Select the virus you want to know more about from the list of detected viruses.
- Tap the **Description** button to view the virus description.



Figure 3-12. Scan result screen

3.5 Using the Virus Log (For all devices)

The virus log stores information about viruses detected during previous scans and the action taken against them. To view the log, tap the **Log** button on the main screen.



Figure 3-13. PC-cillin start screen

The *Virus Scan Log* screen shows the detected viruses as well as the size of the log in bytes. Tap **Back** to return to the main screen, or **Clear Log** to delete the log entries. In the latter option, a dialog box appears for you to confirm log deletion; tap **Yes** to continue, or **No** to abort the operation.



Figure 3-14. Virus scan log

3.6 Updating Program Files

Program file updates, for all three types of personal data assistants, require three common steps:

1. Download the new version of the main program file and save it in any convenient folder on your PC.
2. Make sure the PC-cillin program is not operating during the update.
3. Re-install the software; use the appropriate installation steps outlined in section 2.

3.7 Updating the Virus Pattern

3.7.1 For Palm

1. Download the new version of the pattern file, a *.pdb file, into the Add-on folder on your desktop machine.
2. Install the new pattern file via the **Palm Desktop Installation**. (See section 2.2.1 of this manual.)
3. Put your Palm OS platform device in the cradle and press the "**HotSync**" button.
4. Restart the main program; it will automatically delete the old pattern file and load the new one.

Note: PC-cillin for Palm only checks for new pattern files when it is started.

3.7.2 For EPOC

1. Download the new version of the pattern file, which is the `epc$vpn.xxx` file, into any convenient folder in your computer.
2. Use Windows Explorer to copy the new pattern file to the “**c:\System\Apps\PcciEpo**” folder of your EPOC. The device must be connected to your computer.
3. PC-cillin for EPOC will automatically delete the old pattern file and load the new one. EPOC performs real-time pattern file monitoring; it always uses the latest available pattern.

3.7.3 For Pocket PC

1. Download the new version of the pattern file, which is the `slm$vpn.xxx` file, into any convenient folder in your computer.
2. Use Windows Explorer on your computer to copy the new pattern file to the **My Device\Program Files\TrendMicro\PC-cillin for Pocket PC**” folder of your device. The device must be connected to your computer.
3. PC-cillin for Pocket PC will automatically delete the old pattern file and load the new pattern. The program checks for updated patterns once every minute.

4 Technical Support

For more information about this product, go to <http://www.antivirus.com/wireless>

Email-based technical support is provided at the following addresses:

For US, Canada, and other countries: support@trendmicro.com

For Taiwan: support@trendmicro.com.tw