

## **XTermPPC V3.1**

XTermPPC is a program for Pocket PC and Windows Mobile devices, and is used to communicate with Sutron's Xpert and Xlite (9210) products. It is similar to XTerm, the program for the desktop PC also used to communicate with the Xpert/Xlite. XTermPPC contains the essentially same functionality as XTerm for the desktop PC.

XTermPPC allows you to:

- See and manipulate the graphical display to do system setup.
- Download logs.
- Upgrade firmware.
- Transfer files between the Xpert/Xlite and your Pocket PC.

### **Compatibility**

XTermPPC version 3.1 is compatible with devices running Windows Mobile 2003 (sometimes referred to as Pocket PC 2003) and greater. If your device has either the PocketPC 2000 or PocketPC 2002 operating system, then download XTermPPC version 2.1.2 from [www.sutron.com](http://www.sutron.com). Note: version 2.1.2 cannot upgrade an Xpert2 or 9210B.

To use XTermPPC, your device needs one of the following: RS-232 port, or Compact Flash slot with add-on serial I/O card, or Bluetooth capability for use with add-on bluetooth to RS-232 converter. Note: Some PDAs provide RS-232 support through a conversion cable that connects to the PDA's docking port. These devices do not work well with XTermPPC when the installed operating system is Windows Mobile 5.0 or later.

XTermPPC version 3.0 is compatible with all Xperts and Xlites, including Xpert2 and 9210B.

### ***New with Version 3.1***

With the release of version 3.1, XTermPPC adds the following functionality:

- More reliable upgrade script processing
- Improved support for extended date-times
- Added phone number and IP address history
- Added ability to detect Xpert2s/9210Bs on the network

### ***Installing XTermPPC***

XTermPPC is installed by executing the installation program on your PC while it is connected to the Pocket PC device. Your PC must have Microsoft ActiveSync installed. If you do not have ActiveSync yet, it can be downloaded from <http://www.microsoft.com/windowsmobile/downloads>.

To install XTermPPC, perform the following:

- Connect your PC to your Pocket PC/Windows Mobile device, and ensure ActiveSync has detected it.
- Uninstall XTermPPC from your Pocket PC, if it is currently installed.
- Execute XTermPPCSetup.exe on your desktop PC. This file can be downloaded from [www.sutron.com](http://www.sutron.com).

## **Using XTermPPC**

Detailed instructions for using XTermPPC can be found in the Xpert or 9210 User Manual. However, some of the more important points are discussed here.

### **Null Modem**

In many cases, you need a null modem and gender changer to connect the handheld to the Xpert/9210. Specifically, if the sense of the connectors on the handheld cable and Xpert port are the same (either both DCE or DTE), then a null modem and gender changer are required.

### **Starting the Application**

Start XTermPPC by selecting Start – Programs – XTerm. The connect menu will appear. Select the com port (usually COM1, although the port number may be different if you're using Bluetooth or an add-on serial card).

Once XTermPPC has successfully connected, you see the Xpert/9210 application displayed on the screen in landscape mode. Tapping the handheld's screen passes the tap as a mouse click to the application. Hence, if you want to start recording, simply tap the start recording button on the display.

In addition to interacting with the Xpert/9210 application, you can access the XTermPPC menu in order to perform other tasks such as file transfer and upgrade. To access the menu, press-and-hold your stylus on the display screen until the menu appears. Then select the desired menu item.

### **File Transfer**

When in the file transfer dialog, you perform an action on a file by selecting the file, then tap-and-hold on the file to obtain the file transfer menu. Then select what you want to do with the file from the menu. This can include transferring the file and deleting the file.

### **Upgrade**

To upgrade an Xpert using XTermPPC, you must first copy over the program files to the PocketPC. Typically, these files come from the zip archive you download from [www.sutron.com](http://www.sutron.com). Copy all files to be upgraded into the "My Documents" folder on the PocketPC. This folder may be accessed from Windows Explorer (on your desktop PC) by selecting Mobile Device – My Pocket PC – My Documents.

Here are the files to copy over when upgrading a first generation Xpert or 9210:

- Xpert.lod
- Xpert.ker

- Xpert.ext
- Autoexec.bat
- Any custom sll files you desire. For each, add a line to Xpert.upg to send, e.g.:
  - s “mysll.sll”

Here are the files to copy over when upgrading an Xpert2 or Xlite2:

- Basic.sll
- Coms.sll
- Deflib.sll
- Engine.dll
- EzSetup.sll
- Logger.dll
- LogMgr.dll
- LZO.dll
- Remote.exe
- Satlink.sll
- SDI.dll
- Utils.dll
- Xpert.exe
- Autoexec.bat
- Xpert2.fil
- Xpert2.lod
- Xpert2.ker
- Xpert2.mon
- Any custom sll files you desire. For each, add a line to Xpert.upg to send, e.g.:
  - s “mysll.sll”

The files required to upgrade a first generation Xpert or Xlite require approximately 4MB of free storage space on your Pocket PC. The files for an Xpert2 or Xlite2 require approximately 11MB of space. You can check space available by selecting Start – Settings – System – Memory. You may need to adjust the amount of memory allocated to Storage so that the application can install.

After copying the files over, connect your PocketPC to COM1 of the Xpert and start XTermPPC. When you select the “upgrade” button from the main menu (tap and hold on the display), XTermPPC prompts you for a upg file. This file defines what files to upgrade. When upgrading a first generation Xpert or Xlite, select XpertPPC.upg. When upgrading an Xpert2 or Xlite2, select XpertPPC2.upg. After selecting the upgrade file, XTermPPC completes the upgrade automatically.

### ***Tested Platforms***

XTerm has been tested on the following Pocket PC platforms and accessories:

- HP iPaq 2215
- HP iPaq 4155
- HP iPaq 5455

- Socket Cordless Serial Adapter (Bluetooth dongle)
- Socket Compact Flash Serial I/O Card
- Quatech Compact Flash Serial I/O Card (CF232-R)

Users have reported XTermPPC also works well with The Archer ([www.junipersys.com](http://www.junipersys.com)) and the Trimble Recon ([www.trimble.com](http://www.trimble.com)).