

POWERMAX REMOTE PROGRAMMER Software Package



1. INTRODUCTION

1.1 Purpose and Use

The PowerMax Remote Programmer software is a utility program that runs on IBM-PC or compatible workstations. It allows offline preparation of programs, each of which is a set of parameters especially tailored for a specific PowerMax installation site. Programs prepared with this software can be downloaded into a PowerMax control panel either locally through an RS-232 serial data cable, or remotely via telephone lines and a modem at the computer's end of the line.

2. INSTALLATION

2.1 Installing the Modem

IMPORTANT! The modem used with the remote computer, be it internal or external, must be physically installed and then recognized by the Microsoft Windows operating system. If this has already been done, skip this paragraph and proceed to 2.2.

Install an internal modem in the computer, or use an RS-232 cable to connect an external modem to one of the computer's COM ports as instructed in the manual supplied with the modem (see Figure 1). Then connect the modem to the telephone line.

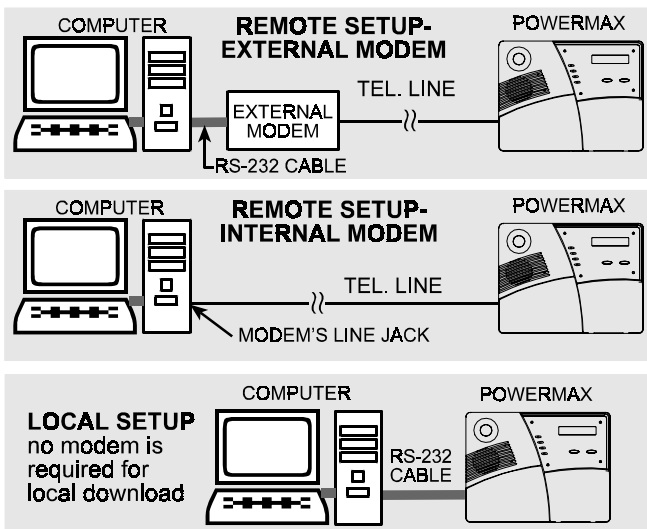


Figure 1. Remote and Local Download Configurations

The modems specified in the following list are suitable for PowerMax remote programming applications.

- A. Voice View 28800 bps
- B. Microcom Desk Porte 28.8S
- C. US Robotics 33.6 FaxModem
- D. US Robotics 56K Sportster
- E. Hayes Accura 336/56K Fax
- F. Zoom/Modem
- G. Hayes SmartModem 1200

Attention: Get an updated list of approved modems in the PowerMax website: www.coolsecurity.com.

After installing the modem, start your computer. In most cases Windows will detect the new hardware and will open a dialog box in which you will be prompted to install the driver for the new modem (from the manufacturer's CD).

1.2 Hardware / Software Requirements

- IBM-compatible PC with Pentium microprocessor (100 MHz or higher)
- Microsoft Windows 95®, Windows 98® or Windows NT®
- 16 megabytes of RAM (minimum)
- Hard disk with at least 8 megabytes of free space .
- For best performance, use a display driver with a resolution of at least 800 x 600 pixels.

If windows does not recognize the modem during startup, proceed as follows:

Click the **Start** menu and then select **Settings → Control Panel**. The control panel window will open up. Find the **Modems** icon and double click it. This will open an **Install New Modem** dialog box. Follow the instructions and let Windows find and install the new modem.

2.2 Installing the Software Package

A. Start Windows. Close all running applications, if any.

B. Insert **PowerMax Remote Programmer** CD into the CD drive.

Note: If your system includes the AutoPlay feature, the setup program starts automatically. Otherwise, proceed as follows:

C. On the **Start** menu, choose **Run** - the **Run** dialog box appears.

D. In the **Run** dialog box, type the drive letter of the CD drive you are using, followed by a colon, backslash, and the word "**setup**". For example, type: **d:\setup** .

E. Click **OK**. The installation welcome screen appears and the Installation program guides you through the entire process.

F. Click the **NEXT** button.

G. Follow the instructions on your monitor screen to complete the installation. Restart your computer when the Installation program prompts you to do so.

2.3 Launching the Software

In the course of installation, an icon of the PowerMax Remote Programmer has been placed on your computer's desktop - see Fig. 2. Find this icon and proceed as follows:

A. Double click the program icon. The login window will pop up, as shown in Figure 3.



Figure 2. Shortcut Icon

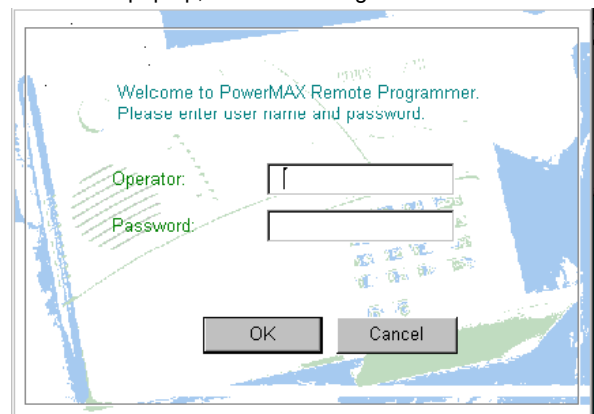


Figure 3. Login Window

- B. Type in the default operator's name "**visonic**" in the top text box and the default password "**powermax**" in the bottom text box. **Both entries are case-sensitive** - use lowercase letters!
- C. When done, click the **OK** button. The login window will disappear and the main program screen will be displayed, with a "**Sites**" window at the center (see Figure 4).

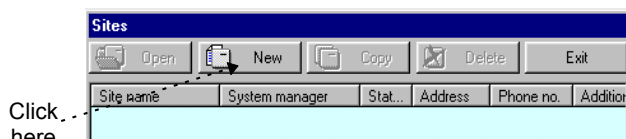
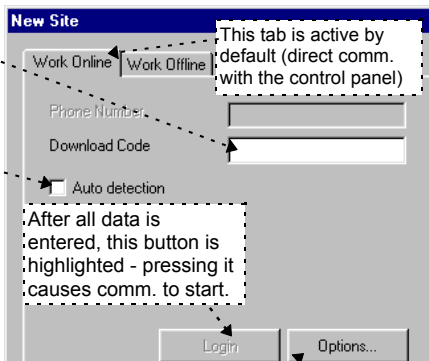


Figure 4. Sites Window

- D. Click the **New** button. The New Site window will appear:

Enter proper 4-digit download code to enable access to the control panel (see note below).

When Auto Det. is selected (active on serial com. only) the SW searches the PowerMax that is directly connected to the serial COM port - see fig. 16).



If you want to work online with telephone modem, press **Options** button and select "Telephone modem" from the Communication Mode field (see fig. 10).

Figure 5. New Site 'Work Online' Window

CAUTION! For local download, the PowerMax must be set to the installer mode. Otherwise it will not be detected by the software.

It is recommended to work online when opening a new site, so that the software will communicate with the control panel and will automatically select the PowerMax model.

To work online with telephone modem, press **Options** button and select **Telephone modem** from the Communication Mode field (see fig. 10). The following window will be displayed:

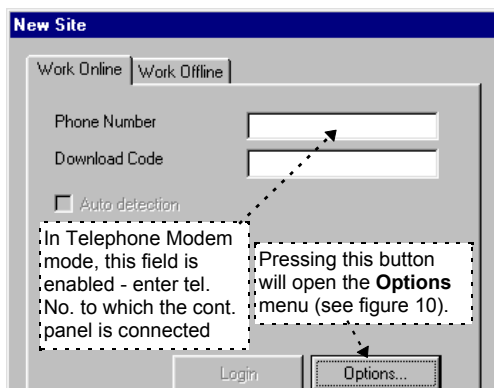


Figure 6. New Site Window in Telephone Modem Mode

If **Work Offline** is selected (see note below), the following window will be displayed:

Note: Please select "Work Offline" only if you know which PowerMax model you intend to program.

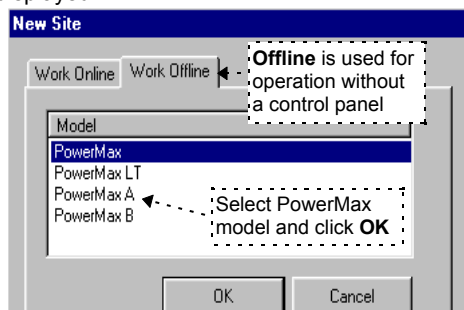


Figure 7. New Site - 'Work Offline' Window

- E. Click the **Options** icon at the top left corner of the main program screen (see Figure 8).



Figure 8. Clicking the Options Icon

This will open the **Options** menu, as follows.

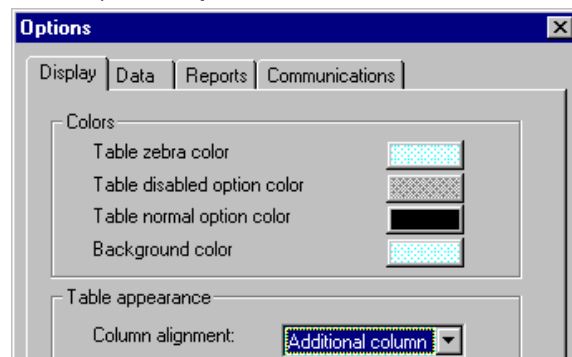


Figure 9. Options Menu

- F. Click the **Communications** tab to display the **Communications** dialog box (see Figure 10).

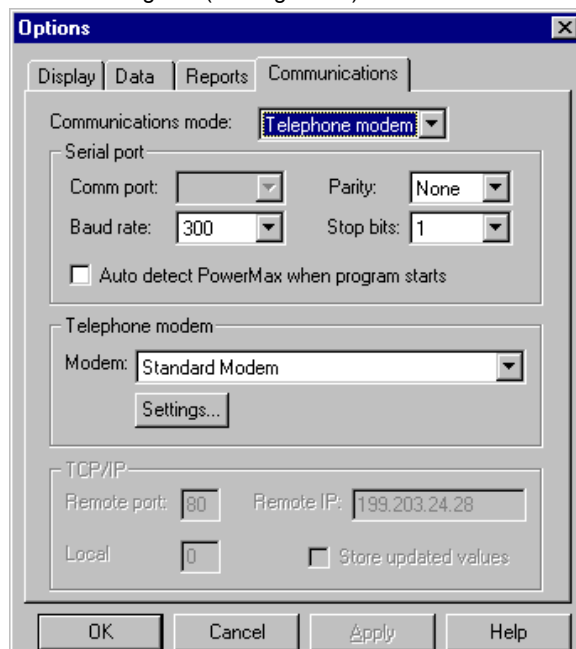


Figure 10. Communications Dialog Box

Note: You can see now that the software is set by default for remote programming - "Telephone Modem" is selected as the communication mode. If you intend to use remote programming, proceed to Para. 2.4 below. If you intend to use local programming, proceed directly to Paragraph 2.5.

2.4 Setting up for Remote Download

If you chose to set up for remote download, proceed as follows:

- A. Make sure that the values in the **baud rate**, **parity** and **stop bit** fields are as shown in Figure 8, and that the name of the modem your computer is using appears in the **Modem** field.
- B. Click "**Settings..**" (see Fig. 10). A dialog box will appear (see Fig. 11).

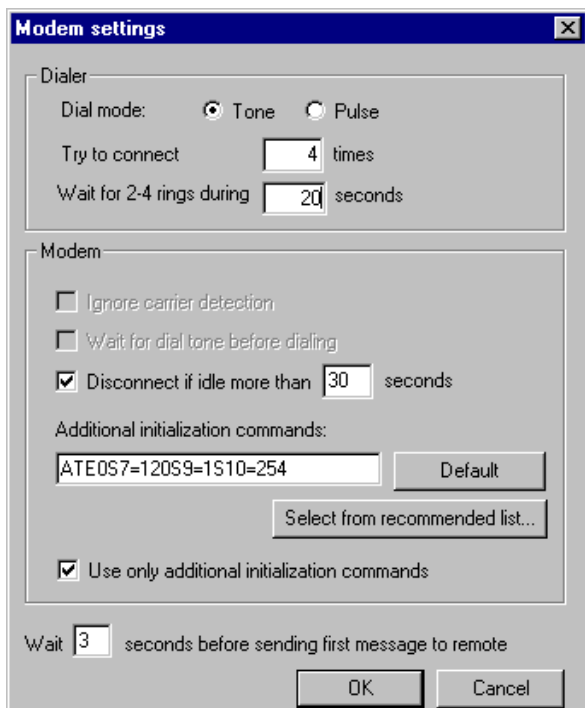


Figure 11. Modem Settings Dialog Box

- C. Click the tone or pulse option button according to the dialing mode used. At this stage, do not change the data shown in the "Try to connect" and "Wait for 2-4 rings during" fields.
- D. Make sure that the string of characters in the "Additional initialization commands" field is the correct one for the modem in use. Click on "Select from recommended list" to review the options and select the correct string (see Fig. 12).

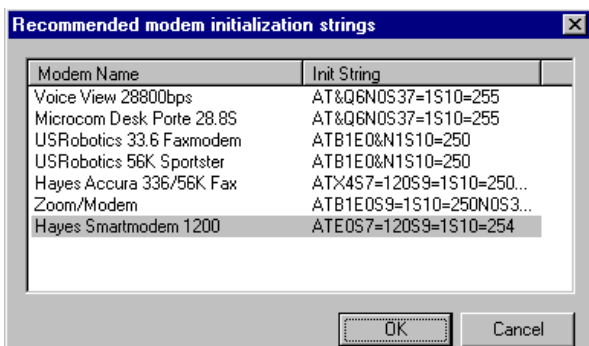


Figure 12. The Initialization String Selection Window

If the currently selected string is not the required one, highlight the one you need and click OK. The highlighted string will be copied into the "Additional initialization commands" field.

- E. Click the OK button in the Modem settings dialog box. This will bring back the Communications dialog box (see Figure 10). From here proceed directly to Paragraph 2.6.

IMPORTANT! If your software fails to communicate with the PowerMax from a remote location (via modem), you may make adjustments to the "Try to connect" and "Wait for 2-4 rings during" data fields in the Modem Settings dialog box (see Fig. 11). You may increase "Try to connect" from 4 to 6 times, and decrease the value of "Wait for 2-4 rings during" from 20 to 15 or even 12 seconds.

2.5 Setting up for Local Download

If you chose to set up for local download, proceed as follows:

- A. Open the drop down communication mode list, and highlight "Serial port" instead of "Telephone modem" (see Figure 13).

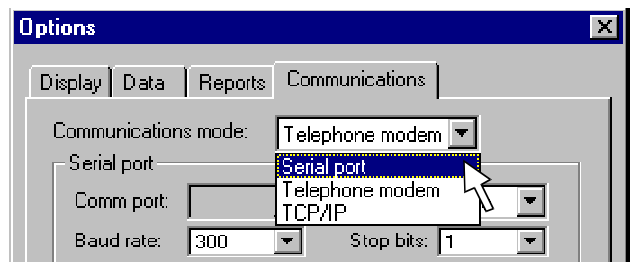


Figure 13. Opening the Drop-Down Mode List

- B. The dialog box will change as follows:



Figure 14. Serial Port Dialog Box

- C. Verify that the serial port definitions in the data fields are as shown in Figure 14 and proceed directly to Paragraph 2.6.

CAUTION! For local download, the PowerMax must be set to the installer mode. Otherwise it will not be detected by the software.

Attention! If you prefer automatic detection of the PowerMax each time the program is launched, you may click to enter a checkmark in the box near "Auto-detect PowerMax when program starts". This will cause the computer to automatically scan all COM ports for the presence of the PowerMax.

However, even if you fail to check this box, you can later initiate automatic detection of the PowerMax from the main menu, as shown in Figure 15.

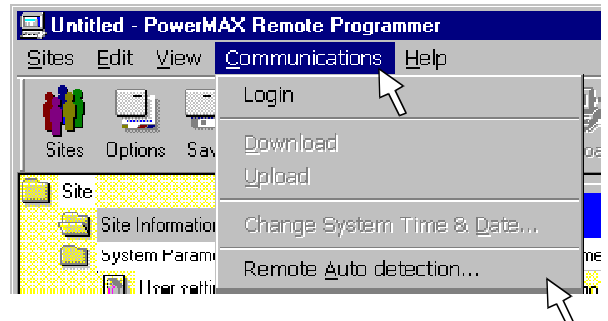


Figure 15. Initiating Auto-Detection from the Main Menu

While the computer scans the COM ports, a progress bar will appear, as shown in Figure 16 overleaf.

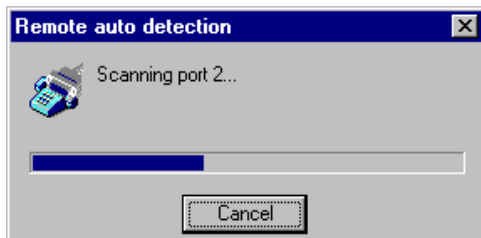


Figure 16. PowerMax Detection Progress Bar

If detection is unsuccessful, an error message will pop up "PowerMax is not detected". Successful detection will not produce any confirmation.

2.6 Final Steps

A. Click **OK** at the bottom of the **Options** menu. A message will pop up, as shown in Figure 17.

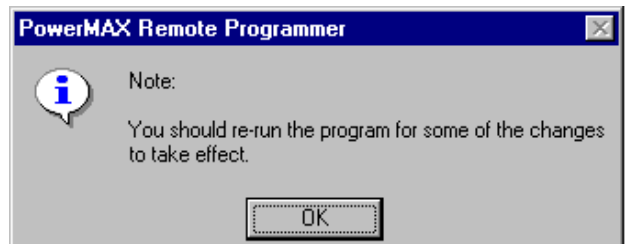


Figure 17. Message Viewed at the End of Setup

Click **OK**, exit the program by clicking the "X" at the top right corner of the main screen, and start the program once again.

B. You are now ready to use the program. Full on-line help is available by clicking on the icon of a book that has a question mark on the cover.

3. TROUBLESHOOTING

PROBLEM	DIAGNOSIS	POSSIBLE SOLUTION
A. The PowerMax Downloader Program doesn't identify the modem	A1. Your modem might be OFF or loosely connected.	A1. Make sure the modem is turned ON. A power switch is available on any external modem. The light on the front panel should illuminate. Note: An internal modem is powered up when the computer is turned on. Check whether the cable connectors are fitted securely to their respective ports: - The line connector in case of an internal modem - The line and RS-232 connectors in case of an external modem.
	A2. You may have a COM/IRQ conflict.	A2. Check whether you have the correct Com port and IRQ settings in your software and/or in the Windows control panel. Also verify that there are no conflicts with other devices.
B. Failure to communicate with the PowerMax via the modem.	B1. You may have a conflict with the definitions in the communication mode window.	B1. Make sure you selected the Telephone Modem option in the communication mode window. Also verify that the correct modem and INIT string are specified.
	B2. Your modem is set to work at a high baud rate.	B2. You need to set the baud rate to 300 bps
	B3. The modem type is different from the type displayed in the OPTIONS menu/Communications tab.	B3. Check that the correct modem type has been selected.
	B4. The initialization string is the wrong one for the modem in use.	B4. Select the correct string from the list of <u>Recommended Initialization Strings</u> .
	B5. Modem is not properly installed in operating system (Windows).	B5. Make sure that the modem is recognized by Windows - see instructions at the end of Para. 2.1.
C. PC fails to communicate with the PowerMax via the Serial Port.	C1. The RS-232 cable is disconnected from the Com Port of your PC.	C1. Verify proper connection of the RS-232 cable.
	C2. The PowerMax is not set to the installer mode.	C2. Set the PowerMax to the installer mode.
	C3. You may have a definition conflict in the OPTIONS menu/Communications settings	C3. Make sure that the Serial Port option is currently selected.
	C4. Your serial port is defined to work with high or low baud rate.	C4. Make sure 9600 bps option is currently selected in the OPTIONS menu / Communications.
	C5. You may have a COM Conflict.	C5. Verify that the correct Com Port is specified in the OPTIONS menu / Communications
D. You can not log into the PowerMax.	D1. The Download code is not defined in the download code field.	D1. Make sure you entered the correct code into the Download field.
E. The program doesn't behave normally after installation.	E1. You may have failed to restart your computer when prompted to do so at the end of installation.	E1. Restart your computer and run the program again.



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