EM3900-U

56K External Modem

Easy Start

Read Me First

Version 1.0

Product warranty does not apply to damage caused by lightning, power surges or wrong voltage usage.

This booklet contains information on setting up your modem EM3900-U. It touches on the key installation procedures and allows you to setup your modem within minutes!

For more detailed description of your modem and installation procedures, you may refer to the Readme.txt file.

Getting Started

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Congratulations on your purchase of the EM3900 External Modem! With this modem alone, you can perform data communications, send and receive faxes, as well as carry out telephone/speakerphone operations.

In addition to this installation guide, make sure you have the following items which will be required for the installation of your modem.
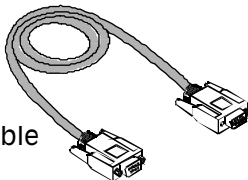
Items in the package:

1	EM3900 External Modem	4	Installation CD
2	AC Power Adopter	5	Serial Port Cable
3	Telephone Extension Cable		

EM3900 modem
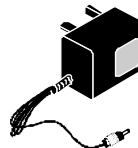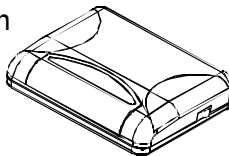
AC Power Adapter

Serial Port Cable

Telephone Extension Cable

Installation CD

Additional items:

1   A direct analog telephone line
2   A free (9-pin) COM port
3   A power socket for power adapter
4   Complete PC system running Windows® Me/98/95/2000/Windows NT® 4.0
5   A telephone set (optional)
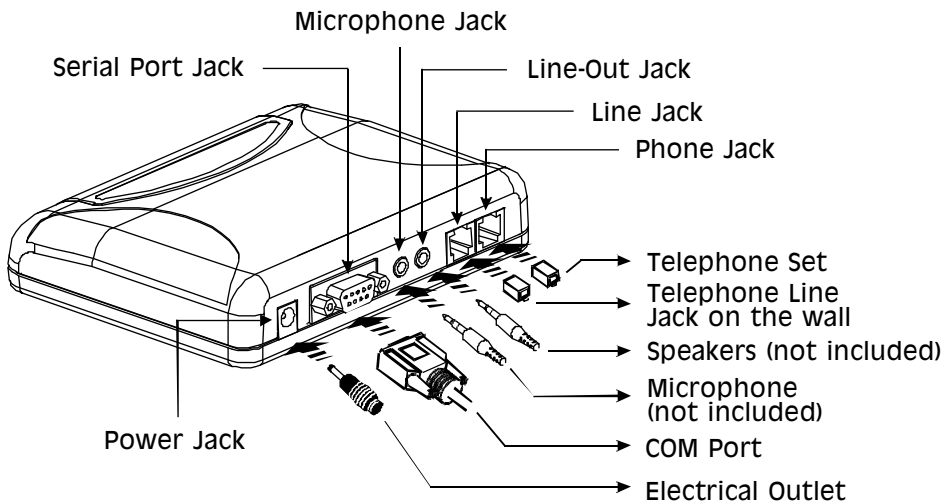

Note: **The actual items which come with your package may differ in appearance from country to country.**

Knowing your Modem


Familiarize yourself with the various parts of your modem. This will be useful during the installation later on.

Microphone Jack

Serial Port Jack

Line-Out Jack

Line Jack

Phone Jack

Telephone Set

Telephone Line
Jack on the wall

Speakers (not included)

Microphone
(not included)

COM Port

Electrical Outlet

Power Jack

AA: Auto Answering
CD: Data Carrier Detect
RD: Receive Data
SD: Send Data
TR: Terminal Ready
**CS**: Clear To Sent
OH: Off Hook
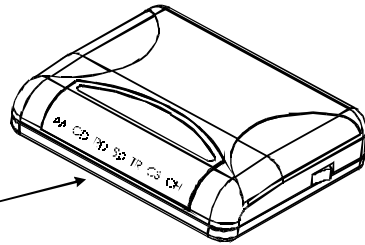
Installing your Modem

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This section will guide you through the installation of your modem. Just follow the instructions below and you will have your modem installed in minutes.

Remember to switch off your computer and any connected devices before starting with the installation of your modem.

1. Connect the Male Plug of the Serial Port Cable to the Serial Port Jack on the modem.
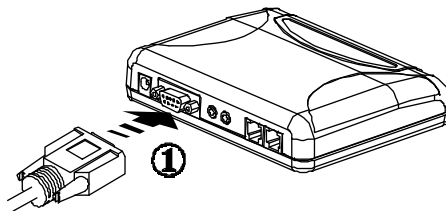
2. Connect the Female Plug of the Serial Port Cable to the 9-pin serial port on your computer. *(The location of your computer's serial port may differ from the illustration on the next page. Refer to your computer's user guide for the exact location of the serial port.)*

    If you do not have a 9-pin port free, you would require a 9-to-25-pin converter.
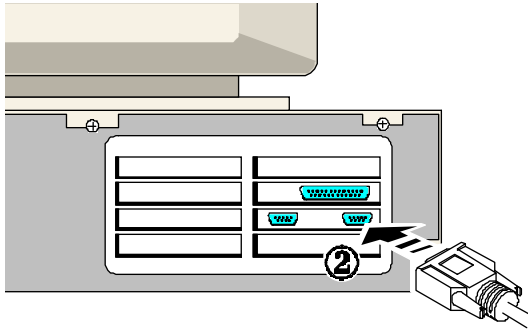
3.   Connect a **telephone set** to the Phone Jack on the modem (optional).

(This connection is optional. It eliminates the need to switch between your telephone set and your modem if they are sharing the same telephone wall socket)

4.   Connect one end of the Telephone Extension Cable to the Line Jack on the modem.
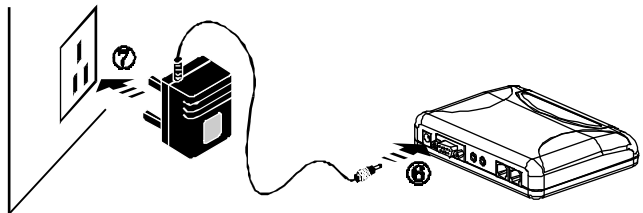

5.   Connect the other end of the Telephone Extension Cable to a Telephone Jack on the wall.
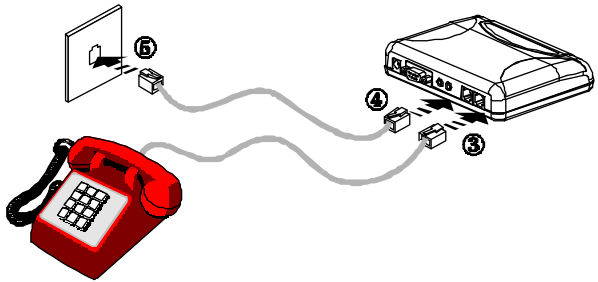
6.   Connect the AC Power Adapter Jack to the Power Jack on the modem.

7.   Connect the AC Power Adapter Plug to an electrical outlet.
(The AC Power Adapter Plug in your modem package may differ from the illustration above. However, the connection procedure is still applicable.)

Installing the Modem Drivers in Windows® Me

1. Power on the modem. The red LED indicator lights up on the modem's front panel.

2. Power on your computer to start Windows.

3. Windows® Me will detect the new modem and an "**Add New Hardware Wizard**" window will appear.

4. Insert the Installation CD into your CD-ROM drive. Choose the option "**Specify the location of the driver**" and then click **Next**.

5. Select the **Specify a location** option and then browse to the "*Winme*" folder on the Installation CD. Click **Next**.

6. Click **Next** to install the driver found.

7. Click **Finish** when the installation is completed.

8. You would be prompted to set the country that you are currently in. Select your country and then click **OK** (You can also set the country later on).

9. This completes the installation of the modem drivers in Windows® Me. Proceed to test your modem.
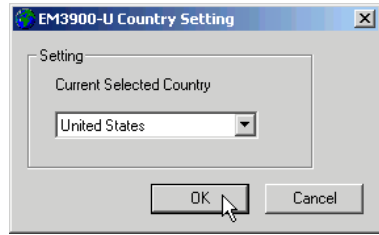
Installing the Modem Drivers in Windows® 98

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1. Power on the modem. The red LED indicator lights up on the modem's front panel.

2. Power on your computer to start Windows.

3. Windows® 98 will detect the new modem and an "**Add New Hardware Wizard**" window will appear.

4. Insert the Installation CD into your CD-ROM drive and click the **Next** button.

5. Windows® 98 will prompt for a searching method for drivers. Choose the option **Search for the best driver for your device** and click **Next**.

6.   Next, choose **Specify a location** and browse to the "***win9x***" folder on the Installation CD. Click **Next**.

7.   Windows will prompt that the driver on the installation CD is found. Click **Next** to start the drivers installation.

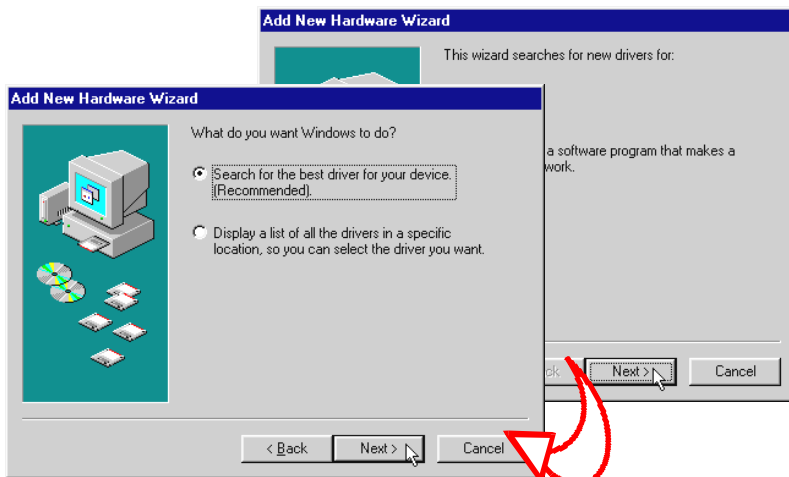8.   When the installation is completed, click **Finish**.
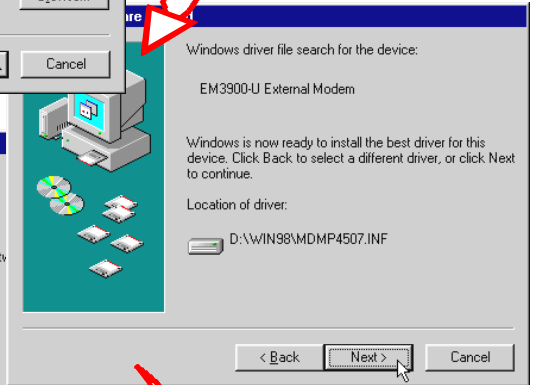
9.   You would be prompted to set the country that you are currently in. Select your country and then click **OK** (You can also set the country later on).

10. This completes the installation of the modem drivers. Proceed to test your modem.

Installing the Modem Drivers in Windows® 95

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1. Power on the modem. The red LED indicator lights up on the modem's front panel.

2. Power on your computer to start Windows.

3. Windows® 95 will detect the new modem and an "**Update Device Driver Wizard**" window will appear. Insert the Installation CD into the CD-ROM drive and click **Next**.

Update Device Driver Wizard

This wizard will complete the installation of:

local drives, network, and Internet
ost current driver.

or CD-ROM that came with this device,

that you let Windows search for an
do this, click Next to continue.

Next >   Cancel

Update Device Driver Wizard

Windows was unable to locate a driver for this device.

If you do not want to install a driver now, click Finish. To search for a driver manually, click Other Locations. Or, to begin the automatic search again, click Back.

Other Locations...

< Back   Finish   Cancel

Select Other Location

Type the name of the folder that contains the driver you want. To search for a folder, click Browse.

Location

D:\win9x   Browse...

OK   Cancel

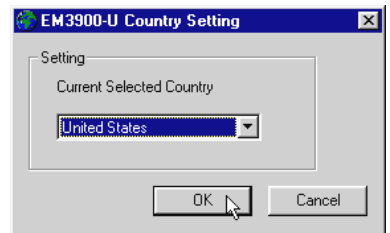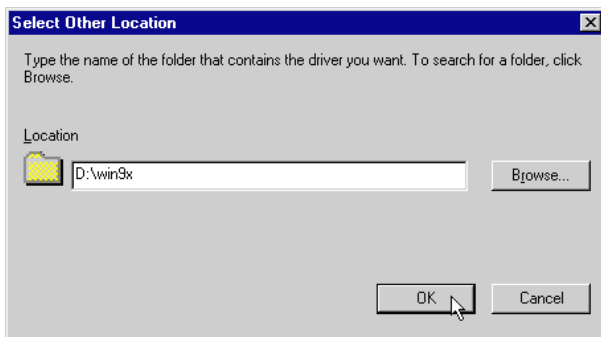4. Direct Windows to the folder where the drivers are located by clicking **Other Locations...** .

5. Browse to the **"*Win9x*"** folder on your CD-ROM drive and click **OK**.

6. Windows will prompt that the updated driver is found. Click **Finish** to install the driver found.

7. When the system prompts for the Installation CD, click **OK**.

8. The **Copying Files...** window will appear. Type **D:\Win9x** in the text box (If D is not the letter of your CD-ROM, substitute with the appropriate letter) and click **OK**.

9. You would be prompted to set the country that you are currently in. Select your country and then click **OK** (You can also set the country later on).
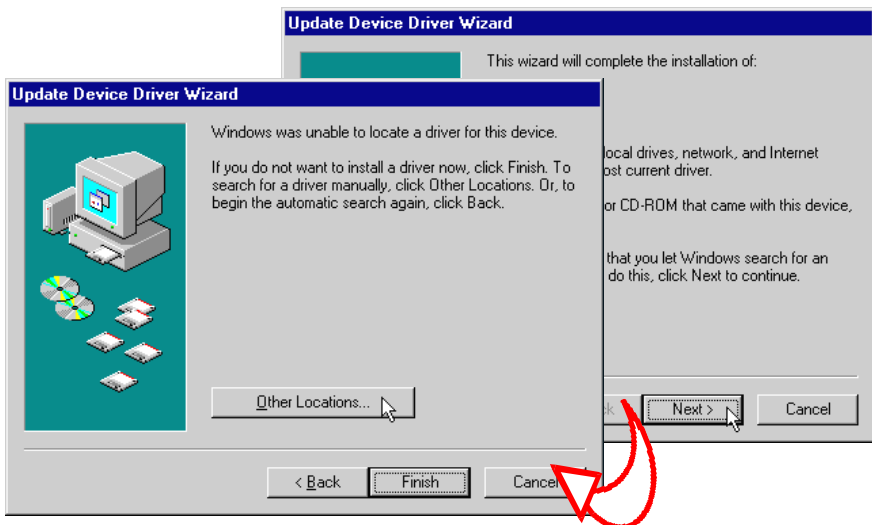
10. This completes the installation of the modem drivers. Proceed to test your modem.
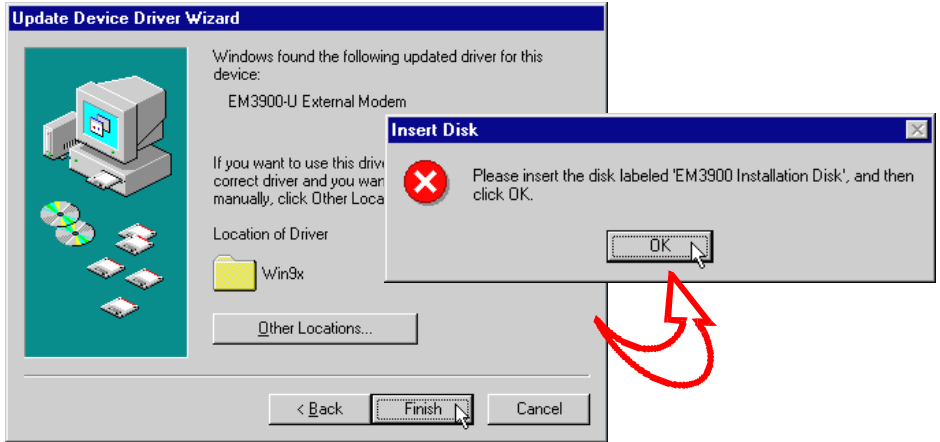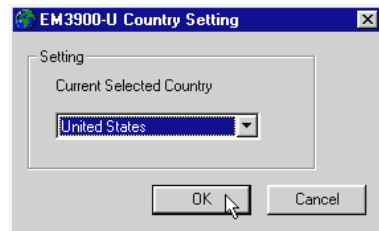
Installing the Modem Drivers in Windows® 2000

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1. Power on the modem. The red LED indicator lights up on the modem's front panel. Power on your computer to start Windows.

2. Windows will detect the newly-installed modem card and a **Found New Hardware Wizard** window will appear. Click **Next**.

3. Windows will prompt for the installation of the modem driver. Choose **Search for a suitable driver for my device (recommended)** and click **Next**.
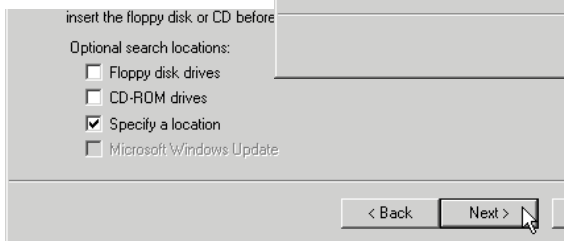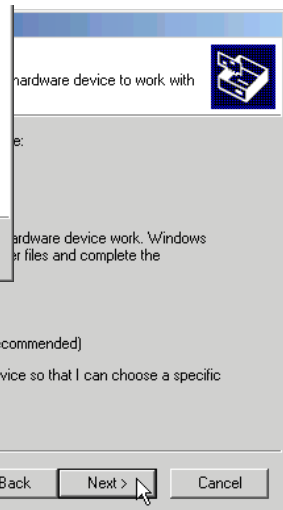
4. Select the **Specify a location** option and then click **Next**.

5.   Place the Installation CD into your CD-ROM drive and then browse to the "**Win2000**" folder on the Installation CD. Click **OK**.
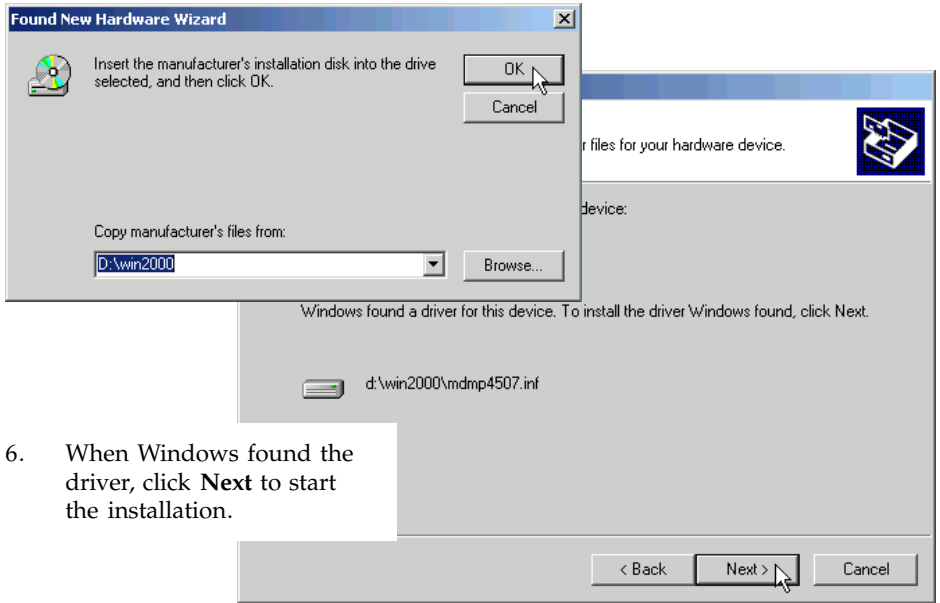
6.   When Windows found the driver, click **Next** to start the installation.

7.   Click **Yes** to continue if a **Digital Signature Not Found** window appears.

8.   You would be prompted to set the country that you are currently in. Select your country and then click **OK**.

9.   Click **Finish** when installation is completed.

10.   This completes the installation of the modem drivers. Proceed to test your modem.

Installing the Modem Drivers in Windows NT® 4.0

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1.   Power on the modem. The red LED indicator lights up on the modem's front panel.

2.   Power on your computer to start Windows NT® 4.0.
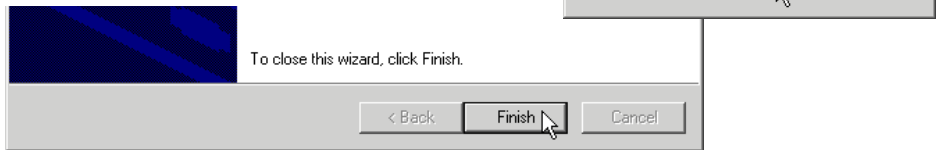
3.   Go to the **Control Panel** and double-click on the **Modems** icon.

4.   An "**Install New Modem**" window will appear. Click **Next** to continue.

5.   Windows NT® will attempt to detect the new modem and will prompt that an "EM3900-U External Modem" is found on the COM Port the modem is connected to.

6.   Click the **Change** button.

7.   In the next screen, click the **Have Disk** button.

8.   Type ***D:\WinNT4*** (assuming your CD-ROM drive letter is D) into the path box and click the **OK** button.

9.   Another screen with "EM3900-U External Modem" listed will appear. Highlight the selection and click the **OK** button.

10.   Click **Next** in the next screen and then **Finish** in the final screen.

11.   A **Modem Properties** window will appear. Click on the **Dialing Properties** button. Enter the required location information and then click the **Close** button. Restart your system.

12.   Upon restarting, you would be prompted to set the country that you are currently in. Select your country and then click **OK**. Proceed to test your modem.
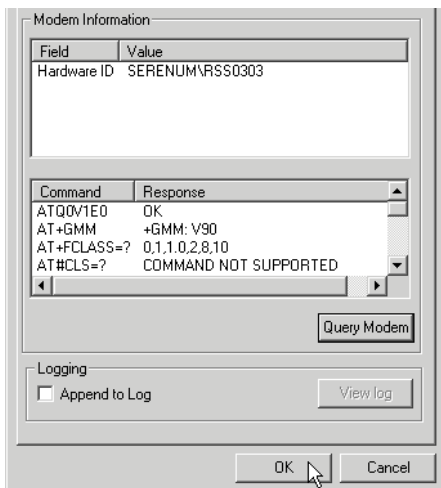
Testing the Modem

Windows® Me/98/95

1. Make sure your modem is switched on.

2. From the Windows taskbar, click **Start** > **Settings** > **Control Panel**.

3. Double-click the **Modems** icon.

4. Click the **Diagnostics** tab and select the **Modem** device. Click on **More Info** button.

5. If your modem is working properly, the **More Info...** window (as shown on the right) with a list of AT commands, will appear. Note that the Port Information shown here may differ from what you actually see.
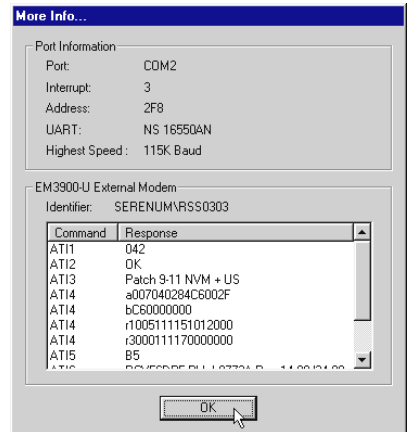
Windows® 2000

1. Make sure your modem is switched on.

2. From the Windows taskbar, click **Start** > **Settings** > **Control Panel**.

3. Double-click the **Phone and Modem Options** icon, then click the **Modems** tab. Select your newly-installed modem and click **Properties**.

4. Select the **Diagnostics** tab. Click on the **Query Modem** button. If your modem is installed properly, a list of AT commands will be displayed. Click **OK**.

Windows NT® 4.0

1.   Check that your modem is switched on.

2.   From the Windows taskbar, click **Start** > **Programs** > **Accessories** > **HyperTerminal** > **HyperTerminal**.

3.   A dialog box appears, requesting your location's information. Enter the information and click **Close**.

4.   Next, enter a name for the new connection and click **OK**.

5.   Enter any phone number and make sure that the **EM3900-U External Modem** is selected, then click **OK**.

6.   When the **Connect** dialog box appears, click **Cancel**.

7.   Type '**AT**' and then press **Enter** on your keyboard. You should see a response — **OK**. This means that your modem is installed successfully.

Setting the Country

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If you did not set the country when prompted to do so after the installation of the drivers, or you wish to change the current setting, click **Start** on the taskbar and then click **Run**. Type *setcty* in the text box, then click **OK**. Change to your current country.

Maintaining the Modem

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1.   Switch off the modem and adapter when the modem is not in use.

2.   During times of lightning strike/thunderstorm, do not use the modem.

3.   Keep the modem away from direct sunlight and heat. Do not spill fluid on the modem.

4.   Do not introduce any foreign material to the modem through the ventilation slits, for example, by dropping foreign items into it or by poking it.

Uninstalling the Modem

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Windows® Me/98/95

1. From the **Control Panel**, double-click the **Add/Remove Programs** icon.

2. Select your modem and then click the **Add/Remove...** button. Follow the instructions to uninstall the modem.

Windows® 2000

1. From the Windows desktop, right-click on the **My Computer** icon and choose **Properties**.

2. Click the **Hardware** tab and then the **Device Manager...** button.

3. The **Device Manager** window will appear. Double-click on **Modems** and then right-click on your modem. Choose **Uninstall.** Follow the instructions to uninstall the modem.

4. Next, from the **Control Panel**, double-click the **Add/Remove Programs** icon.

5. Select your modem and then click the **Change/Remove** button. Follow the instructions to uninstall the modem.

Windows NT® 4.0

1. From the **Control Panel**, double-click the **Modems** icon.

2. A **Modem Properties** window will appear. Click on the **Remove** button. Follow the instructions to remove the modem.

3. Next, from the **Control Panel**, double-click the **Add/Remove Programs** icon.

4. Select your modem and then click the **Add/Remove...** button. Follow the instructions to uninstall the modem.