

Wireless Modem with Bluetooth®

U S E R ' S M A N U A L



NOTICE

This document contains proprietary information protected by copyright, and this Manual and all the accompanying hardware, software, and documentation are copyrighted. No part of this document may be photocopied or reproduced by mechanical, electronic, or other means in any form.

The manufacturer does not warrant that the hardware will work properly in all environments and applications, and makes no warranty or representation, either expressed or implied, with respect to the quality, performance, merchantability, or fitness for a particular purpose of the software or documentation. The manufacturer reserves the right to make changes to the hardware, software, and documentation without obligation to notify any person or organization of the revision or change.

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Zoom is under license.
Bluetooth Qualified Products List (QPL) No.: BQ10007276

Other trademarks and trade names are those of their respective owners.

**© Copyright 2003
All rights reserved.**

Contents

| | |
|---|-----------|
| 1 GETTING STARTED..... | 4 |
| PACKAGE CONTENTS..... | 4 |
| YOU WILL ALSO NEED | 4 |
| 2 TYPICAL COMPUTER INSTALLATION | 6 |
| CONNECT THE MODEM HARDWARE | 6 |
| SET UP YOUR BLUETOOTH CONNECTION | 6 |
| IF YOU ARE INSTALLING AOL | 11 |
| IF YOU WANT TO USE YOUR MODEM FOR FAXING | 12 |
| 3 TYPICAL PDA INSTALLATION | 14 |
| CONNECT THE HARDWARE | 14 |
| SET UP DIAL-UP NETWORKING AND ESTABLISH COMMUNICATION | 14 |
| SET UP DUN FOR YOUR INTERNET ACCOUNT | 15 |
| 4 SERIAL PORT INSTALLATION | 17 |
| INSTALLING THE SOFTWARE ON A WINDOWS PC | 17 |
| SET UP A DIAL-UP INTERNET CONNECTION..... | 19 |
| REMOVING THE MODEM | 20 |
| APPENDIX A: FRONT AND BACK PANEL INFORMATION..... | 21 |
| APPENDIX B: REGULATORY INFORMATION | 22 |

1

Getting Started

This User's Manual is organized according to the different ways that you can use your Bluetooth modem:

- *Wirelessly with a Personal Digital Assistant (PDA)*
- *Wirelessly with a Windows® computer*
- *With a traditional serial cable to a PC, Macintosh, or Linux-based machine.*

Package Contents

Before beginning, make sure that your package includes the following items.

- 56K modem equipped with Bluetooth wireless technology
- Phone cord (and phone adapter if required)
- Power adapter
- CD
- Velcro® to attach the modem to the wall (optional).

If anything is missing or damaged, contact your supplier.

You Will Also Need

To set up a wireless connection to the modem, you will need a Windows 98SE, Me, 2000, or XP computer or Personal Digital Assistant (PDA) equipped with Bluetooth wireless technology or a Bluetooth adapter. Many computers and PDAs include built-in Bluetooth capability. If yours does not, you will have to purchase an adapter separately.

Note: Your Zoom modem is a Bluetooth Class 1 modem. Many of the Bluetooth adapters that are built into computers today are Class 3. The Zoom modem works with all three classes of Bluetooth devices, but you should be aware of the differences. Class 1 devices can communicate over a range of 100 meters; Class 2, 10 meters; and Class 3, 10 centimeters. If you are using different classes, the distance over which you can communicate will be limited by the lower class of Bluetooth device.

Alternatively, you can use your Bluetooth modem to achieve a traditional, wired dial-up connection to the Internet. If you want to use your modem in this way, you will need a computer with a serial port (and a CD-ROM drive if you are using Windows), and an RS-232 serial cable to connect the modem to your computer.

2

Typical Computer Installation

This chapter is for users with Windows desktop or notebook computers. If you have a PDA, go to page 14.

There are a few basic steps associated with setting up your Bluetooth wireless modem and establishing a dial-up connection to the Internet.

- *Connect the hardware.*
- *Install any necessary software (if not already installed).*
- *Pair the Bluetooth modem with your computer and enter the modem's PIN.*
- *Set up Dial-Up Networking (DUN).*
- *Enable faxing (optional).*

Connect the Modem Hardware

- 1 On the back of the modem, make sure the selectable switch is all the way to the left, the side marked **BT** (for Bluetooth).
- 2 Plug one end of the supplied phone cord into the modem's **Line** port, and plug the other end into a telephone wall jack.
- 3 Plug one end of the included power adapter into the modem and the other end into a wall outlet or power strip.

Set Up Your Bluetooth Connection

To set up a wireless dial-up connection to the Internet with your Bluetooth modem, you must have a Bluetooth adapter. Some computers have built-in adapters; if your computer doesn't, you will have to purchase one separately. You can check by right-clicking on your computer's **My Computer** icon, selecting **Properties**, and then clicking the **Hardware** tab (Windows 2000/XP users only) and then the **Device Manager** tab. If

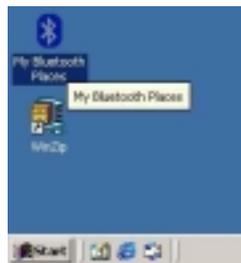
Bluetooth is installed, it will be listed under **Device Manager**. Alternately, you can go to **Start | Settings | Control Panel**, and click **Add/Remove Programs**. If Bluetooth is installed, its name will appear in the list.

If you need to install a Bluetooth adapter, the basic instructions are similar, regardless of the brand of adapter. For example, you would install software from a CD and then connect the adapter to your computer. If your adapter is not yet installed, you should install it now, before setting up your modem's dial-up Internet connection. Refer to the instructions included with your adapter for proper installation.

Important: As part of the Bluetooth adapter installation process, an icon named **My Bluetooth Places** is installed on your computer desktop.

1 Windows 98Se/ME/2000 Users:

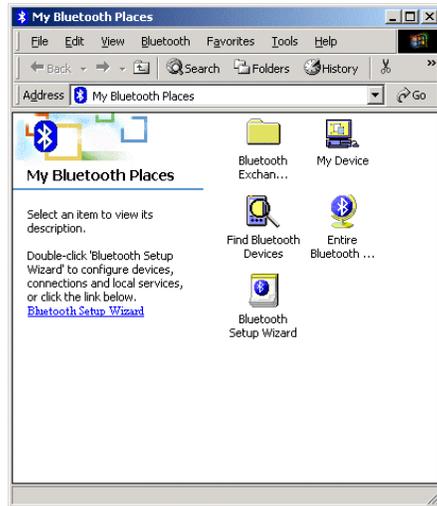
Double-click the **My Bluetooth Places** icon on your desktop. (**Note:** If this icon is not visible, go to **Start | Programs | Bluetooth** or refer to the box above.)



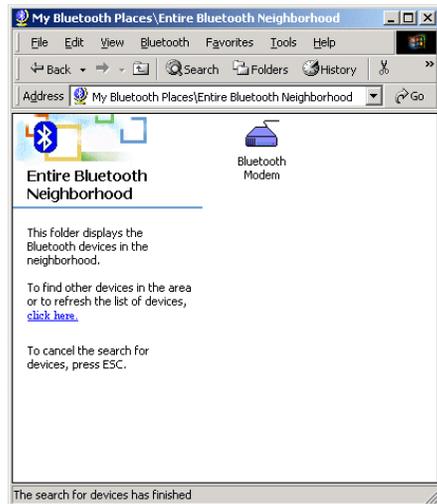
Windows XP Users:

Right-click the Bluetooth icon in the computer system tray and select **Quick Connect | Dial-up Networking | Find Devices**. Proceed to Step 4 on page 9.

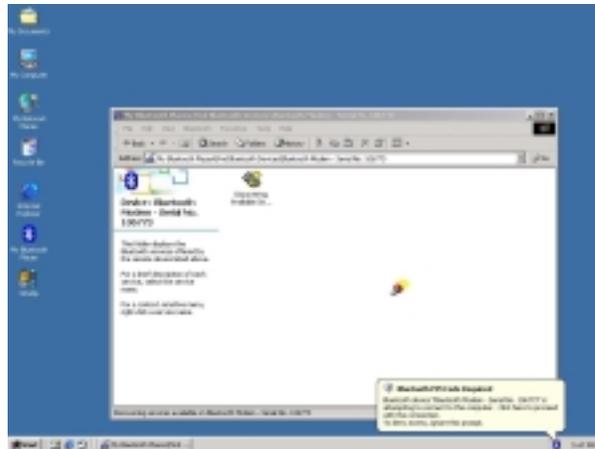
- 2 A folder with the same name displays. Double-click the **Find Bluetooth Devices** icon. The Bluetooth software begins searching for any surrounding remote devices (for example, your Zoom modem).



- 3 When the software discovers your modem, it places an icon named **Bluetooth Modem** in your Bluetooth folder. Double-click this icon.



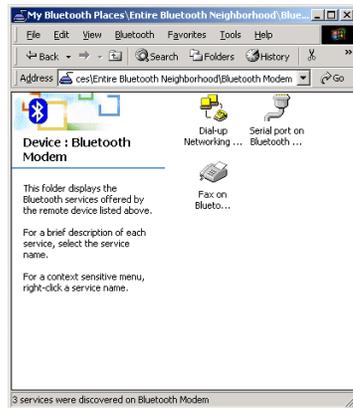
- 4 A **Bluetooth PIN Code Required** box appears in your system tray, stating the need for a PIN (personal identification number). Windows needs this PIN to link your Bluetooth device and computer. (A PIN is sometimes called a passkey.) Click this dialog box.



- 5 The **Bluetooth PIN Code Request** dialog box displays. Type in the modem's PIN and click **OK**. **Note:** The PIN is located on the label on the bottom of your modem.



- 6 Once the modem is paired with your computer, the **My Bluetooth** folder displays several service option icons, including:
- Dial-up Networking on BluetoothModem
 - Fax on BluetoothModem
 - Serial Port on BluetoothModem.

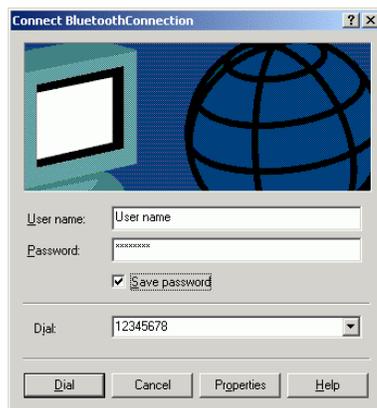


Double-click **Dial-up Networking on BluetoothModem**.

If you intend to use your modem with America Online (AOL) CD software that has not yet been installed, skip to page 11.

Note: If you want to use the modem's faxing capability, refer to page 12.

- 7 If this is your first time using a dial-up connection, a **Location Information** dialog box will display. Enter your city or area code and then click **Close**. If not, skip to Step 8.
- 8 The **Connect To** dialog box displays. Enter the user name, password, and phone number supplied by your Internet Service Provider, and then click **Connect**. The modem will dial. Once the Internet connection is established, you can open a web browser.



That's it! You've installed your modem for typical wireless use. If you would like more information, consult the context-sensitive Bluetooth help included with your adapter. You can also visit our Web site to check for updated information.

To use your wireless modem for faxing, refer to page 12. If you sometimes want to use your modem with a cable connecting to your computer, turn to page 17. If you don't want to do either of these things, you're done. Enjoy your modem!

Tip: You can mount your modem on the wall using the supplied Velcro strips. For each Velcro pair, peel off one side of the adhesive paper backing and attach the Velcro strip to the bottom of the modem—be careful not to cover the Reset button. Then peel off the other side of the adhesive backing; and attach the modem to the wall. After placing the modem on the wall, you can swivel its multidirectional antenna.

If You Are Installing AOL

If you are installing AOL from a CD, follow these steps to ensure that your connection is set up properly. **Note:** You should have already “paired” the adapter and modem as explained in the previous section, **Set Up Your Bluetooth Connection** (page 6).

- 1 You need to know which COM port your Bluetooth modem is using. Right-click the Bluetooth icon in the system tray and select **Advanced Configuration**. Click the **Client Applications** tab, highlight the **Dial-up Networking** entry, and click the **Properties** button.
 - Windows 98SE/Me users: Click the **Configure** button. The **Bluetooth Connections** dialog box displays; click **Configure**.
 - Windows 2000/XP users: The **Bluetooth Properties** dialog box displays. Click the **Configure** button next to the **Bluetooth Connection** entry.

The modem and its COM port will be listed. Make a note of it.

- 2 As part of the AOL CD's installation process, the Connection Wizard will prompt you for your Internet connection type. Your choices include Modem (telephone line connection),

TCP/IP, and Home Network. Select **Modem (telephone line connection)**.

Note: If multiple modems are installed on your computer, you will see multiple **Modem** entries. Double-click each one until you locate the one that is using the Bluetooth modem's COM port.

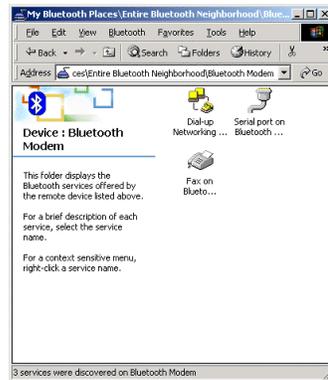
Once the AOL CD installation is complete, you can double-check your modem's COM port connection at any time. From the main AOL Sign On screen, click the **Setup** button and then click **Expert Setup**. Make sure the **Devices (modems, etc.)** tab is foremost; you will see an entry for your Bluetooth modem along with its associated COM port.

If You Want To Use Your Modem for Faxing

To use your wireless modem's faxing capability, follow these steps.

1 **Windows 98SE/Me/2000 Users:**

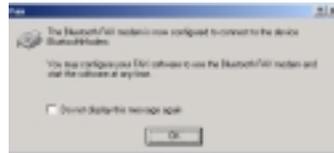
From the **My Bluetooth Places** folder, open the **Entire Bluetooth Neighborhood** folder and double-click **Bluetooth Modem** to display available services.



Windows XP Users:

Right-click the Bluetooth icon in the system tray and select **Quick Connect | Fax | Find Devices**. Highlight the Bluetooth modem in the list and click **Connect**. Proceed to Step 3.

-
- 2 Right-click **Fax on BluetoothModem** and then select **Connect Fax** to display the following dialog box.



Click **OK**.

-
-
- 3 You can now use your computer's built-in faxing software or any third-party faxing software to send a fax. **Note:** Once you've sent a fax, your faxmodem connection will automatically disconnect. However, once you have enabled your modem's faxing capability, whenever you create a fax, the modem will automatically dial-up and send it.

3

Typical PDA Installation

The basic steps associated with setting up your Bluetooth wireless modem and your PDA include the following tasks:

- *Connect the hardware.*
- *Set up Bluetooth for Dial-up Networking (DUN) and establish a connection between the PDA and the modem.*
- *Create a dial-up connection to the Internet.*

Connect the Hardware

- 1 On the back of the modem, make sure the selectable switch is all the way to the left, the side marked **BT** (for Bluetooth).
- 2 Plug one end of the supplied phone cord into the modem's **Line** port, and plug the other end into a telephone wall jack.
- 3 Plug one end of the included power adapter into the modem and the other end into a wall outlet or power strip.

Note: To establish a Bluetooth connection with your PDA and this modem, your PDA must have built-in Bluetooth capability or a Bluetooth flash adapter/cradle. You cannot proceed with these instructions unless the Bluetooth function is enabled. **Tip:** If Bluetooth is enabled, you will see a Bluetooth entry in your Programs folder.

Set Up Dial-up Networking and Establish Communication

- 1 Go to **Start | Programs | Bluetooth Manager**. From the list of options, tap **Dial-up Networking (DUN)** and then **Enable DUN**. **Note:** If you cannot bring up Bluetooth

Manager, Bluetooth is not installed or enabled properly (see box, page 14).

- 2 The PDA has to find the modem.
 - a Tap **Select Dial-up Networking**.
 - b Tap **Find Bluetooth Modem | Create a New Connection | Connect to Internet | Dial-up Networking**.
- 3 Enter the Personal Identification Number (PIN) of the modem, which is located on the bottom of the unit. (A PIN is sometimes called a passkey.)
- 4 Follow the onscreen instructions. You will be prompted to enter your username and password, phone number, and connection name. When you see the message “Dialing up—Successful”, you’re done with this phase.

Continue below.

Set up DUN for your Internet Account

The final task is to enter the information that your Internet Service Provider (ISP) requires for access to the Internet.

- 1 Because the PDA has found the Zoom modem, the Bluetooth icon in the system tray is now blue (instead of gray with a red X).



From Bluetooth Shortcuts, tap **Create New Connection**. Enter the username, phone number, and domain supplied by your ISP.

- 2 You can now open your web browser and connect to your favorite Web page.

That’s it! We hope you enjoy using your Bluetooth modem. If you would like more information, consult the context-sensitive Bluetooth help included with your PDA and/or adapter. You can also visit our Web site to check for updated information.

Tip: You can mount your modem on the wall using the supplied Velcro strips. For each Velcro pair, peel off one side of the adhesive paper backing and attach the Velcro strip to the bottom of the modem—be careful not to cover the Reset button. Then peel off the other side of the adhesive backing; and attach the modem to the wall. After placing the modem on the wall, you can swivel its multidirectional antenna.

4

Serial Port Installation

If you want to use your Bluetooth modem connected to your computer with a serial cable, you can do so by following these instructions. Note that a switch on the modem lets you select Bluetooth “wireless” or “wired” operation.

*If you are using Windows, be sure to install the setup software before installing the hardware. If you are using Linux or MacOS, there is no need to install any software, so you should go to page 18, **Connect the Hardware**.*

Installing the Software on a Windows PC

- 1 Turn your computer on.
- 2 Insert the supplied CD into your computer’s CD-ROM drive. Wait for it to auto-run. (**Note:** If the CD does not auto-run, from the desktop, go to **Start | Run** and type **E:\setup.exe**, where **E** is the letter of your CD-ROM drive.)
- 3 When the main interface appears, click **Install Modem Drivers**. Follow the prompts, clicking **Next** and then **Finish** when the process is complete.
Windows 98 Users: During installation, you may be prompted for your Windows installation CD. If so, insert it into the computer’s CD-ROM drive and click **OK**.
- 4 Shut down your computer.

Connect the Hardware

- 1 On the back of the modem, move the selectable switch all the way to the right, from **BT** to **RS-232**.
- 2 Plug one end of the supplied phone cord into the modem's **Line** port, and plug the other end into a telephone wall jack.
- 3 Connect one end of the RS-232 serial connector cable (sold separately) to your computer, and connect the other end to your modem's **RS-232** port.

Note: If you're using a Macintosh's serial (Modem or Printer) port, you need a cable that has a DB-9 Male connector on one end and an 8 pin mini-DIN Male connector on the other end.

- 4 Plug one end of the included power adapter into the modem and the other end into a wall outlet or power strip.
- 5 Turn your computer back on.
Windows 2000/XP Users: You may see a disclaimer box regarding Windows logo testing. You can safely disregard this message and click **Yes** or **Continue Anyway**.
- 6 **Windows Users:** Go to **Start | Settings | Control Panel**. Double-click **Modems** and then click the **Diagnostics** tab. (Windows XP users, you also have to click **Query Modem**.) Highlight the port next to the entry for your new modem and click **More info**. Click **OK** or **Close** and then close the **Control Panel**.
Linux Users: To verify that your modem is working properly, you need to issue an AT command. You can do this by using a data communications program such as Minicom, which comes with most versions of Linux, or a similar alternative. (To use Minicom, you will need to know the serial port the modem is connected to. Consult your Linux documentation if you need assistance.)

Macintosh Users: OS 9.X (or lower): From the **Apple** menu, go to **Control Panel | Modems**. From the **Connect via** drop-down menu, select the modem's serial port; and then from the **Modem** drop-down menu, select **Zoom V-Series**. Click **Save**. **OS X.1 (and higher):** Go to **System Preferences | Network** and click the **Modem** tab. From the **Show** drop-down menu, select the modem's serial port; and then from the **Modem** drop-down menu, select **Zoom V-Series**. Click **Apply Now**.

Tip: You can mount your modem on the wall using the supplied Velcro strips. For each Velcro pair, peel off one side of the adhesive paper backing and attach the Velcro strip to the bottom of the modem—be careful not to cover the Reset button. Then peel off the other side of the adhesive backing; and attach the modem to the wall. After placing the modem on the wall, you can swivel its multidirectional antenna.

Set Up a Dial-Up Internet Connection

Windows Users: To set up a Dial-Up Networking (DUN) connection to the Internet, go to **Programs | Accessories | Communication | New Connection Wizard** (2000/XP) or **Dial-Up Networking** (98/Me). Follow the prompts. You can also refer to your Windows online help for additional instructions.

Macintosh Users: OS 9: From the **Help** menu, go to **Mac Help | Internet and Networking | Connecting to the Internet | Set up your dialup modem**, and follow the instructions. OS X: From **Help | Mac Help**, in the **Ask a Question** box, type “connecting to the Internet,” and then click on this topic from the displayed list.

Linux Users: To set up a dial-up connection to the Internet, from the X Windows menu, go to **System Tools | Internet Connection Wizard** and follow the prompts.

Once you've set up DUN, you're finished! We hope you enjoy using your Bluetooth modem. If you would like more information, consult the context-sensitive Bluetooth help included with your adapter. You can also visit our Web site to check for updated information.

Removing the Modem

Only do the following if for some reason you want to remove the modem from your system.

Windows PC Users:

- 1** From the computer desktop, go to **Start | Settings | Control Panel** and then double-click **Add or Remove Programs**.
- 2** Select your Bluetooth modem (you may have to scroll down the list) and click **Remove**.
- 3** Unplug the modem hardware.

PDA Users Windows CE:

- 1** From the PDA desktop, go to **Settings | System** and then tap **Remove Programs**.
- 2** Select your Bluetooth device (you may have to scroll down the list) and tap **Remove**. Follow the on-screen instructions.

Appendix A

Front and Back Panel Information

The front of your Bluetooth modem includes several lights. The table below defines these lights.

| Light | Description |
|-----------------------|---|
| PWR | Lights when the power adapter is plugged into the modem's back panel power port and power is on |
| Bluetooth LINK | Lights when the Bluetooth modem is linked to a remote device |
| Bluetooth ACT | Blinks when the modem is transferring data via its Bluetooth connection |
| Modem OH | Lights when the modem is dialing up or achieving a connection |
| Modem TX | Blinks when the modem is transmitting data |
| Modem RX | Blinks when the modem is receiving data |

The back of your Bluetooth modem includes several ports, or jacks. The table below defines these ports.

| Port | Description |
|------------------|--|
| Line | Port to connect the modem to a phone line |
| BT↔RS-232 | Selectable switch—at any given time, the modem can operate either as a Bluetooth modem or a serial modem |
| RS-232 | Port to connect the modem to the RS-232 (serial) port of a computer |
| +DC6V -9V | Port to connect the modem to the power adapter |

IMPORTANT: On the bottom of the modem, there is a hardware **Reset** button. Use a paper clip or a common pin if you need to reset the modem.

Appendix B

Regulatory Information

U.S. FCC Part 68 Statement

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. The unit bears a label on the back which contains among other information a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

This equipment uses the following standard jack types for network connection: RJ11C.

This equipment contains an FCC compliant modular jack. It is designed to be connected to the telephone network or premises wiring using compatible modular plugs and cabling which comply with the requirements of FCC Part 68 rules.

The Ringer Equivalence Number, or REN, is used to determine the number of devices which may be connected to the telephone line. An excessive REN may cause the equipment to not ring in response to an incoming call. In most areas, the sum of the RENs of all equipment on a line should not exceed five (5.0).

In the unlikely event that this equipment causes harm to the telephone network, the telephone company can temporarily disconnect your service. The telephone company will try to warn you in advance of any such disconnection, but if advance notice isn't practical, it may disconnect the service first and notify you as soon as possible afterwards. In the event such a disconnection is deemed necessary, you will be advised of your right to file a complaint with the FCC.

From time to time, the telephone company may make changes in its facilities, equipment, or operations which could affect the operation of this equipment. If this occurs, the telephone company is required to provide you with advance notice so you can make the modifications necessary to obtain uninterrupted service.

There are no user serviceable components within this equipment. See Warranty flyer for repair or warranty information.

It shall be unlawful for any person within the United States to use a computer or other electronic device to send any message via a telephone facsimile unless such message clearly contains, in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business, other entity, or individual sending the message and the telephone number of the sending machine or of such business, other entity, or individual. The telephone number provided may not be a 900 number or any other number for which charges exceed local or long distance transmission charges. Telephone facsimile machines manufactured on and after December 20, 1992, must clearly mark such identifying information on each transmitted message. Facsimile modem boards manufactured on and after December 13, 1995, must comply with the requirements of this section.

This equipment cannot be used on public coin phone service provided by the telephone company. Connection to Party Line Service is subject to state tariffs. Contact your state public utility commission, public service commission, or corporation commission for more information.

U.S. FCC 47 CFR Part 15 Emissions Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

U.S. FCC Part 15 C Emissions Statement

This equipment is approved under Subpart C of FCC Part 15, under the FCC Identifier BDNBT4161.

FCC Warning

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution: For the purpose of satisfying FCC RF exposure compliance requirements, antennas should be positioned in such a way that a separation distance of at least 20cm is maintained between the transmitter's radiating structures and the body of the user or nearby persons.

Industry Canada Emissions Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Industry Canada CS03 Statement

Notice: The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing the equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of concern. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas. Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

European Union Member States: Intended Use

CE 0560 

Important Notice

This device is a 2.4GHz low-power RF device intended for office and home use in all EU and EFTA member states except in France where restrictive use applies. In France, use is limited to the following frequency band: 2446.5 - 2483.5 MHz. This frequency band correlates to Channels 8 - 13.

Declaration of Conformity

The manufacturer declares under sole responsibility that this equipment is compliant to Directive 1999/5/EC (R&TTE Directive) via the following standards. The product is CE marked.

| Standard | Issued |
|--|--|
| EN 60950 | 2000 |
| EN 55022 | 1998 |
| EN 55024 EN 61000-3-2 EN 61000-3-3 | 1998 2000 1998/A1: 2001 |
| ETS-300-328 EN 301-489-1 EN 301-489-17 EN 61000-4-3 EN 61000-4-4 | V1.2 (2001-12) V1.3 (2001-09) V1.2.1 (2002-08) 1996/A1:1998 1995 |

Department of Commerce End User Statement

This item falls under the jurisdiction of the Department of Commerce, and as such, the requirement set forth in section 740-17 of the Export Administration Regulation must be complied with. See the following Web sites for more information:

- Bureau of Export Administration
<http://www.bxa.doc.gov/DPL/Default.shtm>
<http://www.bxa.doc.gov/Entities/>
- Code of Federal Regulations
<http://www.access.gpo.gov/nara/cfr/index.html>

Federal law prohibits the sale or distribution of certain products to certain individuals and organizations. Denied persons or organizations may not, directly or indirectly, participate in any way in any transaction involving any commodity, software or technology exported or to be exported from the United States that is subject to Export Administration Regulations. The above Web sites provide a detailed list of individuals and organizations that have been determined to present an unacceptable risk of diversion to developing weapons of mass destruction or missiles used to deliver those weapons.

This unit may require resetting after a severe ESD event.

Caution: To reduce the risk of fire, use only No. 26 AWG or larger telecommunications line cord.

Attention: Pour réduire les risques d'incendie, utiliser uniquement des conducteurs de télécommunications 26 AWG ou de section supérieure.

