



# Wireless Cable/DSL Router Companion Reference Guide



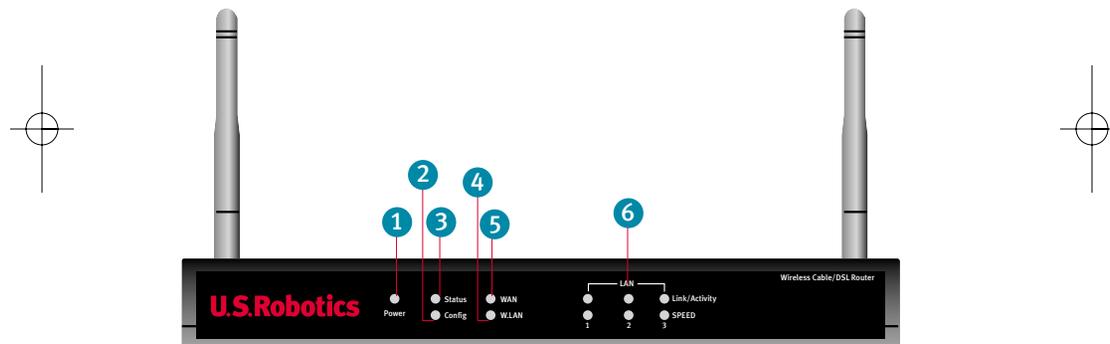
## What You Need to Begin

### For Broadband Router Functions:

- PC with an Ethernet NIC installed or an 802.11b Wireless Adapter installed
- A functioning Ethernet-based cable or DSL modem OR an RS-232-based analog or ISDN modem
- Operating system installation CD-ROM (i.e., your Windows XP CD-ROM)
- Internet Explorer 4 or later OR Netscape 4 or later
- If you have an analog or ISDN modem, an RS-232 cable

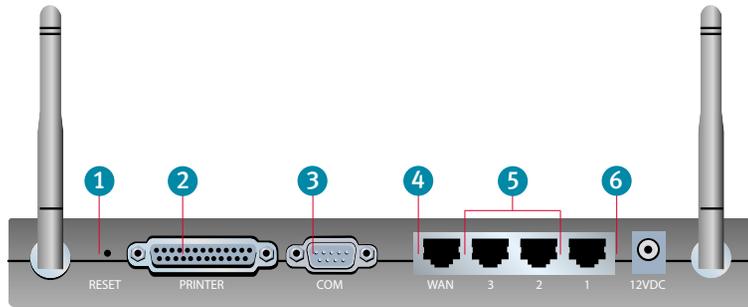
### For Wireless Functions:

- 802.11b compatible Wireless PC Card, PCI Adapter, and/or USB Adapter installed and configured
- Operating system installation CD-ROM (i.e., your Windows XP CD-ROM)
- Internet Explorer 4 or later OR Netscape 4 or later



### Front View

- 1. Power LED:** The green Power LED stays lighted to indicate the system is functioning properly and flashes during the self-test phase or firmware upgrade process.
- 2. Status LED:** This LED blinks to indicate normal system status.
- 3. Config LED:** This LED blinks to indicate that the product is being configured or upgraded.
- 4. W.LAN LED:** This LED is lighted when there is a connection to the wireless network.
- 5. WAN LED:** The green WAN port LED flashes when the WAN port is sending or receiving data.
- 6. LAN Port LED:** This green LED is always lighted when each specific LAN port is in use.



### Back View

1. **RESET Button:** Press in and hold the RESET button. While holding the RESET button, unplug then plug back in the power supply. When the Wireless Cable/DSL Router has power again, continue to hold the RESET button for about five seconds to reset the Wireless Cable/DSL Router to the factory default settings.
2. **PRINTER:** This parallel port is used to attach a printer to the local area network.
3. **COM:** This serial port can be used to connect an analog modem.
4. **WAN:** The RJ-45 WAN port is used to connect the Wireless Cable/DSL Router to a broadband modem.
5. **LAN Ports 1 - 3:** The LAN ports are used to connect devices to the local area network. The green Link/Act LEDs flash when the specific LAN port is sending or receiving data. The green 10/100 LEDs are lighted to indicate a speed of 100 Mbps and not lighted to indicate a speed of 10 Mbps.
6. **12VDC:** This connection port is for the power supply of the Wireless Cable and DSL Router.

The U.S. Robotics Wireless Cable/DSL Router can be easily connected to any Ethernet-based cable modem or DSL modem, or an RS-232-based analogue or ISDN modem. You can verify compatibility by checking to see if your cable or DSL modem is connected to the network adapter in your computer using an Ethernet cable. If you have an analog or ISDN Internet connection, proceed to the “Connecting an Analog or ISDN modem to the Wireless Cable/DSL Router” section of this Guide.

## Connecting a cable or DSL modem to the Wireless Cable/DSL Router

### 1. Connect your modem to the Wireless Cable/DSL Router

Turn off your PC and your cable or DSL modem.

Locate the Ethernet cable from your cable or DSL modem that is connected to your PC's Ethernet adapter. Disconnect that Ethernet cable from your PC's Ethernet adapter, and connect it to the WAN port on the rear of the Wireless Cable/DSL Router.

**Note:** If your cable or DSL modem is connected to your PC using a USB cable, disconnect the USB cable from both your PC and from your cable or DSL modem.



### 2. Connect your Wireless Cable/DSL Router to your computer

**To make an Ethernet connection:** Connect one end of the supplied Ethernet cable to your PC's Ethernet adapter. Connect the other end to one of the LAN ports on the Wireless Cable/DSL Router.

**To make a Wireless connection:** Make sure each Wireless Card that will be connecting to the network is set to **Infrastructure** mode. If necessary, refer to your Wireless Card manual to determine how to change this setting.

**Note:** Each Wireless Access PC Card or PCI Adapter in the wireless network must have the **Infrastructure** mode selected within the Configuration Utility. Refer to your Wireless Access PC Card or PCI Adapter documentation for information on selecting **Infrastructure** mode.





### 3. Connect the power supply

Turn on your cable or DSL modem. Connect the included power cord to the power jack on the Wireless Cable/DSL Router. Plug the power cord into a standard power outlet. Turn on your PC.

**Congratulations!** The installation procedure is now complete.

You should now have secure and shared Internet access. To verify your connection, launch a Web browser and go to [www.usr.com](http://www.usr.com). If the page loads, you are finished with the installation procedure.

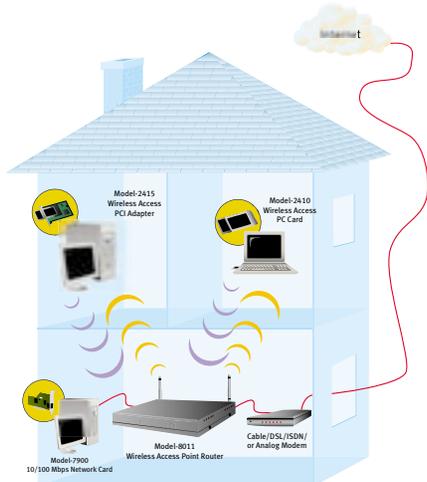
If you have any difficulties connecting to the Wireless Cable/DSL Router, check the top three issues below and see if they apply to your situation.

- If you are attempting to create a wireless connection, but cannot connect to the Wireless Cable/DSL Router, make sure each Wireless Card is set to **Infrastructure** mode. If the Wireless Cards are set to **802.11b AdHoc** mode, you will not be able to connect to the Wireless Cable/DSL Router. When each Wireless Card is set to **Infrastructure** mode, it should automatically connect to the Access Point of the Wireless Cable/DSL Router. If the Wireless Cards do not automatically connect, rescan until they detect the Wireless Cable/DSL Router and connect.
- If you create a wireless connection to the Wireless Cable/DSL Router, but are experiencing poor link quality, check the positioning of the Wireless Cable/DSL Router. Long distances, multiple floors, or steel or concrete walls can diminish the link quality. If possible, reposition the Wireless Cable/DSL Router to reduce the effect of any of these obstacles.

- If you have the Wireless Cable/DSL Router properly connected and can access the Internet, but are experiencing difficulties connecting with special applications (e.g., ICQ, Battle.net, etc.), you must assign specific ports in order to bypass the fire-function. For more information about how to configure this function, refer to the "Special Applications" section within the "Configuring the Wireless Cable/DSL Router" chapter of the User Guide.

**Note:** If you want to attach a printer to your network, refer to the *Print Server* section of the User Guide for installation instructions.

For troubleshooting and support information, refer to the Companion Reference Guide or to the User Guide on the U.S. Robotics Installation CD-ROM.



## Connecting an Analog or ISDN modem to the Wireless Cable/DSL Router

There are two main reasons why you would want to use either an analog or ISDN modem with the Wireless Cable/DSL Router:

- You use dial-up Internet service instead of cable or DSL Internet service.
- You have cable or DSL Internet service but want to have an analog or ISDN backup in case your broadband Internet service is unavailable.

Perform the following steps to connect an analog or ISDN modem, manually change the WAN type, and properly configure the Wireless Cable/DSL Router:

### 1. Connect your modem to the Wireless Cable/DSL Router

Turn off your PC and your analog or ISDN modem.

Connect a serial modem cable to your analog or ISDN modem and to the COM port on the Wireless Cable/DSL Router.

**Note:** If your analog or ISDN modem is connected to your PC using a USB cable, disconnect the USB cable from both your PC and from your analog or ISDN modem.

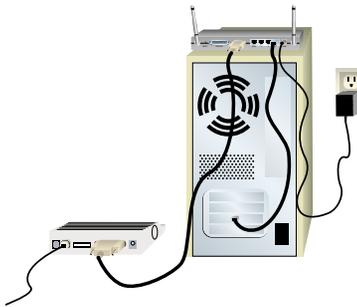
### 2 Connect your Wireless Cable/DSL Router to your computer

**To make an Ethernet connection:** Connect one end of the supplied Ethernet cable to your PC's Ethernet adapter. Connect the other end to one of the LAN ports on the Wireless Cable/DSL Router.

**To make a wireless connection:** Make sure each Wireless Card that will be connecting to the network is set to **Infrastructure** mode.

**Note:** Each Wireless Access PC Card or PCI Adapter in the wireless network must have the **Infrastructure** mode selected within the Configuration Utility. Refer to your Wireless Access PC Card or PCI Adapter documentation for information on selecting **Infrastructure** mode.





### 3. Connect the power supply

Turn on your analog or ISDN modem. Connect the included power cord to the power jack on the Wireless Cable/DSL Router. Plug the power cord into a standard power outlet.

### 4. Select the connection method

Launch a Web browser. In the location or address line of your Web browser, type [http:// 192.168.123.254](http://192.168.123.254) to access the Configuration Utility. There is no default password for the Wireless Cable/DSL Router, so just click **Login**. Click **Primary Setup** and follow the on-screen instructions. You will need to enter the network information for your ISP account, including your username, your password, and your dial-up number. When prompted, select the WAN type as **Dial-up Modem**, and continue to follow the on-screen instructions.

**Congratulations!** The installation procedure is now complete.

You should now have secure and shared Internet access. Click **Connect** to initiate a dial-up session with your ISP. The Status page will indicate whether or not the call was successful. If the settings are correct, the analogue or ISDN modem can be used to the Internet. If the connection fails, verify that you entered the correct values.

To verify your connection, launch a Web browser and go to [www.usr.com](http://www.usr.com). If the page loads, you are finished with the installation procedure. If the page does not load, proceed to the Troubleshooting section of this Guide.

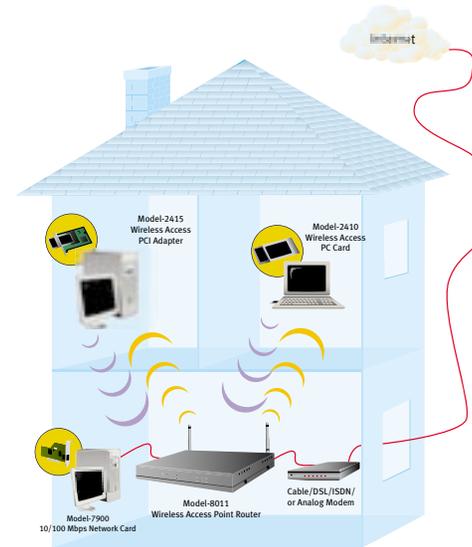
If you have any difficulties connecting to the Wireless Cable/DSL Router, check the top three issues below and see if they apply to your situation.

- If you are attempting to create a wireless connection, but cannot connect to the Wireless Cable/DSL Router, make sure each Wireless Card is set to **Infrastructure** mode. If the Wireless Cards are set to **802.11b AdHoc** mode, you will not be able to connect to the Wireless Cable/DSL Router. When each Wireless Card is set to **Infrastructure** mode, it should automatically connect to the Access Point of the Wireless Cable/DSL Router. If the Wireless Cards do not automatically connect, rescan until they detect the Wireless Cable/DSL Router and connect.
- If you create a wireless connection to the Wireless Cable/DSL Router, but are experiencing poor link quality, check the positioning of the Wireless Cable/DSL Router. Long distances, multiple floors, or steel or concrete walls can diminish the link quality. If possible, reposition the Wireless Cable/DSL Router to reduce the effect of any obstacles.
- If you have the Wireless Cable/DSL Router properly connected and can access the Internet, but are experiencing difficulties connecting with special applications (e.g., ICQ, Battle.net, etc.), you must assign specific ports in order to bypass the firewall function. For more information about how to configure this function, refer to the "Special Applications" section within the "Configuring the Wireless Cable/DSL Router" chapter of the User Guide.

**Note:** If you want to attach a printer to your network, refer to the *Print Server* section of the Companion Reference Guide and the User Guide for installation instructions.

For troubleshooting and support information, refer to the Companion Reference Guide or to the User Guide on the U.S. Robotics Installation CD-ROM.

The following graphic is a representation of a typical system topology after the installation of the Wireless Cable/DSL Router.



### Print Server

The Wireless Cable/DSL Router can function as a network print server in Windows 95, 98, Me, NT, and 2000. After you complete the software installation procedure, you can enable the print server function.

#### Windows 95, 98, and Me Users

Insert the Installation CD-ROM into your CD-ROM drive, click **Software**, select **Install Print Server Drivers** on the CD-ROM, and click **Next**.

Select **Next** to install the software to the default location or click **Browse** to install to a different directory.

Click **Finish** to complete the installation of the Print Server Drivers. You will then be prompted to restart your computer. Select **Yes** and click **OK**.

After your computer restarts, click Windows **Start**, **Settings**, and then **Printers**. Click **Add Printer** to begin printer installation.

Click **Next** to launch the **Add Printer Wizard**.

When prompted to choose how your printer is attached to your computer, select **Local Printer**.

Select **USRPRTSHR** for the printer port and click **Next**. You will then need to supply Windows with the correct printer drivers provided by the printer's manufacturer.

Enter a name for the printer and click **Next**.

When you are prompted to print a test page, select **Yes** and click **Finish**.

When you are prompted, click **Yes** if the page printed correctly. The printer is now successfully installed and will appear in the Printers menu. If the page did not print correctly, click **No** to begin the Troubleshooting Wizard.

#### Windows NT Users

Click Windows **Start**, **Settings**, and then **Printers**. Double-click **Add Printer**.

When the Add Printer Wizard launches, select **My Computer** and click **Next**.

Select the **USRPRTSHR** port from the list and click **Next**.

If the drivers for the printer were not previously installed, select **Have Disk** to install the drivers now.

Enter a name for the printer and click **Next**.

Since the printer is not physically connected to the computer, select **Not Shared** from the menu and click **Next**. The printer will be shared when all of the computers that will be on the network install the print server software, the printer drivers, and connect to the Wireless Cable/DSL Router.

When you are prompted to print a test page, select **Yes** and click **Finish**.

When you are prompted, click **Yes** if the page printed correctly. The printer is now successfully installed and will appear in the Printers menu. If the page did not print correctly, click **No** to begin the Troubleshooting Wizard.

#### Windows 2000 Users

Insert the Installation CD-ROM into your CD-ROM drive, click **Software**, select **Install Print Server Drivers** on the CD-ROM, and click **Next**.

Select **Next** to install the software to the default location or click **Browse** to install to a different directory.

Click **Finish** to complete the installation of the Print Server Drivers.

Select **Yes** to restart the computer and then click **OK**.

After your computer restarts, click Windows **Start**, **Control Panel**, and then **Printers**. Click **Add Printer** to begin printer installation.

When the Add Printer Wizard window launches, click **Next** to begin the Installation Wizard.

When prompted to choose how your printer is attached to your computer, select **Local Printer**. Make sure that **Automatically detect and install my Plug and Play printer** is not selected.

Select **USRPRTSHR** for the printer port and click **Next**. You will then need to supply Windows with the correct printer drivers provided by the

printer's manufacturer. When you are prompted to print a test page, select **Yes**.

Enter a name for the printer and click **Next**.

When you are prompted, select **Do not share this printer** from the menu and click **Next**.

If you were not prompted to print a test page, right-click the printer, select **Properties**, and then select **Print Test Page** in the menu. When you are prompted, click **Yes** if the page printed correctly. The printer is now successfully installed and will appear in the Printers menu. If the page did not print correctly, click **No** to begin the Troubleshooting Wizard.

## Troubleshooting

### *I can't access the Internet.*

#### **Possible Solution:**

Make sure the power cord and all of the Ethernet cables are connected correctly. This includes the cables connecting the Wireless Cable/DSL Router, the modem, and all of the computers.

#### **Possible Solution:**

Make sure that your PC is using an IP address that is within the default range of 192.168.123.xxx. Make sure the address of the subnet mask is 255.255.255.0. The Default Gateway should be the IP address of the Wireless Cable/DSL Router, which is 192.168.123.254. To verify all of these settings, perform the following steps:

#### **Windows 95, 98, or Me Users:**

Click Windows **Start** and then **Run**. Type **winipcfg** and click **OK**. Check the IP Address, Subnet Mask, Default Gateway, and DNS server data to make sure they are correct. If the information is not correct, click **Release All** and then click **Renew All**.

#### **Windows NT, 2000, or XP Users:**

Click Windows **Start** and then **Run**. Type **cmd** and click **OK**. At the DOS prompt, type **ipconfig /all**. Check the IP Address, Subnet Mask, Default Gateway, and DNS server data to make sure they are correct. If the information is not correct, type **ipconfig /release** and press **ENTER**. Then, type **ipconfig /renew** and press **ENTER**.

#### **Possible Solution:**

You can reboot the Wireless Cable/DSL Router by unplugging and plugging in the power supply.

If you are still unable to access the Internet, refer to the Troubleshooting Ping Procedure section in the User Guide on the U.S. Robotics Installation CD-ROM and refer to the documentation for your modem.

*I do not know if my assigned IP Address is Static or Dynamic.*

**Possible Solution:**

If you have cable or DSL service, you most likely have a Dynamic IP address. You should always check with your service provider to verify this information, since some providers will assign Static IP addresses. If you have a Dynamic IP address, select **Dynamic IP Address** in the WAN Setup area of the Configuration Utility, and the Wireless Cable/DSL Router will automatically obtain the information it needs from your service provider. If you have a Static IP address, select **Static IP Address** in the WAN Setup area of the Configuration Utility. You will need to refer to Appendix A or Appendix B in this guide to collect the necessary configuration information.

*I can't connect to the Configuration Utility of the Wireless Cable/DSL Router.*

**Possible Solution:**

The Web-based Configuration Utility is where you can go to make any changes to the settings of the Wireless Cable/DSL Router. Make sure all of the Ethernet cables are properly and securely connected and that the power cord is plugged in.

**Possible Solution:**

If you have a Static IP address, make sure that you correctly performed all of the steps in Appendix A or Appendix B of this guide. If you have a Static IP address and did not select the **Obtain an IP address automatically** option for your computer, you will not be able to connect to the Wireless Cable/DSL Router.

**Possible Solution:**

You need to verify the connection setting of your Web browser and that the HTTP Proxy feature of your Web browser is disabled. You need to do this so that your Web browser can read the configuration pages inside your Wireless Cable/DSL Router. Launch your Web browser.

*Internet Explorer users:* Click **Tools, Internet Options**, and then the **Connections** tab. Select **Never dial a connection**, click **Apply**, and then click **OK**. Click **Tools** again, then click **Internet Options**. Click the **Connections** tab, and click the **LAN Settings** button. Clear all of the check boxes, and click **OK**. Click **OK**.

*Netscape Navigator users:* Click **Edit, Preferences**, and then double-click **Advanced** in the Category window. Click **Proxies**, select **Direct connection to the Internet**, and then click **OK**. Click **Edit** again, then click **Preferences**. Under Category, double-click **Advanced**, then click **Proxies**. Select **Direct** connection to the Internet, and click **OK**.

*My Configuration Utility is not responding, but I can still access the Internet.*

**Possible Solution:**

If your Configuration utility stops responding, unplug and then plug back in the power supply of the Wireless Cable/DSL Router. This will reboot the Wireless Cable/DSL Router. If you are still unable to communicate with the Configuration Utility, press in and hold the RESET button for five seconds. This will reset the Wireless Cable/DSL Router to the factory default settings. If you applied any personal configuration settings, you will need to make the changes again.

*My Cable or DSL service is not working, but I need to access the Internet.*

**Possible Solution:**

If you have an external analog modem and dial-up Internet service, you can still access the Internet. Connect the external analog modem according to the procedure described in this Guide. Open a Web browser and type <http://192.168.123.254> to access the Configuration Utility. Click **Setup, WAN**, and then select **Dial-up Modem**. Enter the appropriate information for your dial-up Internet Service Provider settings.

*While trying to check my network configuration settings in Windows Me or XP, I can't find the Network icon.*

**Possible Solution:**

The default setting in Windows Me and XP is to not show all of the icons within the Control Panel. Click **Windows Start, Settings**, and then **Control Panel**. Within Control Panel, click **View all Control Panel options** on the left side of the screen. All the Control Panel icons should now be visible.

*My computer does not recognize the Access Point function of the Wireless Cable/DSL Router after I changed the settings.*

**Possible Solution:**

Ensure that you are contacting the correct Access Point and using the correct MAC address. Ensure that the correct passphrase and encryption option are being used. If you changed the settings in the configuration of the Access Point, you must also change the settings of every PC Card or PCI Adapter attached to this network. The settings of the PC Cards or PCI Adapters must match the new settings of the Wireless Cable/DSL Router.

*I am unable to connect to the Access Point function of the Wireless Cable/DSL Router.*

**Possible Solution:**

Be certain that you have each Wireless PC Card or PCI Adapter set to **Infrastructure** mode. If your PC Cards or PCI Adapters are set to **802.11b AdHoc** mode, you will not be able to use the Access Point function. Refer to the User Guide for your Wireless PC Card or PCI Adapter to determine how to change this setting.

*Note:* Each Wireless Access PC Card or PCI Adapter in the wireless network must have the **Infrastructure** mode selected within the Configuration Utility. Refer to your Wireless Access PC Card or PCI Adapter documentation for information on selecting **Infrastructure** mode.

*My Wireless Cable/DSL Router is not appearing in the list when I scan for it.*

**Possible Solution:**

You may be on a computer that is too far away from the Wireless Cable/DSL Router. Try moving closer to the Wireless Cable/DSL Router and repeating the scan procedure.

*Note:* It is important that you have your serial number written down for future reference. If you ever need to call our Technical Support department, you will need this number, plus your model number, which is 8011, to receive assistance.

## Are You Still Having Problems?

1. Go to the Support section of the U.S. Robotics Web site at [www.usr.com](http://www.usr.com).

Many of the most common difficulties users experience have been addressed in the FAQ and Troubleshooting Web pages for your specific product.

2. Call the U.S. Robotics Technical Support Department.

Technical questions about U.S. Robotics products can also be answered by technical support specialists.

Country	Voice	Online	Support Hours
USA	(801) 401-1143	<a href="http://www.usr.com/support/s-online_emailtechie.asp">http://www.usr.com/support/s-online_emailtechie.asp</a>	9:00A.M. – 5:00P.M. CST, M-F
Canada	(801) 401-1146	<a href="http://www.usr.com/support/s-online_emailtechie.asp">http://www.usr.com/support/s-online_emailtechie.asp</a>	9:00A.M. – 5:00P.M. CST, M-F

Country	Voice	Online	Support Hours
Argentina	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
Brazil	AT&T Direct + (877) 487-6523	<a href="mailto:brazil_modemsupport@usr.com">brazil_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
México	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
Chile	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
Colômbia	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
Costa Rica	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
Peru	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
Puerto Rico	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F
Venezuela	AT&T Direct + (877) 643-2523	<a href="mailto:lat_modemsupport@usr.com">lat_modemsupport@usr.com</a>	9:00A.M. – 5:00P.M. CST, M-F

Country	Voice	Online	Support Hours
China	10800 650 5108	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Hong Kong	800 90 3191	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
India	Delhi - 11 6284198/ 99/ 18/ 19	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
India	Hyperbad - 40 6261600/ 01/ 02/ 03	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
India	Calcutta - 33 216 1800/ 01	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
India	Chennai - 44 851 5273/ 74	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
India	Bombay - 22 8252188/ 93/ 94/ 95	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
India	Bangalore - 80 2380303/ 04	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F

Indonesia	001 803 65 7402	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Japan	(03) 5495 9408	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Korea		<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Malaysia	1800 80 1554	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Philippines	1800 1 651 0215	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Singapore	65 784 9910	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
South Korea	00798 651 7135	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Taiwan	0080 65 1349	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Thailand	001 800 65 6252	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F

Country	Voice	Online	Support Hours
Australia	1800 125030	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
New Zealand	0800 449535	<a href="mailto:usrapsupport@usr.com">usrapsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Austria	07 110 900 116	<a href="mailto:germany_modemsupport@usr.com">germany_modemsupport@usr.com</a>	8:00 A.M. – 6:00 P.M., M-F
Belgium (Flemish)	+32 (0) 70 233 545	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Belgium (French)	+32 (0) 70 233 546	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Denmark	+45 7010 4030	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Finland	+358 98 171 0015	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	10:00 A.M. – 6:00 P.M., M-F
France	080 307 0693	<a href="mailto:france_modemsupport@usr.com">france_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Germany/Hungary	01805671548	<a href="mailto:germany_modemsupport@usr.com">germany_modemsupport@usr.com</a>	8:00 A.M. – 6:00 P.M., M-F
Ireland	+44 870 844 4546	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Israel		<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 5:30 P.M., M-F
Italy	848 80 9903	<a href="mailto:italy_modemsupport@usr.com">italy_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Luxembourg	+352 342 080 8318	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Middle East/Africa	+44 870 844 4546	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Netherlands	0900 20 25 857	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 6:00 P.M., M-F
Norway	+47 (0) 23 50 0097	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Poland		<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	8:00 A.M. – 6:00 P.M., M-F
Portugal	+35 11 415 4034	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Spain	902 117 964	<a href="mailto:spain_modemsupport@usr.com">spain_modemsupport@usr.com</a>	9:00 A.M. – 5:00 P.M., M-F
Sweden	+46 (0) 851 992 035	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	8:00 A.M. – 5:00 P.M., M-F
Switzerland	+0848 840 200	<a href="mailto:emea_modemsupport@usr.com">emea_modemsupport@usr.com</a>	8:00 A.M. – 6:00 P.M., M-F
UK	0870 8444 546	<a href="mailto:uk_modemsupport@usr.com">uk_modemsupport@usr.com</a>	9:00 A.M. – 5:30 P.M., M-F

For current support contact information, go to the following Web site:

<http://www.usr.com/>

## Appendix A

This guide covers most cable and DSL installations that are configured for Dynamic or Static IP addressing. This guide assumes that you have active and properly functioning cable or DSL Internet service. If you are uncertain about which type of configuration you have, refer to the User Guide located on the Installation CD-ROM for more advanced setup procedures.

**Note:** DSL users, if you use a login application to access the Internet, you are more than likely using a PPPoE connection. Refer to the appropriate section of the User Guide on the Installation CD-ROM for information on collecting your configuration information. If you use Dial-Up Networking and a VPN adapter, you are most likely using a PPTP connection. Refer to the appropriate section of the User Guide on the Installation CD-ROM for information on collecting your configuration information. If you are unsure about what type of connection you are using, contact your Internet Service Provider (ISP).

**Note:** Your Cable or DSL modem must be connected to your computer via an RJ-45 Ethernet connection. The Wireless Cable/DSL Router is not compatible with Cable or DSL modems with only a USB connection. You must have an Ethernet adapter (NIC) or 802.11b Wireless Adapter installed in your computer.

You need to gather the following information about your computer from your Internet Service Provider (ISP). Contact your ISP for assistance in obtaining this information.

IP Address:	_____	_____	_____	_____
Subnet Mask:	_____	_____	_____	_____
Gateway/Router:	_____	_____	_____	_____
DNS Servers/ Name Servers:	_____	_____	_____	_____
Host Name/DHCP Client ID:	_____			

Not all of this information may be required for the installation of the Wireless Cable/DSL Router. If your ISP cannot provide you with this information, the following basic steps will assist you in gathering most of the required information.

- A. You need to perform these steps on the computer that is currently connected to your cable or DSL modem.

### Windows Users

#### All Windows Users:

Click Windows **Start**, **Settings**, and then **Control Panel**.

#### Windows 95/98/Me Users:

Double-click **Network**.

#### Windows 2000 and XP Users:

Double-click **Network and Dial-up Connections**.

#### Windows NT Users:

Double-click **Network** and then click the **Protocols** tab.

#### All Windows Users:

Select the TCP/IP option for the network adapter that is used to connect to your cable or DSL modem and click **Properties**. Proceed to Step B.

### Macintosh Users

#### Macintosh OS 9.x Users:

Click **Apple**, **Control Panels** and then **TCP/IP**. Proceed to Step B.

#### Macintosh X Users :

Click **Apple**, **System Preferences** and then **Network**. Proceed to Step B.

### B. All Windows Users:

You should now be in the TCP/IP Properties window.

If the **Obtain an IP address automatically** option is selected, you may proceed with the installation of the Wireless Cable/DSL Router in the Connecting a cable or DSL modem to the Wireless Cable/DSL Router section of this guide.

If this option is not selected, you will need to collect the necessary configuration information if it was not provided by your Service Provider. Depending on your operating system, you may need to click multiple tabs within the TCP/IP window to obtain all the necessary information. Select the **Obtain an IP address automatically** option and click **OK**. If necessary, click **OK** again to close the Network Properties page. If you are prompted to restart your computer, click **No**. You may proceed to the Connecting a cable or DSL modem to the Wireless Cable/DSL Router section of this guide.

**Note:** Windows 2000 users must right-click **My Computer**, click **Properties**, and then click the **Network Identification** tab to get the Computer Name/Host Name.

### All Macintosh Users:

Ensure that the **Connect via:** option is set to **Connect via: Ethernet**.

Check to see what the **Configure:** option is set to and if any information is supplied by your service provider for the IP address, DHCP Client ID, or Name Servers.

If the **Configure:** option is set to **Using DHCP**, you may proceed to the Connecting section.

If the **Configure:** option is not set to **Using DHCP**, you will need to collect the necessary configuration information if it was not provided by your Service Provider. You may need to click multiple tabs within the TCP/IP or Network window to obtain all the necessary information. Set the TCP/IP **Configure:** option to **Using DHCP**. Click **Save** and close the TCP/IP or Network window. You may proceed to the Connecting a cable or DSL modem to the Wireless Cable/DSL Router section of this guide.

To configure the Wireless Cable/DSL Router for your specific ISP, launch a Web browser and type <http://192.168.123.254> to access the Configuration Utility. The Web-based Configuration Utility is where you can go to make any changes to the settings of the Wireless Cable/DSL Router. There is no default password for the Wireless Cable/DSL Router, so just click **Login**. Click **Primary Setup** and follow the on-screen instructions. You will need any network connection information you collected earlier.

**Note:** If you collected any network information, you will need to enter this information into the WAN configuration screens of the Primary Setup section of the Configuration Utility.

**Note:** Write down the settings for your Wireless Cable/DSL Router for future reference. You can view the settings in the Wireless Cable/DSL Router Configuration Utility by logging in at <http://192.168.123.254>.

## Appendix B

This guide covers most dial-up or remote access connections that are configured for Dynamic or Static IP addressing. This Guide assumes that you have active and properly functioning analog or ISDN Internet service. If you are uncertain about which type of configuration you have, refer to the User Guide located on the U.S. Robotics Installation CD-ROM for more advanced setup procedures.

**Note:** The Wireless Cable/DSL Router requires an external analog or ISDN modem for dial-up functionality. Your analog or ISDN modem must be connected to your computer via an RS-232 serial connection. The Wireless Cable/DSL Router is not compatible with analog or ISDN modems with only a USB connection. You must also have an Ethernet adapter (NIC) or 802.11b Wireless Adapter installed in your computer.

You need to gather the following information about your Dial-up or Remote Access connection to your Internet Service Provider (ISP). Contact your ISP for assistance in obtaining this information.

IP Address:	_____ - _____ - _____
Subnet Mask:	_____ - _____ - _____
Gateway/Router:	_____ - _____ - _____
DNS Servers/ Name Servers:	_____ - _____ - _____
User Name:	_____
Password:	_____
Dial-up Access Number*:	_____

\*If you are using Windows, go to your Dial-up Networking or Network and Dial-up Connections folder to get this information. If you are using a Macintosh, enter Remote Access through Control Panels to get this information.

Not all of this information may be required for the installation of the Wireless Cable/DSL Router. If your ISP cannot provide you with this information, the following basic steps will assist you in gathering most of the required information.

- A. You need to perform these steps on the computer that is currently connected to your analog or ISDN modem.

### Windows 95 and 98 Users:

Right-click **My Computer** and then click **Explore**. Double-click **Dial-Up Networking**. Right-click your ISP connection and click **Properties**. Click the **Server Types** tab and then click the **TCP/IP Settings** button. Proceed to Step B.

### Windows 2000 Users:

Click Windows **Start**, **Settings**, and then **Control Panel**. Double-click **Network** and **Dial-up Connections**. Right-click your ISP connection and click **Properties**. Click the **Networking** tab and then scroll down in the list of components. Select **Internet Protocol (TCP/IP)** and click **Properties**. Proceed to Step B.

### Windows NT Users:

Right-click **My Computer** and then click **Explore**. Double-click **Dial-Up Networking**. Select your ISP connection from the Phonebook entry drop-down menu. Click **More** and select **Edit entry and modem properties**. Click the **Server** tab and then click the **TCP/IP Settings** button. Proceed to Step B.

### Windows Me Users:

Click Windows **Start**, **Settings**, and then **Dial-Up Networking**. Right-click your ISP connection and click **Properties**. Click the **Networking** tab and then click the **TCP/IP Settings** button. Proceed to Step B.

### Windows XP Users:

Click Windows **Start** and then **Control Panel**. Double-click **Network Connections**. Right-click your ISP connection and click **Properties**. Click the **Networking** tab, select **Internet Protocol (TCP/IP)** from the menu, and click **Properties**. Proceed to Step B.

### Macintosh OS 9.x Users:

Click **Apple**, **Control Panels**, and then **TCP/IP**. Proceed to Step B.

### Macintosh X Users:

Click **Apple**, **System Preferences**, and then **Network**. Proceed to Step B.

## B. All Windows Users:

You should now be in the TCP/IP Properties window.

If the **Server assigned IP address** and **Server assigned name server addresses** options are selected, you have a Dynamic IP address. Close any open Properties windows and proceed with the installation of the Wireless Cable/DSL Router.

If these options are not selected, you have a Static IP address and will need to check for the following information: IP Address, Subnet Mask, and Default Gateway. You may proceed to the Connecting an Analog or ISDN modem to the Wireless Cable/DSL Router section in this guide.

### All Macintosh Users:

Ensure that the **Connect via:** option is set to **Connect via: Ethernet**.

If the **Configure:** option is set to **Manually**, write any of the supplied information in the previous table. Set the **Configure:** option to **Using DHCP Server**.

If the **Configure:** option is set to any other selection, change it to **Using DHCP Server**.

Click **Save** and close the TCP/IP or network window. You may proceed to the Connecting an Analog or ISDN modem to the Wireless Cable/DSL Router section in this guide.

In the location or address line of your Web browser, type <http://192.168.123.254> to access the Configuration Utility. The Web-based Configuration Utility is where you can go to make any changes to the settings of the Wireless Cable/DSL Router. There is no default password for the Wireless Cable/DSL Router, so just click **Login**. Click **Primary Setup** and follow the on-screen instructions. You will need any network information you collected earlier. When prompted, select the WAN type as **Dial-up Modem** and continue to follow the on-screen instructions.

## Regulatory Approvals

### Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC 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 energy. If this equipment is not installed and used in accordance with the manufacturer's instructions, it 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 to 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.

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

### Manufacturer's Disclaimer Statement

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### UL Listing/CUL Listing or CSA Certified

This information technology equipment is UL-Listed and CUL Listed or CSA-Certified for the uses described in the users guide.



### CE Declaration of Conformity

We, U.S. Robotics Corporation of 935 National parkway, Schaumburg, Illinois, 60173-5157, USA, declare under our sole responsibility that the U.S. Robotics Wireless Cable/DSL Router to which this declaration relates is in conformity with the following standards and/or other normative documents:

EN60950  
EN55022  
EN55024  
EN61000-3-2  
EN61000-3-3

We hereby declare that this product is in conformity to all the essential requirements and other relevant provisions of Directive 1995/5/EC. The conformity assessment procedure referred to in Article 10(3) and detailed in Annex II of Directive 1999/5/EC has been followed.

This product has been approved for use in the following countries: France, Germany, Italy, Spain, Portugal, The Netherlands, Austria, Denmark, Switzerland, and the United Kingdom.

## U.S. Robotics Corporation Limited Warranty

**HARDWARE:** U.S. Robotics warrants to the end user ("Customer") that this hardware product will be free from defects in workmanship and materials, under normal use and service, for the following length of time from the date of purchase from U.S. Robotics or its authorised reseller:

Two (2) years

U.S. Robotics' sole obligation under this express warranty shall be, at U.S. Robotics' option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options is reasonably available, U.S. Robotics may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of U.S. Robotics. Replacement products may be new or reconditioned. U.S. Robotics warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer.

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In the United States:  
USR-Walnut  
528 Spanish Lane  
Walnut, Ca. 91789

In Canada:  
U.S. Robotics  
Unit-100 13751 Mayfield Pl.  
Richmond, B.C. Canada V6V 2G9

In Europe:  
FRS Europe BV  
Draaibrugweg 2  
1332 AC Almere  
The Netherlands

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