



## Quick Start Guide



WRP400 Wireless-G Broadband Router with 2 Phone Ports

### Package Contents

- Wireless-G Broadband Router with 2 Phone Ports
- Setup CD-ROM
- Documentation on CD-ROM
- Ethernet Network Cable
- Power Adapter

## 1 Installation

There are three ways to physically install the Router:

- **Horizontal Placement:** The router has four rubber feet on the bottom panel. Place the Router on a level surface near an electrical outlet.
- **Vertical Placement:** The Router has a stand on the side panel opposite to the antenna. Rotate the stand 90 degrees, and place the Router on a level surface near an electrical outlet.
- **Wall-Mounting Placement:** The Router has four wall-mount slots on its back panel. To mount the router on a wall, follow these instructions:

- Choose a wall that is smooth, flat, dry, and sturdy. Make sure that an electrical outlet is nearby.
- Obtain mounting hardware. Suggested hardware is illustrated below (not true to scale).

		2.5-3.0 mm
4-5 mm	1-1.5 mm	

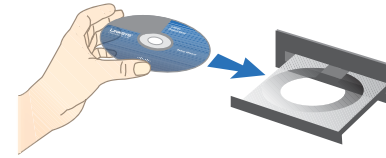
- Drill two holes, 60 mm (2.36 inches) apart. Insert a screw into each hole and leave 3 mm (0.12 inches) of the head exposed.
- Position the router so that two of the wall-mount slots are over the two screws. Slide the Router down until the screws fit snugly into the wall-mount slots.



## 2 Use the Setup Wizard

Complete the initial configuration by using the Setup Wizard.

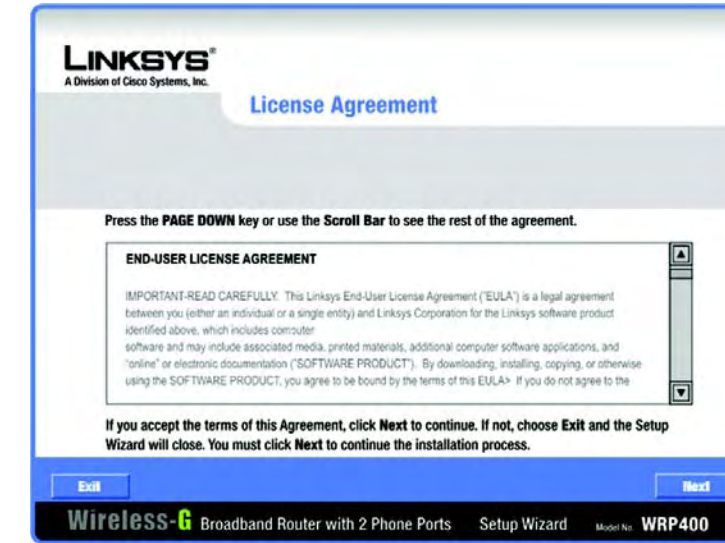
**STEP 1** Insert the Setup CD-ROM into your CD-ROM drive.



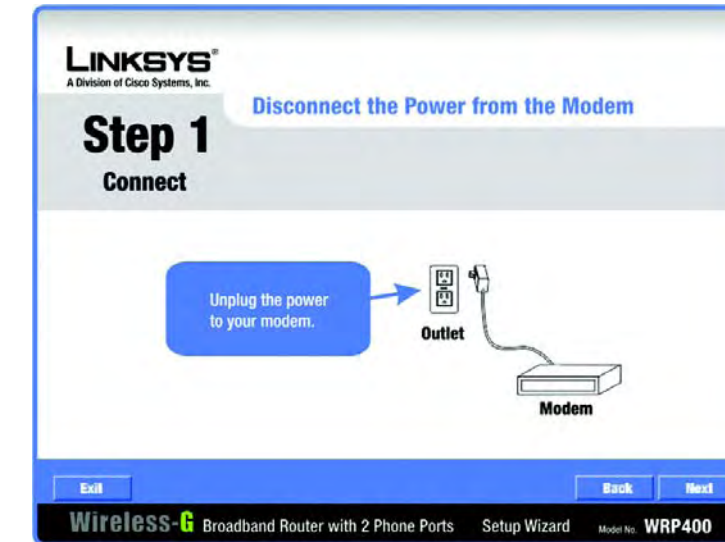
**STEP 2** When the Welcome screen appears, select the language that you want to use. Then click the **Click Here to Start** button.



**STEP 3** Read the License Agreement, and then click **Next**.



**STEP 4** Follow the instructions on each page of the Setup Wizard, and then click **Next** to move to the next step. You can click **Back** to review a previous step.



**STEP 5** When you are finished with the final step of the Setup Wizard, a progress message appears. Wait for the Wizard to complete the connection.



**STEP 6** When you have finished setting up the router, this screen appears. Click **Finish**.



**NOTE** For advanced configuration of your router, you can use the built-in administration web server. Connect a computer to the router, and then enter the following URL: **192.168.15.1**.

Log on with **admin** as the user name and the password

To configure more advanced settings and security options, use the administration web server. See the *User Guide* for details.

## 3 Upgrading the Firmware

**STEP 1** To download the latest firmware, go to the WRP400 product page on Cisco.com:

[www.cisco.com/en/US/products/ps10028/index.html](http://www.cisco.com/en/US/products/ps10028/index.html)

NOTE: This site requires a login. If you do not have a Cisco.com account, you can register for free.

**STEP 2** Click the **Download Software** link. Follow the steps on the screen to download the latest release.

**STEP 3** Connect to the WRP400 administration web server, and log on.

**STEP 4** Click **Administration > Firmware Upgrade**.

**STEP 5** If you see the *Username & Password* screen, enter the User Name and Password provided by your service provider. (The factory default User Name and Password are **admin**.) Then click **OK**.

**STEP 6** Click **Browse** to find the firmware file, and then click **Start to Upgrade**.  
For more information, see the *WRP400 User Guide*.

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## 4 Installing a Mobile Broadband USB Modem

**STEP 1** Make sure that your WRP400 has version 2.0 firmware or higher to support mobile broadband.

**STEP 2** Make sure that your Mobile Broadband USB Modem is compatible with the WRP400. To view a current list of compatible Mobile Broadband USB modems, visit the WRP400 product page on Cisco.com: [www.cisco.com/en/US/products/ps10028/index.html](http://www.cisco.com/en/US/products/ps10028/index.html)

**STEP 3** Make sure your Mobile Broadband USB modem is activated with a data service, and verify that it can be used on your computer.

**STEP 4** Connect a compatible USB Modem into the USB port of the WRP400.

The Power LED on the front of the WRP400 indicates the progress of initialization. After the device initializes, the Power LED shines steady green. When the WRP400 is connected to the Internet through the mobile network connection, the Power LED shines steady orange. For more information about the Power LED behavior, see the [Front Panel](#) table.

By default, the WRP400 connects to the Internet through the wired Ethernet. The mobile network connection may be configured as a failover connection when the Ethernet connection is unavailable.

**NOTE** To check the status of the USB Modem, or modify the settings for the mobile network, connection recovery, and failover, you can use the administration web server.

**NOTE** Voice quality over the mobile network cannot be guaranteed.

## 5 Getting to Know Your Router

### Front Panel



**USB:** For information about compatible USB devices, see [www.cisco.com/en/US/products/ps10028/index.html](http://www.cisco.com/en/US/products/ps10028/index.html)

**Wi-Fi Protected Setup (White/Orange):** Can be used to automatically configure wireless security for client devices that support Wi-Fi Protected Setup. The button shines white while wireless security is enabled. It shines steady orange if there is an error during the Wi-Fi Protected Setup process.

**Power (Green/Red/Orange):** Indicates the status of the following:  
**Power:** The LED shines steady green and stays on while the router is powered on. If the LED shines steady red, verify that the correct power adapter is used. If the LED remains red, contact your service provider for support.

**Self-diagnostic test:** During boot-up, the LED flashes green to indicate that the self-diagnostic test is in progress. When the test is complete, the LED shines steady green.

**Initialization of a USB modem:** The LED flashes green and orange when initialization is in progress. After the device initializes, the LED shines steady green. If the device fails to initialize, the LED continues to flash green and orange.

**Mobile network connection:** If a USB modem is installed, the mobile network connection is used as a failover when an Ethernet connection is unavailable. The LED indicates the status of the mobile network connection:

- **Steady Green:** The mobile network connection is not in use.
- **Flashing Orange:** The WRP400 is attempting to connect to the Internet through the mobile network connection.
- **Steady Orange:** The WRP400 is connected to the Internet through the mobile network connection.
- **Continuous Flashing Orange:** The WRP400 failed to connect to the Internet through the mobile network connection and is trying again.

	<b>Phone 1-2 (Green):</b> The LED shines steadily when an active line is registered to the corresponding phone port. The LED slowly flashes when voicemail messages are waiting.
	<b>Wireless (Green):</b> The LED shines steadily when the wireless feature is enabled. It flashes when the router is actively sending or receiving data over the wireless network.
	<b>Ethernet 1-4 (Green):</b> The LED shines steadily to show that a device is connected through the corresponding port. It flashes to indicate network activity over that port.
	<b>Internet (Green):</b> This LED shines steadily when an Internet connection is made through the Internet port. It flashes to indicate network activity over the Internet port.

### Back Panel



	<b>Internet:</b> Use this port to connect the WRP400 to a cable or DSL Internet connection.
	<b>Phone 1-2:</b> Use these ports to connect standard analog telephones to the router.
	<b>Ethernet 1, 2, 3, 4:</b> Use these Ethernet ports to connect the router to wired computers and other Ethernet network devices.
	<b>Power:</b> Use the power port to connect the power adapter.

### Side Panel



	<b>Reset:</b> To restore the router's factory defaults, press and hold the Reset button for approximately ten seconds.
	<b>Stand:</b> To place the router in a vertical position, rotate the stand 90 degrees.

## 6 Where to Go From Here

Resource	Location
WRP400 Documentation	<a href="http://www.cisco.com/en/US/products/ps10024/tsd_products_support_series_home.html">www.cisco.com/en/US/products/ps10024/tsd_products_support_series_home.html</a>
Firmware Downloads	<a href="http://www.cisco.com/en/US/products/ps10028/index.html">www.cisco.com/en/US/products/ps10028/index.html</a>
Customer Support	<a href="http://www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html">www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html</a>
Warranty and End User License Agreement	<a href="http://www.cisco.com/go/warranty">www.cisco.com/go/warranty</a>
Open Source License Notices	<a href="http://www.cisco.com/go/osln">www.cisco.com/go/osln</a>
Cisco Partner Central site for Small Business	<a href="http://www.cisco.com/web/partners/sell/smb">www.cisco.com/web/partners/sell/smb</a>