LINKSYS

USER GUIDE

AX5400
DUAL-BAND
WiFi 6 ROUTER
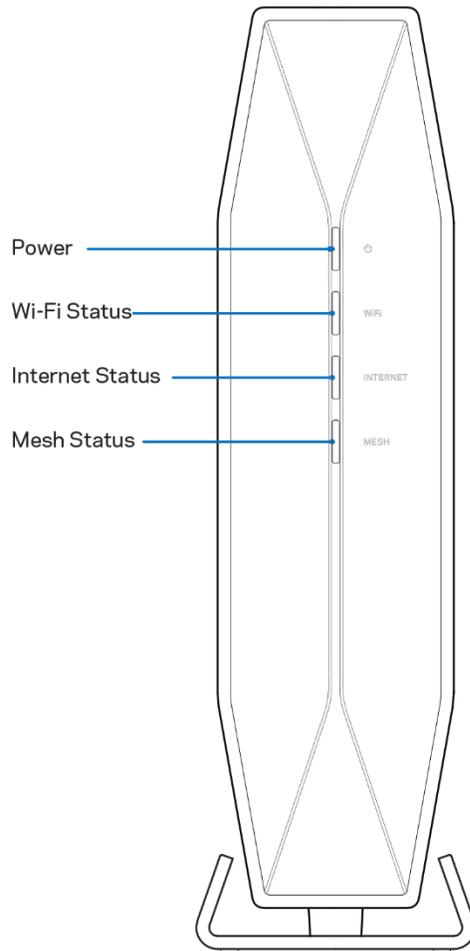
Model E9450

Contents

Product Overview

Front

Power

Wi-Fi Status

Internet Status

Mesh Status

POWER

WIFI

INTERNET

MESH

Power—Blinks blue while router is starting up. Blinks yellow when there is an error.

Wi-Fi status—Is solid blue when at least one of the 2.4 GHz and 5 GHz bands is available for connection. Is off when Wi-Fi is turned off in settings.

Internet status—Is solid blue when connected to the internet and solid yellow when not connected.

Mesh (WPS)—Blinks blue during WPS pairing. Solid blue if WPS pairing succeeds. Blinks orange if WPS pairing fails.

Back

1. Wi-Fi Protected Setup Button
2. USB Port
3. Ethernet Ports
4. Internet Port
5. Power Port
6. Power Switch
7. Reset Button
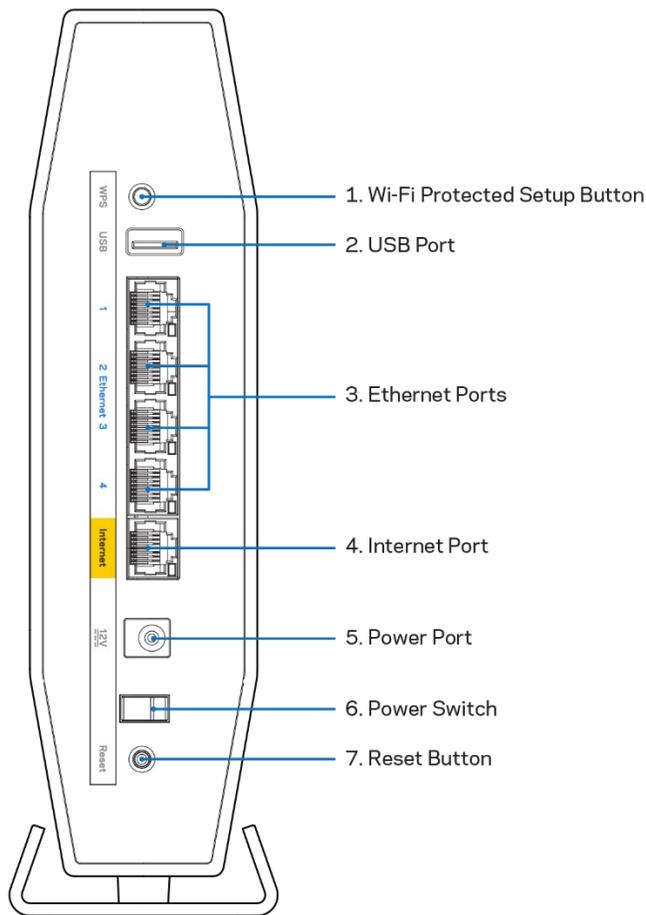
Wi-Fi Protected Setup™ (WPS) button (1)—Press to easily configure wireless security on Wi-Fi Protected Setup-enabled network devices. The light under the button will blink while WPS pairing is active.

USB 3.0 port (2)—Connect and share a USB drive on your network.

Ethernet ports (3)—Connect Ethernet cables (also called network or internet cables) to these Fast Ethernet (10/100/1000) ports and to other wired devices on your network. The lights under the ports will light up only when an Ethernet cable is plugged in and there is data traffic on the cable.

Internet port (4)—Connect an Ethernet cable to this port and to your modem. The light under the port will light up only when an Ethernet cable is plugged in and there is data traffic on the cable.

Power port (5)—Connect the included AC power adapter to this port.

Power switch (6)—Press | (ON) to turn on the router.

Reset button (7)—Press and hold for until the power LED starts flashing to reset the router to factory settings.

Setting Up: Basics

Where to find more help

In addition to this user guide, you can find help at Linksys.com/support/E9450(documentation, downloads, FAQs, technical support, live chat, forums)

> **Note—**_Licenses and notices for third party software used in this product may be viewed on_ _http://support.linksys.com/en-us/license. Please contact http://support.linksys.com/en-us/gplcodecenter for questions or GPL source code requests._

How to install your router

1. If replacing an existing router, disconnect that router first.
2. Plug in the router to a power source. Make sure the power switch is in the | (ON) position.
3. Connect your new router to your modem or modem-router.

A Modem		**B** Modem-Router
Plug one end of the included ethernet cable into the yellow Internet port on your new router. If you have a modem, plug the other end into the **Ethernet (LAN) port** on the modem.	**OR**	Plug one end of the included ethernet cable to the yellow Internet port on your new router. If you have a modem-router, plug the other end into **any available port**.

4. Connect to the network name shown in the Quick Start Guide that came with your router. (You can change the network name and password later.) Select the option to automatically connect to this network in the future.
   Note—_You will not have internet access until router setup is complete._
5. Enter http://myrouter.local in a web browser. Follow the on-screen instructions to complete setup. You also can enter 192.168.1.1 in a browser to start setup.
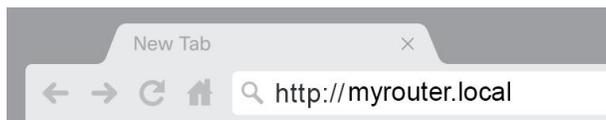
If you are using a modem-router (gateway), you might need to enter 192.168.11.1.

> **Note—**If none of those options take you to the setup wizard, go to www.linksys.com/support/setupIP for more help.

6. Once you are finished with setup, please be sure to register your router so we can keep you informed security updates, product recalls and other things that will improve your experience.

Register your product

Once you register we can share important security updates. Product recalls and other things that will improve your experience. All we need is your email. We will only use your email for limited security and customer support purposes.

Email Address

☐ Linksys may also email me to keep me up to date with special offers and information from linksys. You can unsubscribe at any time by using the link at the end of any email we send. Read our Privacy Policy here.

Next   Skip

Advanced Configuration

How to open the browser-based utility

To access some advanced settings, you need to open the browser-based utility. Make sure you are connected to the router, open a web browser and enter http://myrouter.local in a web browser or go to 192.168.1.1.
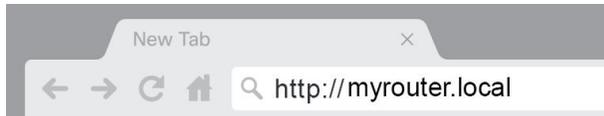
If you are using a modem-router (gateway), you might need to enter 192.168.11.1.

> **Note—**If none of those options take you to the setup wizard, go to www.linksys.com/support/setupIP for more help.

The router will prompt you for a password.
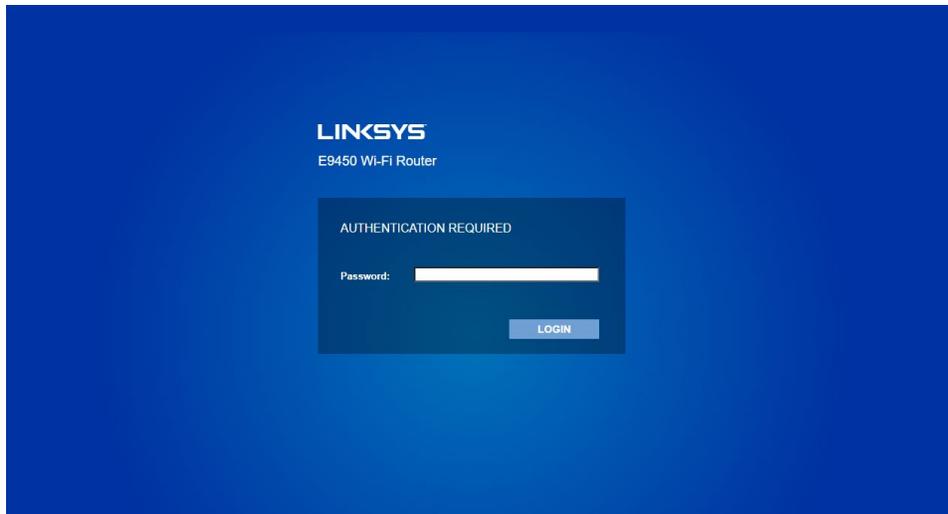
If you changed the password during setup, enter the new password. Click **LOGIN**. If you didn't change the password, or skipped setup altogether, the default router password is on the sticker under the router.

Basic Router Settings

This screen allows you to change the router's basic configuration.
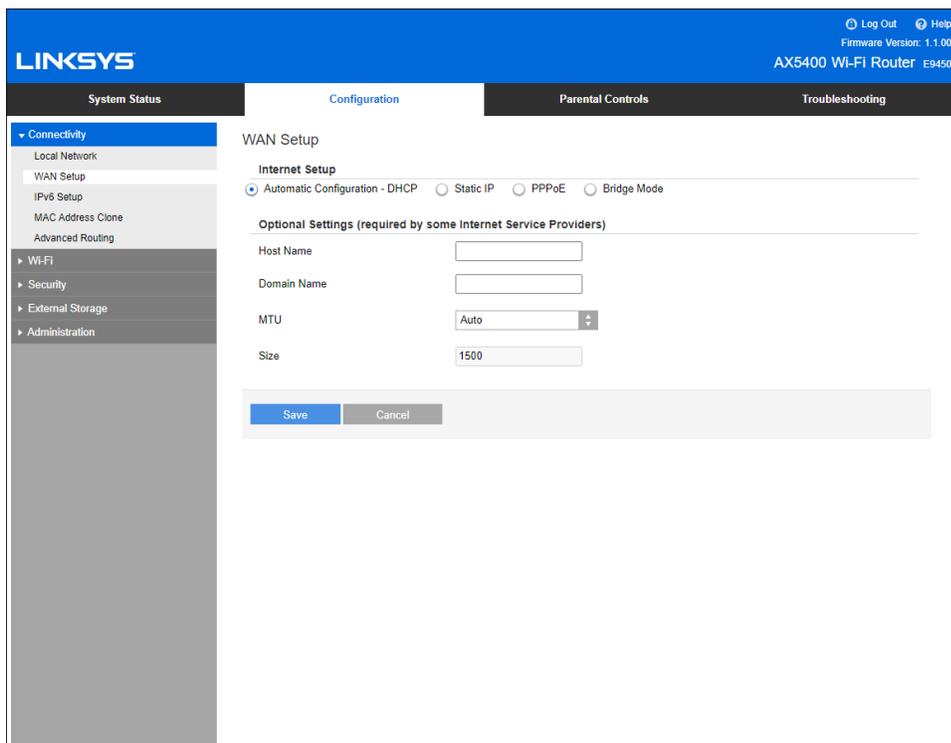
Language

Select your language—To change language, select one from the drop-down menu. The language of the browser-based utility will change within five seconds.

Internet Setup

The Internet Setup section configures the router to your internet connection. This information can be provided by your Internet Service Provider (ISP).

Internet Connection Type—Select the type of internet connection your ISP provides from the drop-down menu.

- **Automatic Configuration – DHCP** (default)

  Keep the default only if your ISP supports DHCP or if you connect using a dynamic IP address. (This option usually applies to cable connections.)

- **Static IP**

  Select if you are required to use a fixed IP address to connect to the internet.

- **PPPoE**

  Select if you have a DSL connection and your ISP uses Point-to-Point Protocol over Ethernet (PPPoE).

- **Bridge Mode**

  Bridge Mode disables all router capabilities and turns the router into an access point. The router will cease to act as a DHCP server and its built-in firewall as well as the NAT features will no longer be in effect.

Basic Wireless Settings

Network Mode—Select the wireless standards your network will support.

- **Mixed** (default)

  Keep the default if you have Wireless-A, Wireless-N, Wireless-G, Wireless-B, Wireless-AC, Wireless-AX devices in your network.

- **Disabled**

  Select if you would like to turn off the Wi-Fi band.

Network Name (SSID)

The Service Set Identifier (SSID) is a name used by devices to connect to a wireless network. SSIDs are case-sensitive and must not exceed 32 characters. The default SSIDs for the 2.4 GHz and 5 GHz networks are LinksysXXXXX and LinksysXXXXX_5GHz, respectively. The Xs represent the last five digits of the router's serial number, which can be found on the bottom of the router. If you changed the SSID, both bands have the new SSIDs. You may give them different names through the browser-based utility.

> **Note**—*If you restore the router's factory default settings (by pressing the Reset button or using the Administration > Factory Defaults screen), the Network Name will return to its default value. Change the Network Name back to its original name, or you will have to reconnect all devices on your wireless network to the new network name.*

Channel Width

Keep the default, Auto (20 MHz or 40 MHz), for best performance in a 2.4 GHz network using Wireless-B, Wireless-G, Wireless-N (2.4 GHz) and Wireless-AX (2.4 GHz) devices. For a channel width of 20 MHz, select 20 MHz only. For the best performance in a 5 GHz network, keep the default Auto (20, 40, 80, 160 MHz).

Channel

Select the channel from the drop-down list. Keep the default, Auto, if you are not sure which channel to select.

SSID Broadcast

Keep the default, Enabled, to broadcast the router's SSID. When wireless clients survey the local area for wireless networks to associate with, they will detect the SSID broadcast by the router. Attempting to hide your Wi-Fi name does not make your Wi-Fi more secure. Anyone truly interested in accessing your network can find it even if you turn off this feature. If you still do not want to broadcast the router's SSID, select Disabled.

Wireless Security

The router offers the following wireless security options:

WPA3 Personal / WPA2 Personal / WPA2 Enterprise (WPA stands for Wi-Fi Protected Access.)

Security Option	Strength
WPA3 Personal	Strongest
WPA3/WPA2 Personal Mixed	
WPA2 Personal	
WPA2 Enterprise	

Security Option Settings

WPA2 Personal

If you select WPA2 Personal, each device in your wireless network MUST use WPA2 Personal and the same passphrase.

Security Mode	WPA2 Personal

Passphrase—Enter a passphrase of 8-63 characters. This is the Wi-Fi password that provides access to the network. It can be the same as entered in setup.

Disabled

If you choose to disable wireless security, you will be informed that wireless security is disabled when you first attempt to access the internet. You will be given the option to enable wireless security or confirm that you understand the risks but still wish to proceed without wireless security.

Security Mode	Disabled

Troubleshooting

You can find more help from our award-winning customer support at Linksys.com/support/E9450.

Your router was not successfully set up

If you could not complete setup in the browser-based interface, you can try the following:

- Press and hold the Reset button on your router with a paperclip or pin until the power light on the front of the router turns off and starts blinking (about 10 seconds). Type 192.168.1.1 in a browser to try setup again.
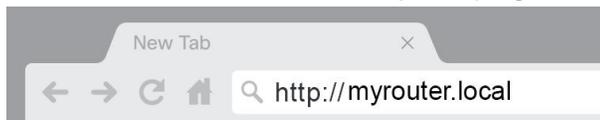
If you are using a modem-router (gateway), you might need to enter 192.168.11.1.

Note—If none of those options take you to the setup wizard, go to www.linksys.com/support/setupIP for more help.
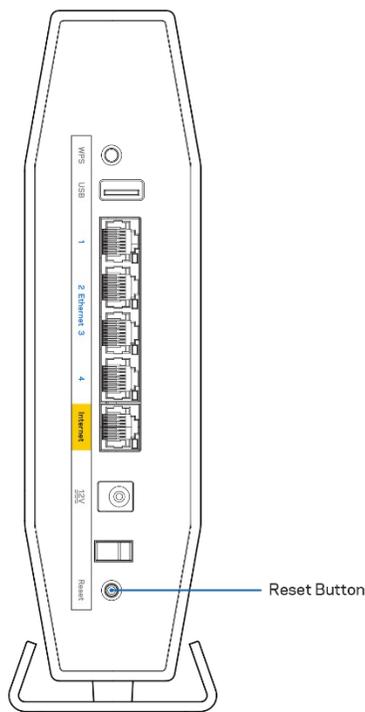
- Temporarily disable your computer's firewall (see the security software's instructions for help). Install the router again.

- If you have another computer, use that computer to install the router.

Your Internet cable is not plugged in message

If you get a "Your Internet cable is not plugged in" message when trying to set up your router:

- Make sure that an ethernet or internet cable (or a cable like the one supplied with your router) is securely connected to the yellow Internet port on the back of the router and to the appropriate port on your modem. This port on the modem is usually labeled Ethernet.

Internet Port
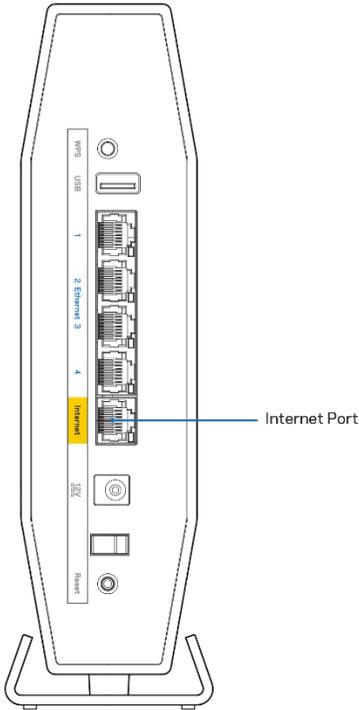
- Make sure that your modem is connected to power and is turned on.

Back view of cable modem

Back view of Modem - Router

Back view of DSL modem

If your internet service is cable, verify that the cable modem's CABLE port is connected to the coaxial cable provided by your ISP.	If your internet service is DSL, make sure that the DSL phone line is connected to the modem's DSL port.

- If your computer was previously connected to your modem with a USB cable, disconnect the USB cable.
- Install the router again.

Cannot access your router message

To access your router, you must be connected to your own network. If you currently have wireless internet access, the problem may be that you have accidentally connected to a different wireless network.

To fix the problem on Windows computers, do the following*:

1. On your Windows desktop, click on the wireless icon in the system tray. A list of available networks will appear.

2. Click your own network name. Click **Connect**. In the example below, the computer was connected to another wireless network named wraith_5GHz. The wireless network name of the Linksys E series router, Damaged_Beez2.4 in this example, is shown selected.
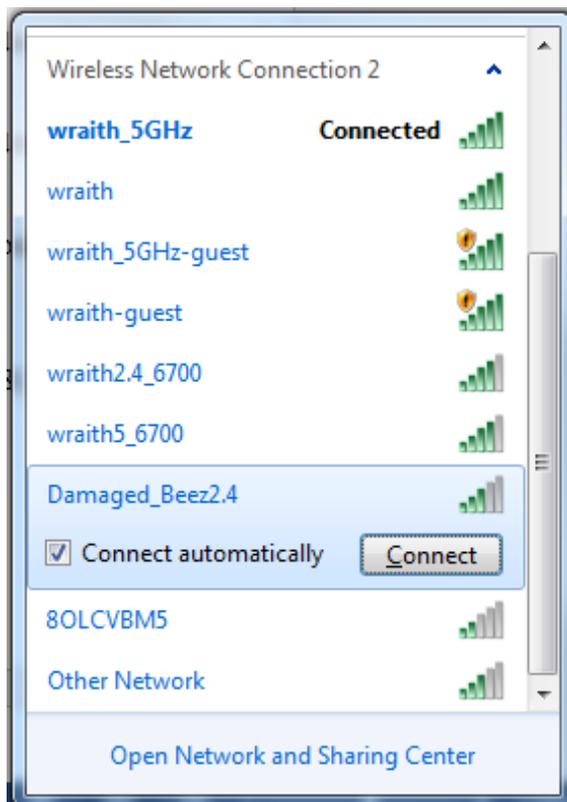

3. If you are prompted to enter a network security key, type your password (security key) into the network *security key* field. Click **OK**.

4. Your computer will connect to the network, and you should be able to access the router.

Depending on your version of Windows, there could be some differences in wording or icons in these steps.

To fix the problem on Mac computers, do the following:

1. In the menu bar across the top of the screen, click the Wi-Fi icon. A list of wireless networks will appear.

2. In the example below, the computer was connected to another wireless network named wraith_5GHz. The wireless network name of the Linksys-E series router, Damaged_Beez2.4 in this example, is shown selected.
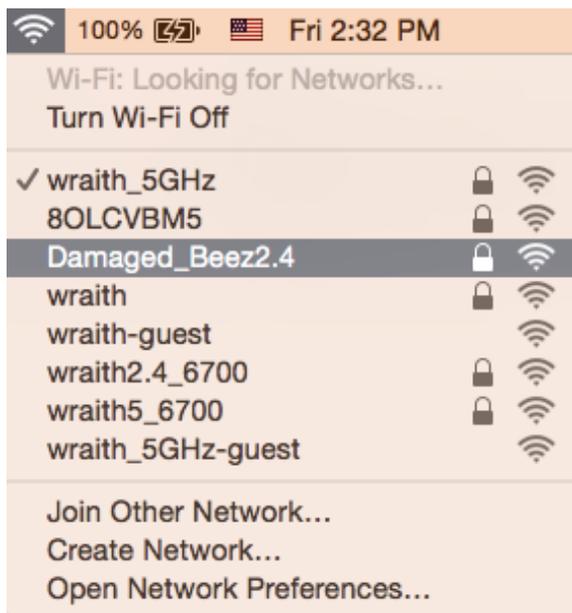
3. Click the wireless network name of your Linksys E-series router (Damaged_Beez2.4 in the example).

4. Type your wireless network password (Security Key) into the *Password* field. Click **OK**.

After setup

The internet appears to be unavailable

If the internet has difficulty communicating with your router, the problem may appear as a "Cannot find [internet address]" message in your web browser. If you know that the internet address is correct, and if you've tried several valid internet addresses with the same result, the message could mean that there's a problem with your ISP or modem communicating with your router.

Try the following:

- Make sure that the network and power cables are securely connected.

- Make sure that the power outlet that your router is connected to has power.

- Reboot your router.

- Contact your ISP and ask about outages in your area.

The most common method of troubleshooting your router is to turn it off, then back on again. Your router can then reload its custom settings, and other devices (such as the modem) will be able to rediscover the router and communicate with it. This process is called rebooting.

To restart your router using the power cord, do the following:

1. Disconnect the power cord from the router and the modem.

2. Wait 10 seconds and reconnect the power cord to the modem. Make sure it has power.

3. Wait until the modem's online indicator has stopped blinking (about two minutes). Reconnect the power cord to the router.

4. Wait until the flashing green light between the Reset button and power port is solid. Wait two minutes before trying to connect to the internet from a computer.

Specifications

Linksys E9450

Model Name	AX5400 Dual-Band WiFi 6 Router
Model Number	E9450
Switch Port Speed	10/100/1000Mbps (Gigabit)
Radio Frequency	2.4 GHz and 5 GHz
# of Antennas	4 internal
Ports	Ethernet (1-4), Internet, Power, USB 3.0
Buttons	Wi-Fi Protected Setup, Reset, Power Switch
Lights	Power, Wi-Fi, Internet, Mesh (for future update), Ethernet
UPnP	Supported
Security Features	WPA2 Personal, WPA3 Personal, WPA2/WPA3 Personal Mixed
Security Key Bits	Up to 128-bit encryption

Environmental

Dimensions	6.12 in (L) x 2.57 in (W) x 8.62 in (H)
Unit Weight	2.02 lbs
Power	12V, 2A
Certifications	FCC, IC, CE, Wi-Fi (IEEE 802.11 a/b/g/n/ac/ax)
Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Operating Humidity	10% to 80% relative humidity, non-condensing
Storage Humidity	5% to 90% non-condensing

Notes:

For regulatory, warranty, and safety information, see the CD that came with your router or go to Linksys.com/support/E9450.

Specifications are subject to change without notice.

Maximum performance derived from IEEE Standard 802.11 specifications. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.

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