



User Guide



Linksys EA-Series

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## Specifications

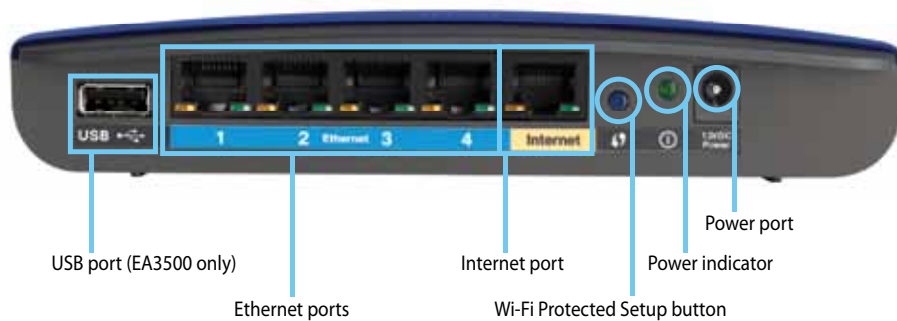
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# Product Overview

## EA2700/EA3500

### Back view



USB port (EA3500 only)

Ethernet ports

Internet port

Power indicator

Power port

Wi-Fi Protected Setup button

Your router's appearance may vary

- **USB port (EA3500 only)**—To easily share disk storage with other users on your network or on the Internet, connect a USB drive to this port.
- **Ethernet ports**—Connect Ethernet cables (also called network cables) to these Gigabit (10/100/1000) ports, color coded blue, and to other wired Ethernet network devices on your network.
- **Internet port**—Connect an Ethernet cable (also called a network or Internet cable) to this port, color coded yellow, and to your modem.
- **Wi-Fi Protected Setup™ button**—Press this button to easily configure wireless security on Wi-Fi Protected Setup-enabled network devices.
- **Power indicator**—Stays on steadily while power is connected and following a successful Wi-Fi Protected Setup connection. Flashes slowly during bootup, during firmware upgrades, and during a Wi-Fi Protected Setup connection. Flashes quickly when there is a Wi-Fi Protected Setup error.

- **Power port**—Connect the included AC power adapter to this port.

#### CAUTION

Use only the adapter that came with your router.

- **Power button**—Press | (on) to turn on the router.

### Bottom view



Your router's appearance may vary

- **Reset button**—Press and hold this button for 5-15 seconds (until the port lights flash at the same time) to reset the router to its factory defaults. You can also restore the defaults using Cisco Connect Cloud.

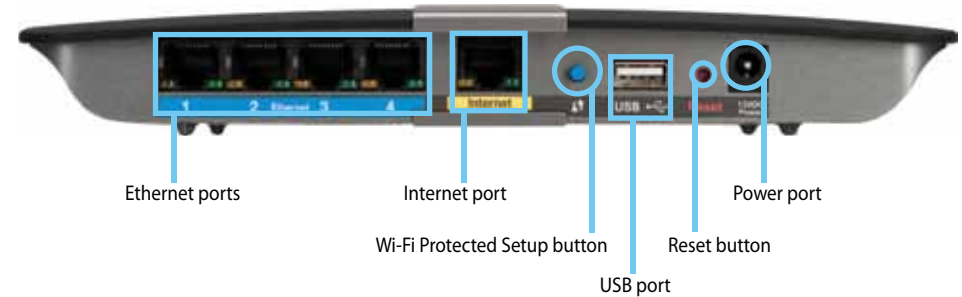
## EA4500

### Top view



- **Indicator light**—Stays on steadily while power is connected and following a successful Wi-Fi Protected Setup connection. Pulsed slowly during bootup, during firmware upgrades, and during a Wi-Fi Protected Setup connection. Flashes quickly when there is a Wi-Fi Protected Setup error.

### Back view



- **Ethernet ports**—Connect Ethernet cables (also called network cables) to these Gigabit (10/100/1000) ports, color coded blue, and to other wired Ethernet network devices on your network.
- **Internet port**—Connect an Ethernet cable (also called a network or Internet cable) to this port, color coded yellow, and to your modem.
- **Wi-Fi Protected Setup™ button**—Press this button to easily configure wireless security on Wi-Fi Protected Setup-enabled network devices.
- **USB port**—To easily share disk storage with other users on your network or on the Internet, connect a USB drive to this port.
- **Reset button**—Press and hold this button for 5-15 seconds (until the port lights flash at the same time) to reset the router to its factory defaults. You can also restore the defaults using Cisco Connect Cloud.
- **Power port**—Connect the included AC power adapter to this port.

#### CAUTION

Use only the adapter that came with your router.

- **Power button**—Press | (on) to turn on the router.

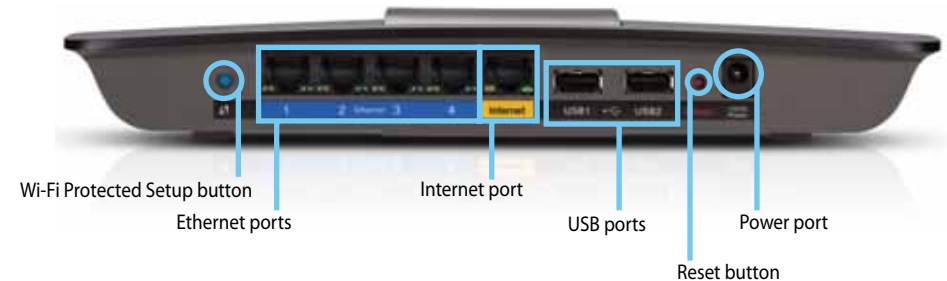
## EA6500

## Top view



- **Indicator light**—Stays on steadily while power is connected and following a successful Wi-Fi Protected Setup connection. Pulsed slowly during bootup, during firmware upgrades, and during a Wi-Fi Protected Setup connection. Flashes quickly when there is a Wi-Fi Protected Setup error.

## Back view



- **Wi-Fi Protected Setup™ button**—Press this button to easily configure wireless security on Wi-Fi Protected Setup-enabled network devices.
- **Ethernet ports**—Connect Ethernet cables (also called network cables) to these Gigabit (10/100/1000) ports, color coded blue, and to wired Ethernet network devices on your network.

**NOTE**

For best performance, use CAT5E or higher rated cables on the Ethernet ports.

- **Internet port**—Connect an Ethernet cable (also called a network or Internet cable) to this port, color coded yellow, and to your modem.
- **USB ports**—To easily share disk storage with other users on your network or on the Internet, connect a USB drive to one of these ports. You can also connect a USB printer and share it across your network.
- **Reset button**—Press and hold this button for 5-15 seconds (until the port lights flash at the same time) to reset the router to its factory defaults. You can also restore the defaults using Cisco Connect Cloud.
- **Power port**—Connect the included AC power adapter to this port.
- **Power button**—Press | (on) to turn on the router.

# Setting Up Your EA-Series Router

## Where to find more help

In addition to this User Guide, you can find help at these locations:

- [Linksys.com/support](http://Linksys.com/support) (documentation, downloads, FAQs, technical support, live chat, forums)
- Cisco Connect Cloud help (connect to **Cisco Connect Cloud**, then click **Help** at the top of the screen)

## How to install your router

### NOTE:

If you lose your setup CD, you can download the software from [Linksys.com/support](http://Linksys.com/support).

### To install your router:

1. Insert the CD into your CD or DVD drive.
2. Click **Set up your Linksys Router**.

If you do not see this:

- For Windows, click **Start, Computer**, then double-click the **CD** drive and the **Setup** icon.
- For Mac, double-click the **CD** icon on your desktop, then double-click the **Setup** icon.

3. Follow the on-screen instructions to complete your router setup.

At the end of setup, follow the on-screen instructions to set up your Cisco Connect Cloud account. Use Cisco Connect Cloud to easily manage your router's settings, such as:

- Change your router's name and password
- Set up guest access
- Configure parental controls

- Connect devices to your network
- Test your Internet connection speed



### NOTE:

As part of Cisco Connect Cloud account setup, you will be sent a verification e-mail. Make sure that you open the e-mail from Cisco and click the provided link.

## How to use Cisco Connect Cloud

### How to connect to Cisco Connect Cloud

You can use Cisco Connect Cloud to configure your router from any computer that has an Internet connection.

#### To open Cisco Connect Cloud:

1. Click the **Cisco Connect Cloud** icon on your desktop.  
- OR -  
Open a web browser and go to [www.ciscoconnectcloud.com](http://www.ciscoconnectcloud.com).
2. Enter the e-mail address and password you set up earlier, then click **Log in**.



## How to change router settings

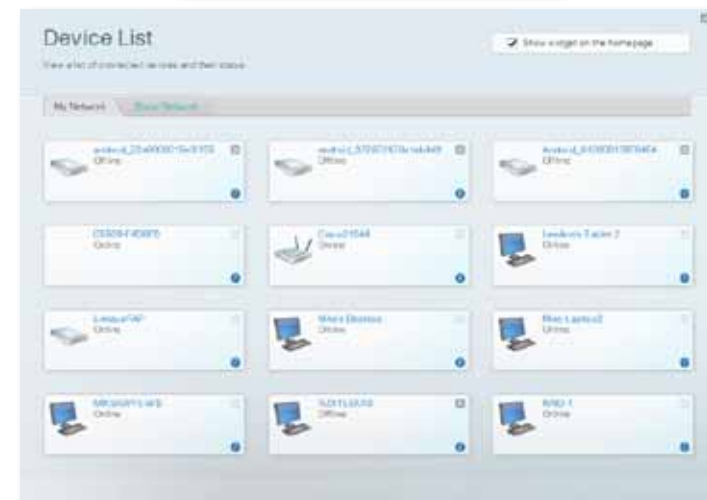
Use Cisco Connect Cloud to change settings on your router and set up special features such as parental controls and guest access.

#### To change router settings:

##### NOTE:

For additional help on any menu, click **Help** at the top of the screen.

1. Open Cisco Connect Cloud and log into your account.
2. In the menu on the left, click an option:
  - **Device List** lets you display and manage all network devices connected to your router. You can view devices on your main network and your guest network, disconnect the devices, or display information about each device.



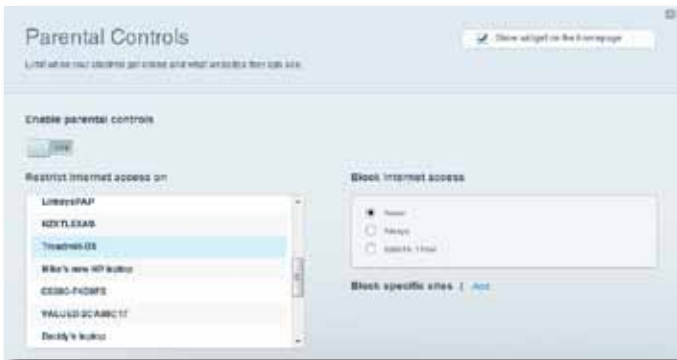
- **Guest Access** lets you configure and monitor a network that guests can use without accessing all of your network resources.

### Guest Access



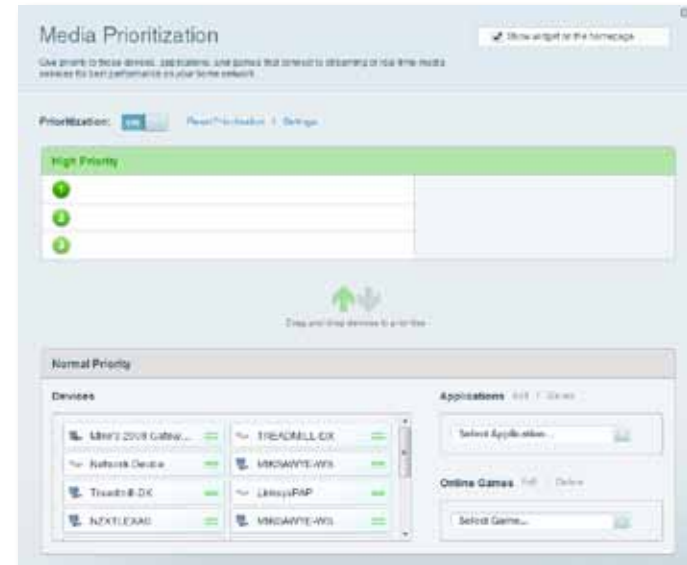
- **Parental Controls** let you block web sites and set Internet access times.

### Parental Controls



- **Media Prioritization** lets you set which devices and applications have top priority for your network traffic.

### Media Prioritization



- **Speed Test** lets you test your network's Internet connection speed.

### Speed Test






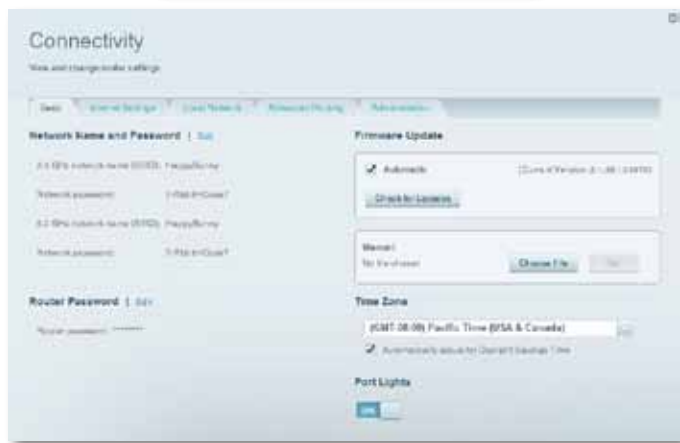
- **USB Storage** lets you access an attached USB drive (not included) and set up file sharing, a media server, and FTP access. (Available only on routers with USB ports.)

 **USB Storage**




- **Connectivity** lets you configure basic and advanced network settings.

 **Connectivity**



- **Troubleshooting** lets you diagnose problems with your router and check the status of the network.

 **Troubleshooting**

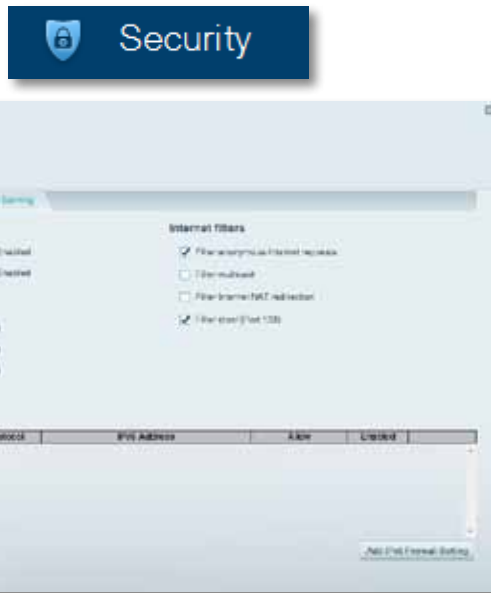


- **Wireless** lets you configure your router's wireless network. You can change the security mode, password, MAC filtering, and connect devices using Wi-Fi Protected Setup™.

 **Wireless**



- **Security** lets you configure your router's wireless security. You can set up the firewall, VPN settings, and make custom settings for applications and games.



# Troubleshooting

This chapter can help you solve common setup issues and connect to the Internet. You can find more help from our award-winning customer support at [linksys.com/support](http://linksys.com/support).

## Your router was not successfully set up

If Cisco Connect Cloud did not complete the setup, you can try the following:

- Press and hold the **Reset** button on your router with a paperclip or pin for 5-15 seconds, then run the **Setup** program again on the router's CD.



Your router's appearance may vary

- Temporarily disable your computer's firewall (see the security software's instructions for help), then run the **Setup** program again on the router's CD.
- If you have another computer, use that computer to run the **Setup** program again on the router's CD.

## Windows XP Service Pack update

On Windows XP computers, Cisco Connect Cloud requires Service Pack 3 in order to work. If the currently installed Service Pack is older than version 3, you need to download and install Service Pack 3.

### TIP

To temporarily connect to the Internet and download the required Service Pack, you can use the included Ethernet cable to connect your computer directly to your modem.

### To install Service Pack 3:

1. Connect to the Microsoft Update website ([update.microsoft.com/windowsupdate](http://update.microsoft.com/windowsupdate)).
2. Follow the instructions on the website or contact Microsoft if you need further help.
3. After downloading and installing Service Pack 3, run the **Setup** program on your router's CD.

## 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, follow these troubleshooting steps.

### To fix the problem:

1. 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**, but may be named **Internet** or **WAN**.



Back view of router



Back view of cable modem



Back view of DSL modem

2. Make sure that your modem is connected to power and is turned on. If it has a power switch, make sure that it is set to the **ON** or **I** position.
3. If your Internet service is cable, verify that the cable modem's **CABLE** port is connected to the coaxial cable provided by your ISP.  
Or, if your Internet service is DSL, make sure that the DSL phone line is connected to the modem's **DSL** port.
4. If your computer was previously connected to your modem with a USB cable, disconnect the USB cable.
5. Run the **Setup** program again on the router's CD.

### Cannot access your router message

If you cannot access your router because your computer is not connected to your network, follow these troubleshooting steps.

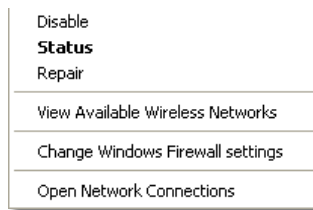
To access your router, you must be connected to your own network. If you currently have wireless Internet access, the problem may be that you have accidentally connected to a different wireless network.

#### To fix the problem on Windows computers:

1. On your Windows desktop, right-click the wireless icon in the system tray.



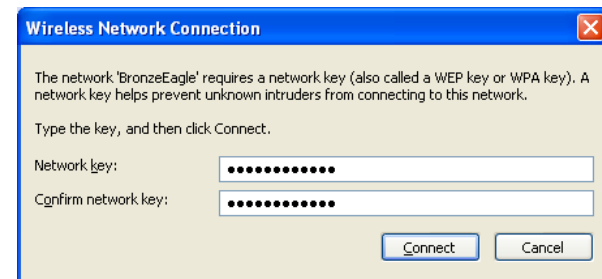
2. Click **View Available Wireless Networks**. A list of available networks appears.



3. Click your own network name, then click **Connect**. In the example below, the computer was connected to another wireless network named *JimsRouter*. The name of the Linksys E-Series network, *BronzeEagle* in this example, is shown selected.



4. If you are prompted to enter a network key, type your password (Security Key) into the **Network key** and **Confirm network key** fields, then click **Connect**.



Your computer connects to the network, and you should now be able to access the router.

**To fix the problem on Mac computers:**

1. In the menu bar across the top of the screen, click the **AirPort** icon. A list of wireless networks appears. Cisco Connect has automatically assigned your network a name.

In the example below, the computer was connected to another wireless network named *JimsRouter*. The name of the Linksys E-Series network, *BronzeEagle* in this example, is shown selected.



2. Click the wireless network name of your Linksys E-Series router (*BronzeEagle* in the example).
3. Type your wireless network password (Security Key) into the **Password** field, then click **OK**.



# Specifications

## Linksys EA2700

Model Name	Linksys EA2700
Description	Dual-Band N600 Router with Gigabit
Model Number	EA2700
Switch Port Speed	10/100/1000 Mbps (Gigabit Ethernet)
Radio Frequency	2.4 and 5 GHz
# of Antennas	4 (2 per band)
Ports	Power, Internet, and Ethernet (1-4)
Buttons	Reset, Wi-Fi Protected Setup, power (EU models only)
LEDs	Power/Wi-Fi Protected Setup, Internet, Ethernet (1-4)
UPnP	Supported
Security Features	WEP, WPA, WPA2, RADIUS
Security key bits	Up to 128-bit encryption
Browser Support	Internet Explorer 8 or higher, Firefox 4 or higher, Google Chrome 10 or higher, and Safari 4 or higher

## Environmental

Dimensions	174 x 190 x 28 mm (6.85" x 7.48" x 1.10")
Unit Weight	297.7 g (10.5 oz)
Power	12V, 1A
Certifications	FCC, IC, CE, Wi-Fi A/B/G/N
Operating Temp.	0 to 40°C (32 to 104°F)
Storage Temp.	-20 to 60°C (-4 to 140°F)
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](http://Linksys.com/support).

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.

## Linksys EA3500

Model Name	Linksys EA3500
Description	Dual-Band N750 Router with Gigabit and USB
Model Number	EA3500
Switch Port Speed	10/100/1000 Mbps (Gigabit Ethernet)
Radio Frequency	2.4 and 5 GHz
# of Antennas	6 (3 per band)
Ports	Internet, Ethernet (1-4), USB, Power
Buttons	Reset, Wi-Fi Protected Setup, power (EU models only)
LEDs	Power, Internet, Ethernet (1-4)
UPnP	Supported
Security Features	WEP, WPA, WPA2, RADIUS
Security key bits	Up to 128-bit encryption
Storage File System Support	FAT, NTFS, and HFS+
Browser Support	Internet Explorer 8 or higher, Firefox 4 or higher, Google Chrome 10 or higher, and Safari 4 or higher

## Environmental

Dimensions	6.69" x 0.98" x 7.48" (170 x 25 x 190 mm)
Unit Weight	11.5 oz (326 g)
Power	12V, 2A
Certifications	FCC, IC, CE, Wi-Fi A/B/G/N, Windows 7
Operating Temp.	32 to 95°F (0 to 35°C)
Storage Temp.	-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](http://Linksys.com/support).

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.



## Linksys EA4500

Model Name	Linksys EA4500
Description	Dual-Band N900 Router with Gigabit and USB
Model Number	EA4500
Switch Port Speed	10/100/1000 Mbps (Gigabit Ethernet)
Radio Frequency	2.4 and 5 GHz
# of Antennas	6 (3 per band)
Ports	Power, USB, Internet, Ethernet (1-4)
Buttons	Reset, Wi-Fi Protected Setup, power (EU models only)
LEDs	Top panel: Power Back panel: Internet, Ethernet (1-4)
UPnP	Supported
Security Features	WEP, WPA, WPA2, RADIUS
Security Key Bits	Up to 128-bit encryption
Storage File System Support	FAT, NTFS, and HFS+
Browser Support	Internet Explorer 8 or higher, Firefox 4 or higher, Google Chrome 10 or higher, and Safari 4 or higher

## Environmental

Dimensions	8.86" x 0.98" x 6.30" (225 x 25 x 160 mm)
Unit Weight	12.7 oz (360 g)
Power	12V, 2A
Certifications	FCC, IC, CE, Wi-Fi a/b/g/n, Windows 7, DLNA
Operating Temp.	32 to 104°F (0 to 40°C)
Storage Temp.	-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](http://Linksys.com/support).

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.

## Linksys EA6500

Model Name	Linksys EA6500
Description	Dual-Band AC Router with Gigabit and 2xUSB
Model Number	EA6500
Switch Port Speed	10/100/1000 Mbps (Gigabit Ethernet)
Radio Frequency	2.4 and 5 GHz
# of Antennas	6 (3 per band)
Ports	Power, USB (2), Internet, Ethernet (1-4)
Buttons	Reset, Wi-Fi Protected Setup, power (EU models only)
LEDs	Top panel: Power Back panel: Internet, Ethernet (1-4)
UPnP	Supported
Security Features	WEP, WPA, WPA2, RADIUS
Security Key Bits	Up to 128-bit encryption
Storage File System Support	FAT, NTFS, and HFS+
Browser Support	Internet Explorer 8 or higher, Firefox 4 or higher, Google Chrome 10 or higher, and Safari 4 or higher

## Environmental

Dimensions	10.8" x 1.58" x 7.25" (256 x 40 x 184 mm)
Unit Weight	17.67 oz (501 g)
Power	12V, 3A
Certifications	FCC, IC, CE, Wi-Fi a/b/g/n/draft ac, Windows 7, DLNA
Operating Temp.	32 to 104°F (0 to 40°C)
Storage Temp.	-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](http://Linksys.com/support).

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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