

USER GUIDE

AX3200 DUAL-BAND GIGABIT WiFi 6 ROUTER

Model E8420

Contents

Product Overview	3
Front	
Back	4
Setting Up: Basics	5
Where to find more help	5
How to install your router	5
Advanced Configuration	7
How to open the browser-based utility	7
Basic Router Settings	8
Language	9
Basic WI-FI Settings	
Wireless Security	
Security Option Settings	
WPA2 Personal	
Disabled	
Troubleshooting	
Your router was not successfully set up	
<i>Your Internet cable is not plugged in</i> message	
<i>Cannot access your router</i> message	
After setup	
The internet appears to be unavailable	
Specifications	
Linksys E8420	
Environmental	

Product Overview

Front



Power light-Blinks blue while router is starting up and during WPS pairing. Blinks yellow if WPS pairing fails

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

Ethernet activity lights-Each light will be solid blue if an ethernet cable is connected to the corresponding port. They will blink blue if there is activity on the port.

Back

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.

Reset button (2)—Press and hold for until the power LED starts flashing to reset the router to factory settings.

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

Power switch (7) — Press | (ON) to turn on the router.

Setting Up: Basics

Where to find more help

In addition to this user guide, you can find help at Linksys.com/support/E8420(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/license.

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 .

Note—Wait until the power light on the front panel of the router stops blinking and is solid blue before moving to Step 4.

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. If you need help connecting to the network refer to your device documentation on the provided CD.

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.



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.

Once you register we other things that will only use your email f	e can share important security updates. Product recalls and mprove your experience. All we need is your email. We will or limited security and customer support purposes.
Email Address	
-	
🗆 Linksys may also er	nail me to keep up to date with special offers and information
from linksys. You can t	insubscribe at any time by using the link at the end of any email
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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 <u>http://myrouter.local</u> in a web browser or go to 192.168.1.1.



LINKSYS E8450 AX3200 Gigabit WiFi Router
Password:
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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 password is "admin".

Basic Router Settings

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

LINKSYS			©Log Out
System Status	Configuration	Parental Controls	Troubleshooting
Connectivity Local Network	Local Network		
VLAN Setup VLAN Setup IPv6 Setup	IP Address	192 . 168 . 1 . 1	
MAC Address Clone Advance Routing	Subnet Mask	255.255.255.0 \$	
▶ Wi-Fi Security	Router Name	Linksys00030	
External Storage Administration	DHCP Server Setting		
	DHCP Server	DHCP Reservation	
	Start IP Address	192 . 168 . 1. 100	
	Maximum Number of Users	150	
	IP Address Range	192.168.1.100 to 192.168.1.249	
	Client Lease Time	1440 minutes	
	Static DNS 1	0.0.0	
	Static DNS 2	0.0.0	
	Static DNS 3	0.0.0	
	WINS	0.0.0.0	
	Save Cancel		
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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 dropdown menu.

LINKSYS			AX3200 0	C Log Out @ Help Firmware Version: 1.0.00 Sigabit WiFi Router F8450
System Status	Configuration	Parental Controls		Troubleshooting
Coonscilluty Local Network WAN Setup VLAN Setup NAC Address Clone Advance Routing * Wi-F1 * Security External Storage Adviruisbution	WAN Setup Internet Setup Automatic Configuration - DHCP Optional Settings (required by some Host Name Domein Name MTU Size Size Size Cancel	Statis IP PPPoE PPTP	/L2TP Bridge Mode	Wireless Bridge

• 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).

• PPTP

Point-to-Point Tunneling Protocol (PPTP) is a service that generally applies to connections in Europe. If your PPTP connection supports DHCP or a dynamic IP address, select *Obtain an IP Address Automatically*. If you are required to use a fixed IP address to connect to the internet, select *Specify an IP Address* and configure the options that appear.

• L2TP

Layer 2 Tunneling Protocol (L2TP) is a service that generally applies to connections in Israel.

Note—Connect on Demand or Keep Alive are options when choosing PPPoE, PPTP and L2TP. They let you choose whether the router connects to the internet only as needed (useful if your ISP charges for connect time), or if the router should always be connected. Select the appropriate option.

• 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.

• Wireless Bridge

A wireless bridge wirelessly connects to your main router and can share the internet connection with devices connected to the bridge's Ethernet ports.

Basic Wi-Fi Settings

LINKSYS				©Log Out € Help Firmware Version:1.0.00 AX3200 Gigabit WiFi Router E8450
System Status	Configuration		Parental Controls	Troubleshooting
System Status	Configuration Basic Wireless Settings 5 GHz Wireless Settings Network Mode Network Name (SSID) Channel Width Channel SID Broadcast 2.4 GHz Wireless Settings Network Mode Network Name (SSID)	Mixed Linksys0003 Auto Auto Mixed Linksys0003	Parental Controls	Troubleshooting
	Channel Width Channel SID Broadcast Save Cancel	Auto Auto	subsidiaries and affiliates. in	ncluding Linksys, LLC. All rights reserved.

5GHz Network Mode—Select the wireless standards your network will support.

• Mixed (default)

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

• Wireless-AC Mixed

Select if you have Wireless-A, Wireless-N, or Wireless-AC devices in your network.

• Wireless-A Only

Select if you have only Wireless-A devices.

• Wireless-N Only

Select if you have only Wireless-N devices.

• Disabled

Select if you have no Wireless-A, Wireless-N, Wireless-AC and Wireless-AX (5 GHz) devices in your network. 5GHz radio will be off after you choose this option.

Note—If you are not sure which mode to select, keep the default, Mixed.

2.4GHz Network Mode—Select the wireless standards your network will support.

• Mixed (default)

Keep the default if you have Wireless-B, Wireless-G, Wireless-N 2.4GHz devices in your network.

• Wireless-B/G Only

Select if you have Wireless-B, Wireless-G devices in your network.

• Wireless-B Only

Select if you have only Wireless-B devices.

• Wireless-G Only

Select if you have only Wireless-G devices.

• Wireless-N Only

Select if you have only Wireless-N 2.4G devices.

• Disabled

Select if you have no Wireless-B, Wireless-G, and Wireless-N (2.4 GHz) devices in your network. 2.4GHz radio will be off after you choose this option.

Note—If you are not sure which mode to select, keep the default, Mixed.

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 LinksysXXXX and LinksysXXXX_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 Configuration > Administration > Device Reset 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 and Wireless-N (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 or 80 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:

WPA2/WPA3 Mixed Personal, WAP2 Personal, WPA2 Enterprise, WPA3 Personal, WPA3 Enterprise (WPA stands for Wi-Fi Protected Access.)

WPA3 is the strongest security option.

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

If you are not sure whether a device supports WPA2 or WPA3 Personal, select WPA2/WPA3 Mixed Personal option in Security Mode.

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	10

Troubleshooting

You can find more help from our award-winning customer support at Linksys.com/support/E8420.

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.



- 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.



• Make sure that your modem is connected to power and is turned on.



- 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.

Wireless Network Cor	nnection	2	^	-
wraith_5GHz	Conr	nected	110	
wraith			In	
wraith_5GHz-guest				
wraith-guest				
wraith2.4_6700			110	
wraith5_6700			In	
Damaged_Beez2.4			110	-
Connect automati	ically (Connec	t.	
8OLCVBM5			di	
Other Network			-	-
Open Network	and Shari	ing Cente	er	

- 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 blue Power and Internet lights on the front of the router are solid. This takes about two minutes. Then, connect to internet from a computer.

Specifications

Linksys E8420

Model Name	AX3200 Dual-Band Gigabit WiFi 6 Router
Model Number	E8420
Switch Port Speed	10/100/1000Mbps (Gigabit Ethernet)
Radio Frequency	2.4 GHz and 5 GHz
# of Antennas	4
Ports	Ethernet (1-4), Internet, Power
Buttons	Wi-Fi Protected Setup, Reset, Power Switch
LEDs	Power, Internet, Ethernet (1-4)
UPnP	Supported
Security Features	WPA2 Personal, WPA3 Personal, WPA2/WPA3
	Mixed Personal, WPA2 Enterprise, and WPA3
	Enterprise
Security Key Bits	Up to 192-bit encryption
Storage File System Support	FAT, FAT32, NTFS, HFS+

Environmental

Dimensions	156mm (L) x 77.11mm (W) x 220mm (H)
Unit Weight	635 g
Power	12V/2A
Certifications	FCC, IC, CE, Wi-Fi (IEEE 802.11 a/b/g/n/ac)
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/E8420.

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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LNKPG-00753 RevA00



DIE LAYOUT





PRINT SPECS: Color Plates:

Finish:

Artwork File:

LEGAL - 80 GSM WOOD FREE



Notes:

ACCORDION FOLD, PRINT BOTH SIDES ALL TEXT AND GRAPHIC ELEMENTS COLOR: BLACK

INS_E8450_8850-01249_RevA00_AX3200_DUAL-BAND_WiFi6_ROUTER_Regulatory_Warranty_Info

Business Unit: NET-Networking

Program Manager:

Packaging Engineer: Brian Byrd

Retail Outside Dimension (Including Hang Tab) $L \times W \times D$ (in): $5 \times 5 \times 5$

L x W x D (mm):127.00 x 127.00 x 127.00

DIE/MATERIAL SPECS:

Material: Please refer to drawing Blank Size (in): 20 x 5 Blank Size (mm): 508 x 127

This dieline works for following skus (if any):

Unit: IN/MM Side Shown: **PRINT SIDE** Flute/Grain: horizontal Tolerance:+/- 1/32" - 0.8mm Drawing Scale 1:1

RELEASE DATE: 09/27/2018 DIELINE:



LEGEND:



Nitto Tape



Screen Glue

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