# LINKSYS

USER GUIDE

### **MAX-STREAM®** Tri-Band Mesh WiFi 6E Router

MR7500 Series

# Table of Contents

Product Overview	3
Help	6
Where to find more help	6
Set Up	7
What you'll need	
Linksys Whole Home Wi-Fi System Settings	9
Log in to the Linksys app	
Navigation Menu	
Dashboard	
Devices	
To view or change device details	13
Parental Controls	14
Wi-Fi Settings	
Advanced Wi-Fi Settings	
Connect a Device with WPS	
Guest Network Access	
Device Prioritization	
Notifications	
Network/Router Administration	
Advanced Settings	
Internet Settings	
Port Settings	
Wi-Fi MAC Filters	24
External Storage	
Speed Check	
My Account	
Feedback	
Help	29
Connect Directly To Your Router	30
Router password	
How to factory reset your router	
Specifications	33
Linksys MR7500	
Environmental	
Linksys MR75WH	
Environmental	34

# **Product Overview**

Light



Light description	Status	
Blue (blinking)	Starting up/WPS pairing started	
	Wait for the router to finish starting up or WPS paring to complete.	
Purple	Ready for setup	
	Open the Linksys app to complete setup.	
Purple (blinking)	Setup in progress	
	Follow instructions in the app.	
Blue	Connected to internet/WPS pairing successful	
	Router is online, everything is good.	
Red	No internet	
	Not online, check with your ISP for service interruptions.	
Red (blinking)	Disconnected	
	Child node: too far from a working node	
	Parent node: unplugged from the modem	
Yellow	Weak signal (child nodes only)	
Yellow (blinking)	WPS pairing unsuccessful	



MR75WH

**Ethernet ports (1)**—Connect ethernet cables to these blue gigabit (10/100/1000) ports, and to wired devices on your network. If you plan to have more than one node in your mesh Wi-Fi system, you can add child nodes wirelessly or create wired connections using these ports. If the new child node has a port labeled Internet, use that one.

Note—For best performance, use CAT5e or higher rated cables on the Ethernet ports.

**Internet port (2)**—Connect an ethernet cable to the yellow gigabit (100/1000/2500/5000 Mbps) port, and to a broadband internet cable/DSL or fiber modem. If you plan to use this router as a child node in a mesh system, you can add it wirelessly or use this port to wire it to an ethernet port on another node that has already been set up.

Note—For best performance, use CAT5e or higher rated cable on the Internet port.

USB 3.0 port (MR7500 only) (3) — Connect and share USB drives on your network or on the internet.

**Reset button (4)**—To factory reset your router, press and hold while the light on top of the router blinks red. Do not release the button until the light goes out and then turns bright red.

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

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



Wi-Fi Protected Setup<sup>™</sup> button—Press to connect to WPS-enabled network devices.

# Help

### Where to find more help

- Linksys.com/support/MR7500 or Linksys.com/support/MR75WH
- Linksys app help (launch the app and click Help in the main navigation menu)



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

# Set Up

**IMPORTANT**—Your MR7500 Series router can be set up as a parent node or a child in a whole home mesh Wi-Fi system. A parent node must be connected with an ethernet cable to your modem or modem-router. Child nodes can be connected wirelessly or with ethernet cables.

If you are adding the router as the parent node for an existing Velop whole home mesh Wi-Fi system, factory reset all nodes and add them to the system after your MR7500 Series router is setup and working.

Download the Linksys app. You need this app to set up your router.

Go to the app store for your device and search for Linksys. Look for this icon: 🛜

### What you'll need

Install the app, open it and follow the instructions.

Note—The app works with iOS 11.4 and later, and Android 6.0 and later.

During setup you will create a Linksys Smart Wi-Fi account so you can use the app to view or change your router system settings from anywhere you have an internet connection.

Among the many things you can do with Linksys Smart Wi-Fi and the Linksys app:

- Change your Wi-Fi name and password
- Set up guest access
- Connect devices to Wi-Fi with WPS
- Block internet with parental controls
- Test your internet connection speed

**Note**—We'll send you a verification email. While connected to your home network, click the link in the email to link your router with your account.

Other than plugging in the power and the ethernet cable, the app-based setup process does the work for you. Once connected, use the app to personalize your Wi-Fi by giving it a name and password. You also can give your router and any child nodes names based on where they are so you can identify them in the rare case where things need attention.

If you want to add child nodes to create a whole home mesh Wi-Fi system, set them up within range of a working node. Only the parent node has to be wired to the modem or modem-router. Don't worry, the app will help you place your nodes.

Print this page, then record your Wi-Fi and account settings in the table as a reference. Store your notes in a safe place.

Wi-Fi Name	
Wi-Fi Password	
Router Password	
Guest Network Name	
Guest Network Password	
Linksys App Login Email Address	
Linksys App Password	

Your login email address and password can also be used to log in at LinksysSmartWiFi.com on a computer. You can view or manage your Wi-Fi in an internet browser.

# Linksys Whole Home Wi-Fi System Settings

Using your Linksys app, you can view or change Wi-Fi system settings including security and parental controls. You can access settings from anywhere in the world if you have an internet connection. You can also access your system directly from your home network, even if you don't have an internet connection.

## Log in to the Linksys app

1. Open the Linksys app, tap Log in.







- 2. Enter the email address you used when creating your account.
- 3. Enter your account password.
- 4. Tap Log in.

# **Navigation Menu**

 $\equiv$ 

Tap the menu icon

to navigate around the app.



	Android	
	Dashboard	$\equiv$
6-0	Devices	
$(\cdot$	Wi-Fi Settings	
ૃત્Q્ર	Guest Access	
Ē	External Storage	
$\odot$	Speed Check	((·
c	Parental Controls	ara
$\downarrow \uparrow$	Device Prioritization	
Ĉ	Notifications	
<u></u>	Network Administration	
	Advanced Settings	
R	My Account	(î
Ţ	Feedback	ara
?	Help	۶Q
ŧ	Set Up a New Product	Ô
	MyHomeWiFi >	$\downarrow\uparrow$

### Dashboard

Dashboard is a snapshot of your Wi-Fi. See how many devices are connected to your system. From Dashboard you can share your Wi-Fi password and turn on guest access. Dashboard also shows you if any devices have parental controls on them or have been prioritized for Wi-Fi access.



Android 	100%
Dashboard	100%
MyHomeWiFi is <b>Onl</b> i	ine
	-
Internet De	<b>D-</b> - <b>L</b> evices
🙃 Wi-Fi	
My Home Wi-Fi	Z
<sup>순</sup> 작 Guest Access	
My Home Wi-Fi_Guest	Z
O Parental Controls	
Justin's Laptop Blocked Manually	
$\downarrow \uparrow$ Device Prioritization	(+)
📄 External Storage	U
Office	Eject 🛆
SD	
13.04 GB used	59.61 GB
IP address for SMB access: 10.101.1.1	

### **Devices**

View and change details for all devices connected to your Wi-Fi. You can view devices on your main network and your guest network, or display information about each device.



#### To view or change device details

From the Devices screen you can edit device names and change the device icons. You also can prioritize devices, set parental controls, and see Wi-Fi details. Tap on any device to see details.

•••∘∘ Belkin 🗢	10:19 AM	100% 🔲
$\leftarrow$	Mikah's Laptop	
	Change Icon	
Mikah's Lap	otop	
[]] Office Nod		
Device Prioritiza <b>On</b>		>
Parental Control		>
Off		
192.168.1.169	9 1	Reserve DHCP
70:48:0F:83:E	B:1	
fe80:0000:000	00:0 0000:4425:48f0:5b	d8:5c93
192.168.1.169	9	Reserve DHCP
70:48:0F:83:E	B:1	
	00:0 0000:4425:48f0:5b	d8:5c93

## **Parental Controls**

Parental controls allow you to control when your kids are online and what they're doing there. Pause internet to specific devices, or block specific websites.

10:06 🗑 🛠 ♥ 🛍 🛛 😭 🏶 💲 🦉 🛲 77% 着 < Manage your kids online.	< Timmy's iPad
	PARENTAL CONTROLS
	Pause Internet Access  Scheduled a Pause
<ul><li>Schedule a Pause</li><li>Block specific websites</li></ul>	Block Specific Websites
Control a Device	

## **Wi-Fi Settings**

View or change your Wi-Fi name and password and connect devices using Wi-Fi Protected Setup™.



#### Advanced Wi-Fi Settings

Advanced users can change the default security type and Wi-Fi mode. Do not change these unless you have a lot of experience with Wi-Fi networks. Channel Finder will search for the least populated Wi-Fi channels in your area to ensure you get the best performance from your system. If you have more than one node in your system, Channel Finder will find the best channel for each node.

●●●○○ Belkin		100% 🔲	
$\leftarrow$	Advanced Wi-Fi Settings	Save	
Security 1 WPA2-Pe		>	
Wi-Fi Moo <b>Mixed</b>		>	
Channel F	inder	>	

$\leftarrow$ Channel Finder
Channel Finder will scan your environment for the Wi-Fi channels that will give you the best performance. We will turn off your Wi-Fi for up to three minutes while we do this.
Scan Channels

#### Connect a Device with WPS

Wi-Fi Protected Setup allows you to easily connect wireless devices to your Wi-Fi without manually entering security settings.

$\leftarrow$ Connect a De	evice with WPS
WPS	
Wi-Fi Protected Setup connect new devices t without manually conf settings.	o your Wi-Fi network
Cor	nnect
Use	a PIN

## **Guest Network Access**

Use your Guest Access screen to allow guests to get online while restricting their access to other resources connected to your Wi-Fi. Send the password by text message or email.

•••∘∘Belkin 🗢	10:19 AM	100% 🔲
$\equiv$	Guest Access	
Guest Access		
My Home W	i-Fi_guest	
•••••	••••	

## **Device Prioritization**

Choose up to three devices for priority usage of your internet connection. Those devices – wired and/or wireless – always will have the best access when connected. Your router runs a speed check to determine how to best distribute Wi-Fi to prioritized devices. Other devices will share the leftover capacity.



### **Notifications**

If you have more than one node, the app can notify you when child nodes in your system go offline. Child nodes are any that are not wired to your modem. You have to turn on notifications in your mobile device settings to allow the app to notify you.

●●●○○ Belkin ᅙ	10:19 AM	100% 🔲
$\equiv$	Notifications	
A secondary noc	le is offline	

# **Network/Router Administration**

Use the Network Administration screen to change the router password and hint, and check various identifiers (model number, serial number, and IP details) for your router.

E Network Administration	
Living Room	
Change Router Password and Hint >	
Automatic Firmware Update	
Time Zone Pacific Time (USA & Canada) > GMT-08:00	
Diagnostic Information	
Contribute to future improvements. Automatically report router errors to Linksys. We won't use any information you submit for purposed other than provide you with our customer care and improve our products.	
Manually report a specific issue <b>Report</b>	
IP Details	
Restart Router	
<ul> <li>Learn more about Network Administration</li> </ul>	

Opt in to automatically report crashes to Linksys and contribute to improving the Wi-Fi experience. You also can manually report specific issues to Linksys.

The following information will be sent with your description of the issue:

App version	<ul> <li>Login Type (cloud: show email address associated, local: display "Router admin")</li> </ul>
Device model	• WAN Connection type (display <i>Wi-Fi or ethernet</i> )
Device OS version	• Time: date (mo/day/year, time, time zone)

# **Advanced Settings**

#### Internet Settings

You can choose how your router connects to the internet. The default is Automatic Configuration – DHCP. Other connection types depend on your internet service provider or how you plan to use your router. Advanced users can use Additional Settings to clone MAC addresses and set MTU (maximum transmission unit).

10:06 🖾 🐝 🌻 🛍	<b>````</b> * <sup>`</sup> * <sup>1</sup>	.⊪ 77% ∎ੈ
< Internet S	Settings	Save
Connection Type Automatic Configuration -	DHCP	
IPv6 Automatic		
Additional Settings		
i Learn more		

#### Port Settings

Port forwarding—for a single port, multiple ports or a range of ports—sends traffic inbound on a specific port or ports to a specific device or port on your Wi-Fi. In port range triggering, your router watches outgoing data for specific port numbers. Your router remembers the IP address of the device that requests the data so that when the requested data returns, it is routed back to the proper device.



#### Wi-Fi MAC Filters

Every network device has a unique 12-digit MAC (media access control) address. You can create a list of MAC addresses, and then allow or deny those devices on your Wi-Fi.



# External Storage (MR7500 only)

In the Dashboard, see which node an external drive is connected to, check the amount of free space left, and enable authentication by setting a username and password. (Only when a drive is plugged in to your router's USB port.) Be sure to tap Eject Ever  $\triangle$  before removing a drive to avoid losing data.

No SIM 훅	5:45 PM	@ 🕇 🕴 83% 🔲 ·
	External Stora	ge 🔿
Office		Eject 🛆
4750-6C	COA	
10.69 MB (	used	28.94 GB
IP address f	for SMB access: 192.168.3	1.1
Authentic	cation	
	File Sharing (SMB) your network can access cc	onnected storage.
	nter \\ plus the IP address fo access into Windows Explo 1.100)	
Server. Ente	open Finder and navigate to er smb:// plus the IP addres: o access. (Example: smb://19	s for the storage drive
When authe guest for SI	entication is not enabled, yo MB access.	u'll need to log in as a

## **Speed Check**

Run a speed check to make sure you are getting the speeds you pay for. Speed check also helps in Device Prioritization because results determine how Wi-Fi is distributed to the prioritized devices.

C 🖬 🗣 A 🖨 🗹	🖻 🕸 🔃 😭 🌹 H	🖥 📶 78% 🖬 11:17 AM
≡ s	peed Chec	k
ł	<sup>D</sup> ing 💿 19 ms	
101	1   1	_21
Mbps Downlo	bad	Mbps Upload
Results		
At this speed, you can stream HD videos, hold video conferences, and play online games on multiple devices at the same time.		
	Test again	
	E <b>DTEST</b> po	owered⁼

- Download speed is the rate at which internet content is transferred to your router.
- Upload speed is the rate at which you can upload content to the internet.

**Note**—Internet connection speeds are determined by a variety of factors, including ISP account type, local and worldwide internet traffic, and number of devices in your home that are sharing the internet connection.

# **My Account**

Change your Linksys app password and opt in to receive the latest news and deals from Linksys. Only available when logged into the app with your email address.

10:08 🖬 📽 🥊	<b>11</b> 12 *	३ ୱେଲା 76% 💼
<	My Account	Save
Password ● ● ● ● ● ● ● ●	•	
Phone Number +1 310 546 \$		
Security		
2-Step Verifica	ation	On 🗦
Marketing		
Newsletter Be the first to l deals & news.	know about exclusive	
	Log Out	
	Close Account	

## Feedback

Here's your chance to tell us what you think. Rate the app at your app store, send us a suggestion, or report an issue that's keeping you from a great experience.



# Help

Having trouble with the app? Just need a little more information about a feature? Tap Help for an explanation.

	Help
+	Getting Started with Linksys Smart Wi-Fi
+	Frequently Asked Questions
+	Browse by Topic or Feature
+	Subscription
+	About
+	Help and Support

# **Connect Directly To Your Router**

If you are not connected to the internet you still can access your router settings. Connect to your Wi-Fi name, launch the Linksys app and tap Log in with Router Password toward the bottom of the screen. You will not be able to access your Linksys Wi-Fi account when not online.

iPho	one	, All and All a	Android	
9:41	.ııl 🗢 🔲	5:11 🕐 🏶 🗹 🔮 🖨	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>ጅ ፺଼ີ "</b> ም .⊪ 100%
<	?	$\leftarrow$	$\dot{\mathbf{s}}$	
Log in				
Email	Router Password	Use Email	Use	Admin Passwo
ogging in with router nanage your WiFi whi our WiFi.	password lets you le connected to	Enter Admin Passwor	ď	
		Show Hint		Reset Passwo
nter password				
	Forgot Password?			
			Log in	
🔒 L	og in			
New		111	0	<
Create an	account			

#### Router password

We created a secure admin password during setup. To change it, tap Network/Router Administration and Change Router Password and Hint.

3:24 🕥	☑ ± ⅔ 盟 므	<b>@</b> * <sup>\$</sup> , 46	.⊪ 91%∎
<	Admin Pa	assword	Save
setting created Should	hin password l s when you ar d a secure pas you need it la reset it, or you	e not online. sword during ter, we'll show	We J setup. v you
Admin P	assword		
••••	• • • •		
Admin P	assword Hint		
To add a	hint, create a ne	w admin passwo	ord.
		)	<

To keep your router secure, we'll send you an email if someone changes the router password.

# How to factory reset your router

You should never need to factory reset your MR7500 Series router—a very disruptive process. A factory reset restores your router to the state it was when you took it out of its box, requiring you to go through the setup process again. All settings you have customized in setup and since – things such as Wi-Fi name, passwords, security type – will be erased. All wireless devices will disconnect from your Wi-Fi.

To factory reset :

• With your router connected to power and turned on, press and hold the Reset button on the back panel. The light on top of the router will blink red. Do not release the button until the light goes out and then turns bright red.



MR7500



# **Specifications**

# Linksys MR7500

Model Name	LINKSYS MR7500 MESH WIFI 6E ROUTER, AX6600
Model Number	MR7500
Switch Port Speed	10/100/1000 Mbps (Gigabit Ethernet)
Radio Frequency	2.4 GHz,5 GHz , 6GHz
# of Antennas	4 external adjustable antennas (non-detachable), 1 internal antenna
Ports	USB 3.0, Ethernet (1-4), Internet, Power
Buttons	Power, Reset, WPS
Lights	Front panel: One, multicolor light for power and status
	Back panel: USB, ethernet (1-4), internet
Security Features	Open, Open and Enhanced Open, Enhanced Open Only, WPA2-Personal, WPA3-Personal, WPA2/WPA3-Personal Mixed. 6GHz only supports WPA3-Personal and Enhanced Open Only.
Security Key Bits	Up to 128-bit encryption
Storage File System Support	FAT, NTFS, HFS+

# Environmental

Dimensions	9.96" x 6.77" x 2.16" (253 mm x 172 mm x 55 mm)
Unit Weight	2 lbs (909 g)
Power	12V/3A
Certifications	FCC, Wi-Fi (IEEE 802.11a/b/g/n/ac/ax)
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

### Linksys MR75WH

Model Name	LINKSYS MR75WH MESH WIFI 6E ROUTER, AX6600
Model Number	MR75WH
Switch Port Speed	10/100/1000 Mbps (Gigabit Ethernet)
Radio Frequency	2.4 GHz, 5 GHz , and 6GHz
# of Antennas	4 external adjustable antennas (non-detachable), 1 internal antenna
Ports	Ethernet (1-4), Internet, Power
Buttons	Power, Reset, WPS
Lights	Front panel: One, multicolor light for power and status
	Back panel: ethernet (1-4), internet
Security Features	Open, Open and Enhanced Open, Enhanced Open Only,WPA2-Personal, WPA3-Personal, WPA2/WPA3-Personal Mixed. 6GHz only supports WPA3-Personal and Enhanced Open Only.
Security Key Bits	Up to 128-bit encryption

### **Environmental**

Dimensions	9.96" x 6.77" x 2.16" (253 mm x 172 mm x 55 mm)
Unit Weight	2 lbs (909 g)
Power	12V/3A
Certifications	FCC, Wi-Fi (IEEE 802.11a/b/g/n/ac/ax)
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, go to Linksys.com/support/MR700 or Linksys.com/support/MR75WH.

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.

Visit linksys.com/support for award-winning technical support.

BELKIN, LINKSYS and many product names and logos are trademarks of the Belkin group of companies. Third-party trademarks mentioned are the property of their respective owners.

© 2021 Belkin International, Inc. and/or its affiliates. All rights reserved.

LNKPG-00849 Rev A00