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Linksys RE6800

Linksys RE6800 AC1750 Wi-Fi Range Extender User Manual

Model: RE6800 | Brand: Linksys

1. OVERVIEW

The Linksys RE6800 AC1750 Wi-Fi Range Extender is designed to expand the coverage of your existing Wi-Fi network, eliminating dead zones and providing stronger, more reliable wireless connectivity throughout your home or office. This dual-band extender supports speeds up to AC1750, ensuring high-speed performance for all your connected devices.



Image 1.1: Front view of the Linksys RE6800 AC1750 Wi-Fi Range Extender, showing its compact design and LED indicator.

Key features include Push Button Connect (WPS) for easy setup, and Spot Finder Technology to help you determine the optimal placement for maximum Wi-Fi extension.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Linksys RE6800 AC1750 Wi-Fi Range Extender unit
- Quick Start Guide
- Regulatory Information

3. PHYSICAL FEATURES

The Linksys RE6800 features a streamlined design with essential indicators and ports:

- **LED Indicator:** Located on the front, this light indicates the extender's status and connection quality.
- **Ethernet Port:** A Gigabit Ethernet port is located on the bottom, allowing you to connect a wired device or use the extender in Access Point mode.
- **WPS Button:** For quick and easy setup with WPS-enabled routers.
- **Reset Button:** A small recessed button to restore factory default settings.

4. SETUP

There are two primary methods to set up your Linksys RE6800 range extender:

4.1. Push Button Connect (WPS)

This is the simplest method for WPS-enabled routers.

1. Plug the range extender into a power outlet midway between your router and the area without Wi-Fi.
2. Wait for the LED on the extender to blink orange.
3. Press the WPS button on your router.
4. Within two minutes, press the WPS button on the Linksys RE6800 extender.
5. The LED on the extender will turn solid green when the connection is successful.

4.2. Manual Setup (Web Browser)

Use this method if your router does not have a WPS button or if WPS setup fails.

1. Plug the range extender into a power outlet.
2. On a computer or mobile device, connect to the Wi-Fi network named 'Linksys Extender Setup - XXX'.
3. Open a web browser and navigate to <http://extender.linksys.com>.
4. Follow the on-screen instructions to select your existing Wi-Fi network(s) and enter the password(s).
5. Create new network names (SSIDs) for your extended networks or use the same as your router.
6. Complete the setup wizard.

4.3. Spot Finder Technology

After initial setup, use Spot Finder Technology to ensure optimal placement. Access the extender's web interface (<http://extender.linksys.com>) and look for the Spot Finder tool. It will guide you to the best location for your extender, indicating if it's too close, too far, or just right from your router.

5. OPERATING THE RANGE EXTENDER

5.1. Connecting Devices

Once the extender is set up, devices can connect to the extended Wi-Fi networks. If you created new SSIDs, connect to those. If you chose to use the same SSIDs as your router, your devices should automatically roam to the strongest signal.

5.2. Accessing Settings

To manage your extender's settings, open a web browser on a device connected to the extended network

and go to <http://extender.linksys.com>. You may need to enter the administrator password you created during setup.

5.3. Dual-Band Operation

The RE6800 operates on both 2.4 GHz and 5 GHz bands. The 2.4 GHz band offers wider coverage, while the 5 GHz band provides faster speeds over shorter distances. The extender intelligently manages connections to optimize performance.

6. MAINTENANCE

- **Firmware Updates:** Regularly check for and install firmware updates through the extender's web interface to ensure optimal performance and security.
- **Cleaning:** Keep the extender clean and free from dust. Use a soft, dry cloth. Do not use liquid cleaners.
- **Optimal Placement:** Periodically re-evaluate the extender's placement using Spot Finder Technology, especially if your network layout changes.

7. TROUBLESHOOTING

- **No Connection:** Ensure the extender is powered on and the LED is solid green. Check the connection to your main router. Try restarting both the router and the extender.
- **Slow Speeds:** Relocate the extender using Spot Finder Technology to ensure it's in an optimal position. Ensure your main router is providing adequate speed.
- **Setup Issues:** If WPS fails, try the manual web browser setup. Ensure you are connecting to the correct setup Wi-Fi network. If issues persist, perform a factory reset by pressing the recessed reset button for 5-10 seconds.
- **Intermittent Connection:** This could be due to interference or suboptimal placement. Try adjusting the extender's position or checking for other devices that might be causing interference.

8. SPECIFICATIONS

Product Dimensions	6 x 8 x 2 inches
Item Weight	15.3 ounces
Item Model Number	AC1750 (RE6800)
Wireless Standard	802.11ac
Data Transfer Rate	Up to 1750 Mbps
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Compatible Devices	Devices supporting 802.11a/g/n/ac network standards
Manufacturer	Linksys

9. WARRANTY AND SUPPORT

Linksys products are backed by a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Linksys website.

For technical support, troubleshooting assistance, or to access additional resources, please visit the Linksys support portal:

[Linksys Official Support](#)

Related Documents - RE6800

	<p>Linksys AX1800 MAX-STREAM WiFi Range Extender User Guide (Model RE7310)</p> <p>Comprehensive user guide for the Linksys AX1800 MAX-STREAM WiFi Range Extender (Model RE7310), covering setup, configuration, troubleshooting, and specifications. Learn how to extend your Wi-Fi network for better coverage.</p>
	<p>Linksys AC1200 MAX RE6500 Wi-Fi Range Extender Extend Coverage & Speed</p> <p>Enhance your home network with the Linksys AC1200 MAX RE6500 Wi-Fi Range Extender. This device extends Wireless-AC signals, eliminates dead zones, and offers dual-band speeds up to N300 Mbps + AC867 Mbps. Features include Cross-Band Technology, Audio Streaming, and 4 Gigabit Ethernet ports for reliable connectivity.</p>
	<p>Linksys EA7300 Troubleshooting Guide</p> <p>Find solutions to common issues with your Linksys EA7300 Wi-Fi router, including resetting defaults, connectivity problems, and slow performance.</p>
	<p>Linksys AC1200 Max Wi-Fi Range Extender User Guide</p> <p>User guide for the Linksys AC1200 Max Wi-Fi Range Extender (Model RE6500), providing setup instructions, features, troubleshooting, and specifications for enhancing Wi-Fi coverage.</p>
	<p>Linksys AC1200 Max Wi-Fi Range Extender User Guide</p> <p>This user guide provides comprehensive instructions for setting up and using the Linksys AC1200 Max Wi-Fi Range Extender (Model RE6500). Learn about product features, installation methods including Wi-Fi Protected Setup and browser-based setup, troubleshooting, and specifications.</p>



[Linksys EA6500 v2 Smart Wi-Fi Router User Guide](#)

This user guide provides comprehensive instructions for the Linksys EA6500 v2 Smart Wi-Fi Router, covering setup, configuration, features like Wireless-AC, dual-band, USB storage, and troubleshooting. Optimize your home network with this essential manual.