

TP-Link RE190

TP-Link AC750 WiFi Range Extender User Manual

Model: RE190

1. INTRODUCTION

Welcome to the user manual for your new TP-Link AC750 WiFi Range Extender. This device is designed to extend your existing Wi-Fi coverage, eliminating dead zones and providing a stable wireless connection throughout your home or office. The RE190 supports dual-band Wi-Fi (2.4 GHz and 5 GHz) for versatile connectivity and features a signal indicator to help you find the optimal placement.



Image: TP-Link AC750 WiFi Range Extender (RE190) and its retail packaging.

2. IMPORTANT SAFETY INFORMATION

- Do not expose the device to water, fire, humidity, or hot environments.
- Do not attempt to disassemble, repair, or modify the device.
- Do not use the device where wireless devices are not allowed.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.

3. PACKAGE CONTENTS

Please check the package contents carefully. If any item is missing or damaged, please contact your retailer.

- TP-Link AC750 WiFi Range Extender (RE190)
- Quick Installation Guide

4. PRODUCT OVERVIEW

4.1 Front View



Image: Front view of the TP-Link RE190 Extender, highlighting its LED indicators for 5G, 2.4G, Power, and Signal.

4.2 LED Indicators

LED	Status	Indication
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LED	Status	Indication
Power	Solid On	The extender is powered on.
2.4G	Solid On	The extender is connected to the 2.4 GHz network.
5G	Solid On	The extender is connected to the 5 GHz network.
Signal	Blue	Good connection to the router.
Signal	Red	Too far from the router. Relocate the extender.
Signal	Off	No connection to the router.

5. SETUP GUIDE

5.1 Method 1: Using the WPS Button (Recommended)

The easiest way to set up your extender is by using the WPS (Wi-Fi Protected Setup) button on your router and the extender.

Estendi e rafforza la copertura Wi-Fi del tuo router

Abbina al router un Range Extender Wi-Fi per portare un segnale Wi-Fi stabile in ogni angolo della casa.



Image: Visual guide for WPS setup, illustrating pressing the WPS button on both the router and the extender.

1. Plug the extender into an electrical outlet near your router.
2. Wait for the Power LED on the extender to turn solid on.
3. Press the WPS button on your router.
4. Within two minutes, press the WPS button on your extender.
5. The Signal LED on the extender should turn blue, indicating a successful connection.

5.2 Method 2: Using a Web Browser

If your router does not have a WPS button, or if the WPS method fails, you can set up the extender via a web browser.

1. Plug the extender into an electrical outlet near your router.
2. Wait for the Power LED on the extender to turn solid on.
3. Connect your computer or mobile device to the extender's Wi-Fi network (e.g., 'TP-Link_Extender' or 'TP-Link_Extender_5G').
4. Open a web browser and type <http://tplinkrepeater.net> or <http://192.168.0.254> in the address bar.
5. Create a login password when prompted.
6. Follow the on-screen instructions to select your host network and configure the extender.

5.3 Finding the Optimal Location

After setup, relocate the extender to a location between your router and the Wi-Fi dead zone. The Signal LED will help you find the best spot:

- **Blue:** Good connection.
- **Red:** Too far from the router. Move the extender closer.

6. OPERATING YOUR RANGE EXTENDER

6.1 Extending Wi-Fi Coverage

The TP-Link RE190 extends your existing Wi-Fi network, allowing devices to connect to the extender's network for improved signal strength and coverage in areas previously unreachable by your main router.

**Range Extender Wi-Fi AC750
con tasto WPS e Smart LED**

RE190

**Estendi e rafforza la
copertura Wi-Fi del router
in ogni angolo della casa**

2.4GHz
fino a 300Mbps

5Ghz
fino a 433Mbps

OneMesh™

Image: Illustration showing how the RE190 extends Wi-Fi coverage from an existing router to cover hard-to-reach areas in a multi-story home.

6.2 Dual Band Operation

The RE190 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 and is less prone to interference. Your devices will automatically connect to the optimal band for their needs.

7. MAINTENANCE AND BEST PRACTICES

- **Firmware Updates:** Regularly check the TP-Link website for firmware updates to ensure optimal performance and security.
- **Placement:** Avoid placing the extender near large metal objects, concrete walls, or devices that emit strong electromagnetic interference (e.g., microwave ovens, cordless phones).
- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid or aerosol cleaners.
- **Power Cycle:** If the extender becomes unresponsive, try unplugging it from the power outlet for 10 seconds and then plugging it back in.

8. TROUBLESHOOTING

Problem	Solution
Extender cannot connect to the router.	Ensure the extender is within range of the router. Try WPS setup again or use the web browser method. Check router settings (e.g., MAC filtering).
Signal LED is red.	The extender is too far from the router. Relocate it closer to the router until the Signal LED turns blue.
No internet access after connecting to extender.	Verify that your main router has internet access. Restart both the router and the extender. Check the extender's settings via the web interface.
Forgot extender's management password.	Perform a factory reset on the extender by pressing and holding the Reset button (usually a small pinhole) for 5-10 seconds while the extender is powered on. This will revert it to default settings.

9. TECHNICAL SPECIFICATIONS

Feature	Detail
Model	RE190

Feature	Detail
Wireless Standard	IEEE 802.11 ac/n/a 5GHz, IEEE 802.11 n/b/g 2.4GHz
Frequency	2.4 GHz & 5 GHz (Dual Band)
Signal Rate	5 GHz: Up to 433 Mbps 2.4 GHz: Up to 300 Mbps
Antennas	3 Internal Antennas
Dimensions (W x D x H)	1.53 x 2.59 x 4.33 inches (39 x 65.8 x 110 mm)
Power Consumption	Approx. 3W
Operating Temperature	0°C~40°C (32°F~104°F)

10. WARRANTY AND TECHNICAL SUPPORT

TP-Link provides a limited warranty for this product. For detailed warranty information, please refer to the warranty card included with your product or visit the official TP-Link website.

For technical support, firmware updates, and FAQs, please visit the TP-Link support page:

<https://www.tp-link.com/support>

You can also contact TP-Link technical support directly via phone or email, details of which are available on their support website.