

TP-Link RE205

TP-Link AC750 Wi-Fi Range Extender (RE205)

User Manual

1. INTRODUCTION AND OVERVIEW

The TP-Link AC750 Wi-Fi Range Extender (model RE205) is designed to extend your existing Wi-Fi coverage and eliminate Wi-Fi dead zones. It operates over both the 2.4GHz and 5GHz bands, providing combined speeds of up to 750Mbps for a more stable wireless experience. This device is compatible with any standard Wi-Fi router or wireless access point, making it a versatile solution for improving your home or office network.

This particular unit is an Amazon Renewed product, meaning it has been professionally inspected and tested to function and appear like new. It offers a cost-effective way to enhance your network without compromising on quality.



Figure 1: Front view of the TP-Link AC750 Wi-Fi Range Extender (RE205).

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- TP-Link AC750 Wi-Fi Range Extender (RE205)
- Power adapter
- Ethernet Cable

3. PRODUCT FEATURES

Key features of the TP-Link AC750 Wi-Fi Range Extender include:

- **Dual-Band Wi-Fi:** Operates over both 2.4GHz (300Mbps) and 5GHz (433Mbps) bands for stable and fast connections.
- **Extended Coverage:** Brings Wi-Fi to dead zones with strong signal expansion up to 750Mbps combined speed.
- **Intelligent Signal Light:** Helps users find the optimal location for the extender by indicating signal strength.
- **Universal Compatibility:** Works seamlessly with any standard Wi-Fi router or wireless access point.
- **Ethernet Port:** Allows for wired connections to devices like gaming consoles or smart TVs.
- **Compact Design:** Small and discreet, designed to blend into any environment.

4. SETUP GUIDE

Setting up your TP-Link AC750 Wi-Fi Range Extender is a straightforward process. You can choose between two primary methods: using the WPS button or the TP-Link Tether app.

Method 1: Using the WPS Button (Recommended for quick setup)

1. **Power On:** Plug the extender into an electrical outlet near your main router. Wait for the Power LED to turn solid.
2. **Press WPS on Router:** Press the WPS button on your main Wi-Fi router.
3. **Press WPS on Extender:** Within two minutes, press the WPS button on your RE205 extender. The Signal LED on the extender should begin to blink.
4. **Verify Connection:** Wait for the Signal LED on the extender to turn solid blue or green, indicating a successful connection.
5. **Relocate Extender:** Unplug the extender and move it to a location halfway between your router and the Wi-Fi dead zone. Ensure the Signal LED remains solid, indicating good signal strength from the router.

Method 2: Using the TP-Link Tether App or Web Browser

1. **Power On:** Plug the extender into an electrical outlet near your main router. Wait for the Power LED to turn solid.
2. **Connect to Extender:** On your smartphone or computer, connect to the extender's Wi-Fi

network (e.g., "TP-Link_Extender"). No password is required initially.

3. Launch Setup:

- **Tether App:** Download and open the TP-Link Tether app. Follow the in-app instructions to set up the extender.
- **Web Browser:** Open a web browser and type <http://tplinkrepeater.net> or <http://192.168.0.254> into the address bar. Create a login password and follow the on-screen instructions to select your host network and configure the extender.

4. **Relocate Extender:** Once configured, unplug the extender and move it to an optimal location. Use the Intelligent Signal Light to guide you.



Figure 2: The RE205 extender plugged into a wall outlet, ready for setup.

5. OPERATING THE EXTENDER

Once your RE205 extender is set up, it will automatically extend your Wi-Fi network. Devices connected to the extender will benefit from improved signal strength and coverage.

Understanding the Signal Light

The Intelligent Signal Light on the front of the extender indicates the strength of the signal it receives from your main router:

- **Blue/Green (Solid):** Good connection. The extender is in an ideal location.
- **Red (Solid):** Weak connection. Relocate the extender closer to your router.
- **Off:** No connection or the extender is not configured.

Using the Ethernet Port

The RE205 includes an Ethernet port on its side. This port allows you to connect a wired device, such as a desktop computer, gaming console, or smart TV, to your Wi-Fi network. The extender acts as a wireless adapter for these devices, providing a stable wired connection where Wi-Fi might be unreliable.



Figure 3: Side view of the RE205, highlighting the Ethernet port and WPS button.

6. MAINTENANCE

To ensure optimal performance and longevity of your TP-Link RE205 extender:

- **Optimal Placement:** Periodically check the Signal Light to ensure the extender is still in the best location. Walls, large metal objects, and other electronic devices can interfere with the signal.
- **Firmware Updates:** Regularly check for and install firmware updates via the TP-Link Tether app or the web management interface. Updates often include performance improvements and security enhancements.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the extender's ventilation holes are not blocked to prevent overheating.

7. TROUBLESHOOTING

If you encounter issues with your RE205 extender, try the following troubleshooting steps:

No Internet Access After Connecting to Extender

- **Check Signal Light:** If the Signal Light is red or off, relocate the extender closer to your router.
- **Verify Router Connection:** Ensure your main router is working correctly and has internet access.
- **Reboot Devices:** Restart your router, extender, and connected devices.

Slow Speed or Frequent Disconnections

- **Relocate Extender:** The extender might be too far from the router or too close to interference sources.
- **Check Router Settings:** Ensure your router's Wi-Fi channels are not congested. Try changing them.
- **Firmware Update:** Ensure your extender's firmware is up to date.

Cannot Access Web Management Page

- **Verify Connection:** Ensure your device is connected to the extender's Wi-Fi network.
- **Clear Browser Cache:** Clear your web browser's cache and cookies, or try a different browser.
- **Reset Extender:** If all else fails, perform a factory reset. Locate the reset button (often a small pinhole) and press and hold it for about 5-10 seconds until all LEDs flash. After resetting, you will need to reconfigure the extender.

8. SPECIFICATIONS

Specification	Detail
Brand	TP-Link
Model	RE205
Wireless Communication Standard	802.11ac

Data Transfer Rate	750 MB (Combined)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Product Dimensions	6 x 4 x 3 inches
Item Weight	4.2 ounces
Manufacturer	TP-LINK USA
First Available Date	July 15, 2019

9. WARRANTY AND SUPPORT

As an Amazon Renewed product, your TP-Link AC750 Wi-Fi Range Extender (RE205) is eligible for replacement or refund under the [Amazon Renewed Guarantee](#) if you are not satisfied with your purchase. This guarantee typically covers the product for 90 days from the date of receipt.

For additional support, detailed FAQs, and the latest firmware updates, please visit the official TP-Link support website. You can also find contact information for technical assistance there.