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› TP-Link AC750 Wi-Fi Range Extender with Two External Antennas (RE205)

TP-Link RE205

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

Model: RE205

1. INTRODUCTION

The TP-Link AC750 Wi-Fi Range Extender (RE205) is designed to eliminate Wi-Fi dead zones in your home or office. It wirelessly connects to your existing Wi-Fi router, strengthening and expanding its signal to areas previously unreachable. This device helps reduce signal interference, ensuring reliable Wi-Fi coverage throughout your space. It operates over both the 2.4GHz and 5GHz bands, providing a more stable wireless experience.



Image 1.1: Front view of the TP-Link AC750 Wi-Fi Range Extender (RE205).

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- AC750 Wi-Fi Range Extender RE205
- Quick Installation Guide



Image 2.1: Retail packaging of the TP-Link RE205, showing the product and its features.

3. PRODUCT FEATURES

- Extends Wi-Fi coverage to eliminate dead zones, offering combined speeds of up to 750Mbps.
- Supports both 2.4GHz (300Mbps) and 5GHz (433Mbps) bands for stable and flexible wireless connections.
- Features an intelligent signal light to assist in finding the optimal placement for the best Wi-Fi coverage.
- Compatible with any standard Wi-Fi router or wireless access point.

4. HARDWARE OVERVIEW

The RE205 is designed for easy integration into your home. Familiarize yourself with its components:

4.1. Ports and Buttons

- **Ethernet Port (RJ45):** One 10/100M Ethernet port located at the bottom, allowing you to connect a wired device like

a smart TV, game console, or PC to your Wi-Fi network.

- **WPS Button:** Used for quick and secure setup with WPS-enabled routers.
- **Reset Button:** A small pinhole button to restore the extender to factory default settings.

4.2. LED Indicators

The front panel features several LED indicators that provide information about the extender's status:

- **Power LED:** Indicates if the extender is powered on.
- **Signal LED:** Shows the signal strength received from the main router. A blue light indicates a good connection, while a red light suggests the extender is too far from the router or has a weak connection.
- **2.4GHz LED:** Indicates activity on the 2.4GHz Wi-Fi band.
- **5GHz LED:** Indicates activity on the 5GHz Wi-Fi band.
- **WPS LED:** Flashes during WPS setup.



Image 4.1: Close-up view of the RE205's LED indicators and WPS button.

LED Indicador de Señal



Image 4.2: Back view of the RE205, showing the power plug and Ethernet port.

5. SETUP

The RE205 offers two primary methods for setup: using the WPS button or via the TP-Link Tether app/web browser.

5.1. Quick Setup using WPS (Recommended for most users)

1. **Plug In:** Plug the RE205 into an electrical outlet near your main Wi-Fi 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. The WPS LED on the extender should start flashing.
4. **Relocate Extender:** Once the Signal LED on the RE205 turns solid blue (indicating a good connection), 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 blue after relocation for optimal performance.



Image 5.1: The RE205 plugged into a wall outlet, extending Wi-Fi coverage.

5.2. Setup using TP-Link Tether App or Web Browser

1. **Plug In:** Plug the RE205 into an electrical outlet near your main Wi-Fi router. Wait for the Power LED to turn solid.
2. **Connect to Extender:** On your smartphone or computer, connect to the Wi-Fi network broadcast by the extender (e.g., "TP-Link_Extender").
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 tplinkrepeater.net or 192.168.0.254 in the address bar. Create a login password and follow the on-screen instructions.
4. **Relocate Extender:** After successful setup, 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 blue after relocation for optimal performance.

Note: For detailed instructions and advanced settings, refer to the full user manual available on the TP-Link support

6. OPERATING THE EXTENDER

Once set up, the RE205 operates automatically to extend your Wi-Fi network. Devices within the extended range will connect to the stronger signal provided by the RE205.

- **Dual-Band Extension:** The extender broadcasts both 2.4GHz and 5GHz Wi-Fi networks, allowing your devices to connect to the most suitable band for their needs, optimizing speed and stability.
- **Ethernet Bridge:** Use the Ethernet port to connect a wired device to your network, effectively turning the extender into a wireless adapter for that device.
- **Access Point Mode:** The RE205 can also function as an Access Point (AP). In AP mode, it connects to a wired network and transforms it into a wireless network, which is useful for adding Wi-Fi capability to a wired-only network. This mode can be configured via the Tether app or web interface.



Image 6.1: Side view of the RE205, highlighting its adjustable external antennas for optimized signal reception.

7. MAINTENANCE

To ensure the longevity and optimal performance of your RE205, consider the following maintenance tips:

- **Placement:** Place the extender in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture.
- **Cleaning:** Gently wipe the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the TP-Link website for firmware updates. Keeping your firmware up-to-date can improve performance, add new features, and enhance security.

8. TROUBLESHOOTING

If you encounter issues with your RE205, try the following solutions:

- **No Power:** Ensure the extender is securely plugged into a working electrical outlet. Check if the Power LED is on.
- **Weak Signal (Red Signal LED):** If the Signal LED is red, the extender is too far from your main router. Relocate the RE205 closer to the router until the Signal LED turns solid blue.
- **No Internet Access:**
 - Verify that your main router has internet access.
 - Ensure the extender is properly connected to your router (Signal LED is solid blue).
 - Try restarting both your router and the extender.
- **Forgotten Wi-Fi Password:** If you forget the password for the extended network, you can reset the extender to factory defaults and reconfigure it.
- **Factory Reset:** To perform a factory reset, use a paperclip to press and hold the Reset button (located in a small pinhole) for about 5 seconds until all LEDs briefly flash. The extender will then restart with default settings.

9. SPECIFICATIONS

Feature	Detail
Brand	TP-Link
Model Number	RE205
Wireless Type	802.11ac
Wireless Communication Standard	802.11ac
Data Transfer Rate	750 Mbps (Combined)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Ethernet Ports	1 x 10/100M Ethernet Port (RJ45)
Item Weight	4.2 ounces
Product Dimensions (LxWxH)	3.15 x 3.07 x 2.44 inches
Voltage	9 Volts
Color	White

Feature	Detail
Manufacturer	TP-LINK USA
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista, Windows 7/8/10, Mac OS, NetWare, UNIX, or Linux

10. WARRANTY AND SUPPORT

The TP-Link AC750 Wi-Fi Range Extender (RE205) comes with a manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the warranty card included in your product packaging or visit the official TP-Link support website.

For technical support, troubleshooting guides, firmware updates, and frequently asked questions, please visit the official TP-Link support page:

[TP-Link Official Support](#)

You can also find additional resources and community forums on the TP-Link website to help with any queries you may have.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question