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› TP-Link AC750 Universal Dual Band Range Extender User Manual

TP-Link RE220

TP-Link AC750 Universal Dual Band Range Extender User Manual

Model: RE220

1. PRODUCT OVERVIEW

The TP-Link AC750 Universal Dual Band Range Extender (Model RE220) is designed to extend your existing Wi-Fi coverage and eliminate Wi-Fi dead zones. It boosts wireless signal to previously unreachable or hard-to-wire areas, providing reliable dual-band Wi-Fi connectivity for your devices. Its compact, wall-mounted design allows for flexible deployment.



Front view of the TP-Link AC750 Range Extender, showing the TP-Link logo and indicator lights for 5G, 2.4G, Wi-Fi, Power, and Signal.

This device is compatible with 802.11 b/g/n and 802.11ac Wi-Fi devices, offering dual-band speeds up to 750Mbps (433Mbps on 5GHz and 300Mbps on 2.4GHz). It also features an Ethernet port, allowing it to function as a wireless adapter to connect wired devices such as gaming consoles or smart TVs to your Wi-Fi network.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- TP-Link AC750 Universal Dual Band Range Extender (RE220)
- Ethernet Cable
- Quick Installation Guide

3. SETUP

There are two primary methods to set up your TP-Link RE220 Range Extender: using the WPS button or via the TP-Link

Tether app/web browser.

3.1. Setup via WPS Button (Recommended)

1. **Plug In:** Plug the extender into an electrical outlet near your main router. Wait for the Power LED to turn solid green.
2. **Press WPS on Router:** Press the WPS button on your main router.
3. **Press WPS on Extender:** Within two minutes, press the WPS button on your RE220 extender. The Signal LED should start blinking.
4. **Relocate:** Once the Signal LED turns solid green or orange, indicating a successful connection, you can unplug the extender and move it to a location between your router and the Wi-Fi dead zone. Ensure the Signal LED remains solid green or orange for optimal performance.



The TP-Link AC750 Range Extender plugged into a standard wall outlet, demonstrating its compact design.

3.2. Setup via TP-Link Tether App or Web Browser

1. **Plug In:** Plug the extender into an electrical outlet near your main router. Wait for the Power LED to turn solid green.

2. **Connect to Extender's Wi-Fi:** On your smartphone or computer, connect to the extender's default Wi-Fi network (e.g., 'TP-Link_Extender' or 'TP-Link_RE220'). No password is required initially.
3. **Launch Setup:** Open the TP-Link Tether app (download from App Store or Google Play) or open a web browser and go to tplinkrepeater.net or 192.168.0.254.
4. **Log In:** Create a login password when prompted.
5. **Follow Instructions:** Follow the on-screen instructions to select your host Wi-Fi network(s) and enter their passwords.
6. **Relocate:** Once setup is complete, unplug the extender and move it to a location between your router and the Wi-Fi dead zone. Ensure the Signal LED remains solid green or orange for optimal performance.

4. OPERATING THE EXTENDER

The RE220 operates by extending both 2.4GHz and 5GHz Wi-Fi bands from your existing router, creating a stronger and wider coverage area.

4.1. Understanding Indicator Lights

- **Power LED:** Solid green indicates the extender is powered on.
- **Signal LED:**
 - Solid Green: Good connection to the router.
 - Solid Orange: Weak connection to the router. Consider relocating closer to the router.
 - Blinking: Connecting to the router or WPS process is active.
 - Off: No connection to the router.
- **2.4G LED:** Solid green indicates the 2.4GHz band is active.
- **5G LED:** Solid green indicates the 5GHz band is active.
- **Ethernet LED:** Solid green indicates a device is connected to the Ethernet port.

4.2. Ethernet Port Functionality

The RE220 includes an Ethernet port at its base. This port allows you to connect a wired device, such as a desktop computer, smart TV, or gaming console, to your Wi-Fi network. The extender acts as a wireless bridge, providing internet access to the wired device.



Bottom view of the TP-Link AC750 Range Extender, highlighting the Ethernet port and the recessed Reset button.

4.3. Optimal Placement

For best performance, place the extender halfway between your router and the area with poor Wi-Fi signal. The Signal LED on the extender will help you determine the best location: solid green indicates a strong connection, while solid orange suggests moving it closer to the router.



The TP-Link AC750 Range Extender plugged into a wall, with an overlay showing its approximate dimensions (110.0 mm height, 65.8 mm width).



A diagram illustrating the dual-band capabilities of the extender (2.4 GHz and 5 GHz) and its ability to connect up to 32 devices, including phones, pads, laptops, game consoles, desktops, and TVs.

5. MAINTENANCE

To ensure the longevity and optimal performance of your RE220 Range Extender, consider the following maintenance tips:

- **Cleaning:** Gently wipe the exterior of the extender with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the official TP-Link website (tp-link.com/us/support/download/re220/) for the latest firmware updates. Updating firmware can improve performance, add new features, and fix bugs.
- **Ventilation:** Ensure the extender is plugged into an outlet with adequate ventilation. Avoid covering the device or placing it in enclosed spaces to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your RE220 Range Extender, refer to the following common problems and solutions:

6.1. Extender Cannot Connect to Router

- **Check Signal LED:** If the Signal LED is off, the extender is not connected.
- **Relocate:** Move the extender closer to your router.
- **Re-attempt Setup:** Try the WPS setup process again, ensuring you press the WPS button on both the router and extender within the two-minute window.
- **Router Compatibility:** Ensure your router supports WPS. If not, use the Tether app or web browser setup method.
- **Router Settings:** Check your router's wireless settings (e.g., MAC filtering, security type) to ensure they are not preventing the extender from connecting.

6.2. Slow Speeds or Frequent Disconnections

- **Optimal Placement:** Ensure the extender is placed in an optimal location (Signal LED solid green or orange). Avoid placing it too far from the router or in areas with many obstructions (thick walls, metal objects).
- **Interference:** Other electronic devices (microwaves, cordless phones) can cause interference. Try moving the extender away from such devices.
- **Channel Congestion:** If many Wi-Fi networks are in your area, try changing the wireless channel on your main router.
- **Firmware:** Ensure your extender has the latest firmware.

6.3. Forgot Management Password

If you forget the password for the extender's management page (Tether app or web browser), you will need to reset the extender to factory defaults.

- **Reset:** With the extender powered on, use a paperclip or a thin object to press and hold the Reset button (located near the Ethernet port) for approximately 5-10 seconds until all LEDs briefly flash.
- **Reconfigure:** After resetting, the extender will revert to its factory default settings, and you will need to reconfigure it as if it were new.

7. SPECIFICATIONS

Feature	Specification
Model	RE220
Wireless Standard	IEEE 802.11ac/n/a 5GHz, IEEE 802.11n/b/g 2.4GHz
Data Transfer Rate	Up to 750 Mbps (433 Mbps on 5GHz, 300 Mbps on 2.4GHz)
Frequency Band	Dual-Band (2.4GHz & 5GHz)
Antennas	Internal Antennas
Ethernet Port	1 x 10/100M Ethernet Port (RJ45)
Buttons	WPS Button, Reset Button
Power Consumption	~6.5W
Dimensions (W x D x H)	2.6 x 4.33 x 2.99 inches (65.8 x 110 x 75.2 mm)
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)

Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

8. WARRANTY AND SUPPORT

TP-Link products come with a limited warranty. For detailed warranty information specific to your region and product, please visit the official TP-Link website.

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

- **TP-Link Support Website:** <https://www.tp-link.com/support/>
- **Product Support Page (RE220):** <https://www.tp-link.com/us/support/download/re220/>

You can also contact TP-Link customer service directly through the contact information provided on their support website.

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