

TP-Link TL-WA750RE

TP-Link TL-WA750RE 150Mbps Universal Wireless Range Extender

Model: TL-WA750RE

1. PRODUCT OVERVIEW

The TP-Link TL-WA750RE is a 150Mbps Universal Wireless Range Extender designed to expand the coverage of an existing wireless network. It eliminates Wi-Fi dead zones by boosting the wireless signal to previously unreachable or hard-to-wire areas. Its compact, wall-mounted design allows for flexible deployment and easy relocation within your home or office.



Figure 1: TP-Link TL-WA750RE Universal Wireless Range Extender. This image shows the device in its retail packaging, highlighting its compact design and wall-plug form factor.

2. KEY FEATURES

- **Range Extender Mode:** Boosts wireless signal to eliminate Wi-Fi dead zones and extend network coverage.

- **Compact Design:** Small size and wall-mounted design for easy deployment and flexible movement.
- **WPS Button:** Allows for instant setup and secure connection with compatible routers.
- **Smart Signal Indicator:** Helps users find the optimal location for placing the range extender for best performance.
- **Universal Compatibility:** Works seamlessly with all 802.11n/g/b wireless devices.

3. PACKAGE CONTENTS

The product package typically includes the following items:

- TP-Link TL-WA750RE 150Mbps Universal Wireless Range Extender
- Instruction Manual

4. SETUP GUIDE

4.1. Quick Setup using WPS Button

1. **Plug In:** Plug the TL-WA750RE into an electrical outlet near your wireless router.
2. **Activate WPS on Router:** Press the WPS button on your main wireless router. Refer to your router's manual for the exact location and procedure.
3. **Activate WPS on Extender:** Within two minutes, press the WPS button on the TL-WA750RE. The Signal LED on the extender should begin to flash.
4. **Wait for Connection:** The Signal LED will turn solid blue or green when a successful connection is established.
5. **Relocate Extender:** Unplug the extender and move it to a location between your router and the Wi-Fi dead zone. Ensure the Signal LED indicates a strong connection (e.g., solid blue or green) in the new location.

4.2. Manual Setup via Web Browser

1. **Plug In:** Plug the TL-WA750RE into an electrical outlet near your computer.
2. **Connect to Extender:** Connect your computer to the extender's Wi-Fi network (e.g., "TP-LINK_Extender_XXXXXX"). No password is required initially.
3. **Access Web Interface:** Open a web browser and type <http://tplinkrepeater.net> or the extender's default IP address (usually 192.168.0.254) into the address bar.
4. **Log In:** Enter "admin" for both the username and password when prompted.
5. **Follow On-Screen Instructions:** Use the Quick Setup wizard to select your main Wi-Fi network and enter its password.
6. **Relocate Extender:** Once configured, unplug the extender and move it to an optimal location between your router and the desired coverage area.



Figure 2: Side view of the TL-WA750RE. This image illustrates the physical layout of the device, including the WPS button and Ethernet port, which are crucial for setup and operation.

5. OPERATING THE RANGE EXTENDER

Once the TL-WA750RE is successfully set up, it will automatically extend your existing Wi-Fi network. Devices within the extended range can connect to the network name created by the extender (e.g., "YourNetworkName_EXT").

5.1. Smart Signal Indicator

The Smart Signal Indicator LEDs on the front of the device provide real-time feedback on the signal strength received from your main router. This helps you determine the best placement for the extender:

- **Solid Blue/Green:** Excellent signal strength.
- **Solid Red:** Weak signal strength. Consider relocating the extender closer to your router.
- **Off:** No connection to the main router.

5.2. Ethernet Port Usage

The TL-WA750RE includes an Ethernet port. This port can be used to connect a wired device, such as a desktop computer, gaming console, or smart TV, to your wireless network, providing a stable wired connection in the extended Wi-Fi area.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid or aerosol cleaners.
- **Placement:** Avoid placing the extender in direct sunlight, near heat sources, or in areas with high humidity.
- **Firmware Updates:** Periodically check the TP-Link official website for firmware updates to ensure optimal performance and security.
- **Power Cycle:** If the device experiences issues, try unplugging it from the power outlet for 10 seconds and then plugging it back in.

7. TROUBLESHOOTING

Q1: What should I do if I cannot access the extender's web management page?

A1: Ensure your computer is connected to the extender's network. Verify that <http://tplinkrepeater.net> is correctly typed in the browser. If issues persist, try using the extender's IP address (e.g., 192.168.0.254) or reset the extender to factory defaults.

Q2: My extended network has poor signal or frequent disconnections.

A2: Check the Smart Signal Indicator on the extender. If it's red or off, the extender is too far from your main router. Relocate the extender to a position where the indicator shows a strong signal (solid blue/green). Ensure there are no major obstructions between the router and the extender.

Q3: How do I reset the extender to factory default settings?

A3: With the extender powered on, use a pin to press and hold the Reset button (usually a small hole) for approximately 5-10 seconds until all LEDs flash briefly. The extender will then restart with factory default settings.

8. SPECIFICATIONS

Brand	TP-Link
Model Number	TL-WA750RE
Wireless Standard	802.11b/g/n
Data Transfer Rate	150 Mbps
Frequency	2.4 GHz
Special Features	Smart Signal Indicator, WPS Button
Connector Type	RJ45 (Ethernet Port)
Item Weight	0.4 Pounds
Color	White

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This TP-Link TL-WA750RE device comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship

under normal use.

9.2. Technical Support

For technical assistance, troubleshooting, or further inquiries, please visit the official TP-Link support website or contact their customer service. You can find detailed support resources, FAQs, and contact information at www.tp-link.com/support.