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› TP-Link RE505X WiFi Extender Instruction Manual

TP-Link RE505X

TP-Link RE505X WiFi Extender User Manual

Model: RE505X

INTRODUCTION

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your TP-Link RE505X WiFi Extender. The RE505X is designed to expand your existing WiFi coverage, eliminate dead zones, and provide reliable high-speed internet access throughout your home.

PRODUCT OVERVIEW

The TP-Link RE505X is a dual-band WiFi 6 range extender, offering speeds up to 1.5 Gbps. It features high-gain antennas for extended coverage and a Gigabit Ethernet port for wired connections. It is also OneMesh compatible, allowing for a seamless whole-home mesh WiFi system.



Image: Front view of the TP-Link RE505X WiFi Extender, showing its compact design and two external antennas.

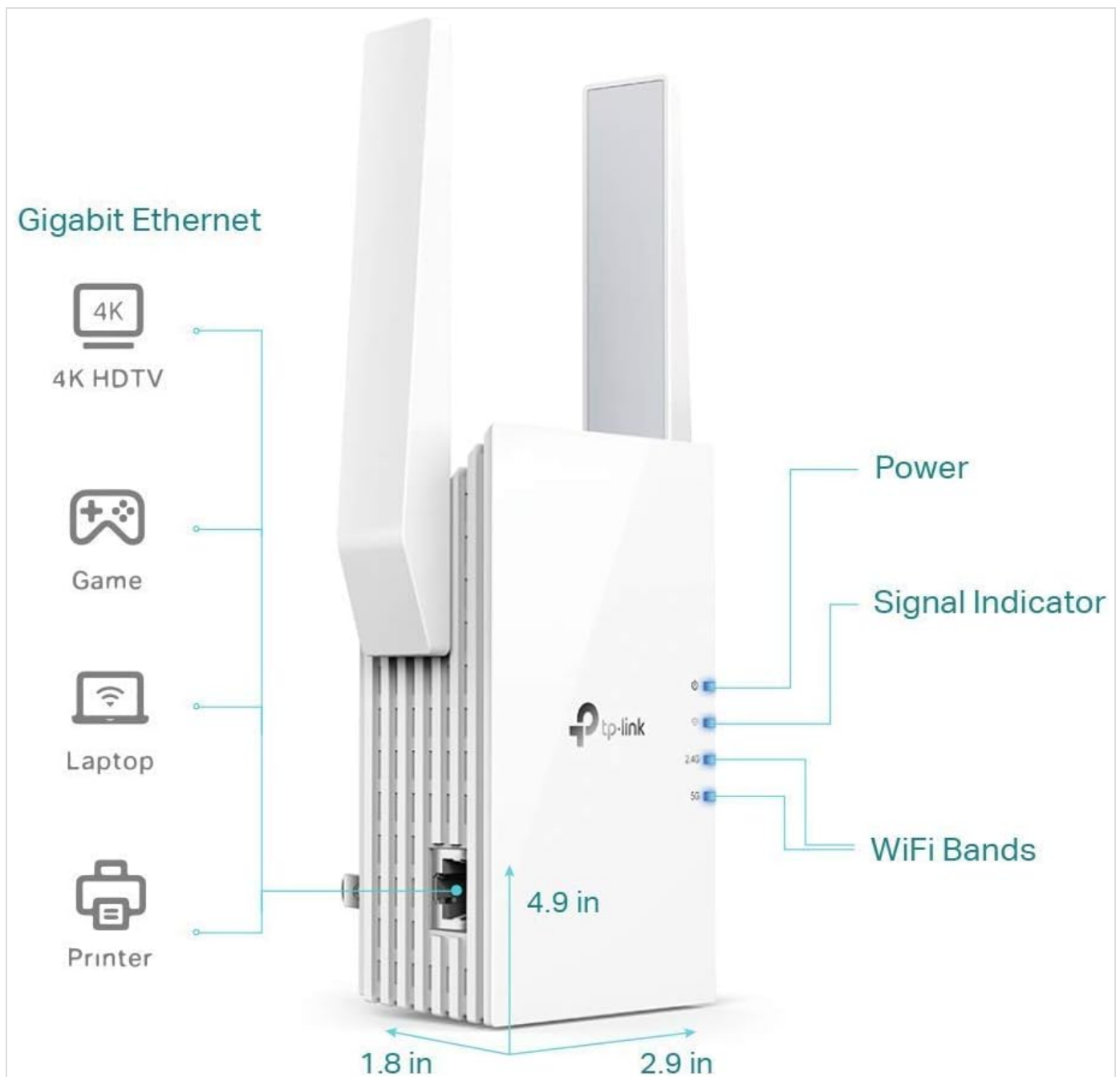


Image: Diagram illustrating the various components of the RE505X, including the power button, signal indicators (Power, 2.4G, 5G), and Gigabit Ethernet port. Dimensions are also shown.

SETUP

The RE505X is designed for quick and easy setup.

1. **Placement:** Plug the extender into an electrical outlet halfway between your router and the WiFi dead zone. Ensure the signal indicator lights up blue for optimal performance.
2. **Download the TP-Link Tether App:** For the easiest setup, download the TP-Link Tether app from the App Store (iOS) or Google Play Store (Android).
3. **Follow On-Screen Instructions:** Open the Tether app and follow the step-by-step instructions to add your RE505X to your network. This typically involves connecting to the extender's temporary WiFi network and then selecting your home WiFi network to extend.
4. **WPS Button Setup (Alternative):** If your router supports WPS, you can press the WPS button on your router, then within two minutes, press the WPS button on the RE505X. The extender will automatically connect to your router.

Universally Compatible & Sets Up in Minutes

Compatible with all WiFi-enabled devices,
routers, and access points

1

Download the
TP-Link Tether
app (Android, iOS)

2

Add to your account by
following on-screen
instructions

3

Enjoy!



Image: Visual representation of the three main setup steps: Download the TP-Link Tether app, add to account by following on-screen instructions, and enjoy.

OPERATING THE EXTENDER

Once set up, the RE505X operates automatically to extend your WiFi signal.

Signal Indicators

- **Power LED:** Indicates the power status of the extender.
- **2.4G LED:** Indicates the connection status to the 2.4 GHz band of your router.
- **5G LED:** Indicates the connection status to the 5 GHz band of your router.
- **Signal LED:** Indicates the signal strength received from your router. A blue light typically means a good connection.

OneMesh Compatibility

The RE505X is compatible with TP-Link OneMesh routers, such as the Archer A7. When paired with a OneMesh router, the extender creates a unified network name (SSID) for seamless roaming throughout your home. This means your devices will automatically connect to the strongest WiFi signal without manual switching.

Create a Mesh Network



Smart
Roaming



One WiFi
Network Name



Unified
Management

More OneMesh Devices Coming Soon.

Please check whether your existing TP-Link router supports OneMesh™ on TP-Link's website.

Image: Illustration demonstrating how the RE505X combines with an Archer A7 router to form a OneMesh whole-home WiFi system, offering smart roaming, one WiFi network name, and unified management.

Gigabit Ethernet Port

The extender includes a Gigabit Ethernet port, allowing you to connect a wired device such as a smart TV, gaming console, or PC directly to the extender for a stable and high-speed connection.

MAINTENANCE

To ensure optimal performance and longevity of your TP-Link RE505X WiFi Extender, consider the following maintenance tips:

- **Firmware Updates:** Regularly check for and install firmware updates via the TP-Link Tether app or TP-Link's official website. Updates often include performance improvements, bug fixes, and security enhancements.
- **Cleaning:** Keep the extender free from dust. Use a soft, dry cloth to gently wipe the exterior. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the extender is placed in a location with adequate airflow to prevent overheating. Do not cover the

- ventilation holes.
- **Optimal Placement:** If you experience a drop in performance, re-evaluate the extender's placement. Ensure it is still halfway between your router and the desired coverage area, and that the signal indicator shows a strong connection.

TROUBLESHOOTING

If you encounter issues with your RE505X, try the following troubleshooting steps:

- **No Power:**
 - Ensure the extender is securely plugged into a working electrical outlet.
 - Try a different outlet.
- **No Internet Connection:**
 - Check if your main router has internet access.
 - Verify the extender is properly connected to your router (check signal indicator).
 - Restart both your router and the extender.
 - Relocate the extender closer to your router to improve signal strength.
- **Weak or Intermittent Signal:**
 - Adjust the extender's position to find an optimal spot where the signal indicator shows a strong connection.
 - Minimize interference from other electronic devices (e.g., microwaves, cordless phones).
 - Ensure your router's firmware is up to date.
- **Cannot Access Extender's Management Page:**
 - Ensure your device is connected to the extender's WiFi network.
 - Try accessing tplinkrepeater.net or the extender's IP address in your web browser.
 - Clear your browser's cache and cookies.
- **Factory Reset:**
 - If all else fails, you can perform a factory reset. With the extender powered on, use a pin to press and hold the Reset button (usually a small hole) for about 5 seconds until the LEDs flash. This will restore the extender to its default settings, and you will need to set it up again.

SPECIFICATIONS

Feature	Detail
Model Number	RE505X
Brand	TP-Link
Wireless Standards	802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n
Data Transfer Rate	Up to 1.5 Gbps (1201 Mbps on 5 GHz, 300 Mbps on 2.4 GHz)
Frequency Band	Dual-Band (2.4 GHz & 5 GHz)
Ethernet Port	1 x Gigabit Ethernet (RJ45)
Dimensions (L x W x H)	3.83 x 2.48 x 6.23 inches

Feature	Detail
Weight	8 ounces

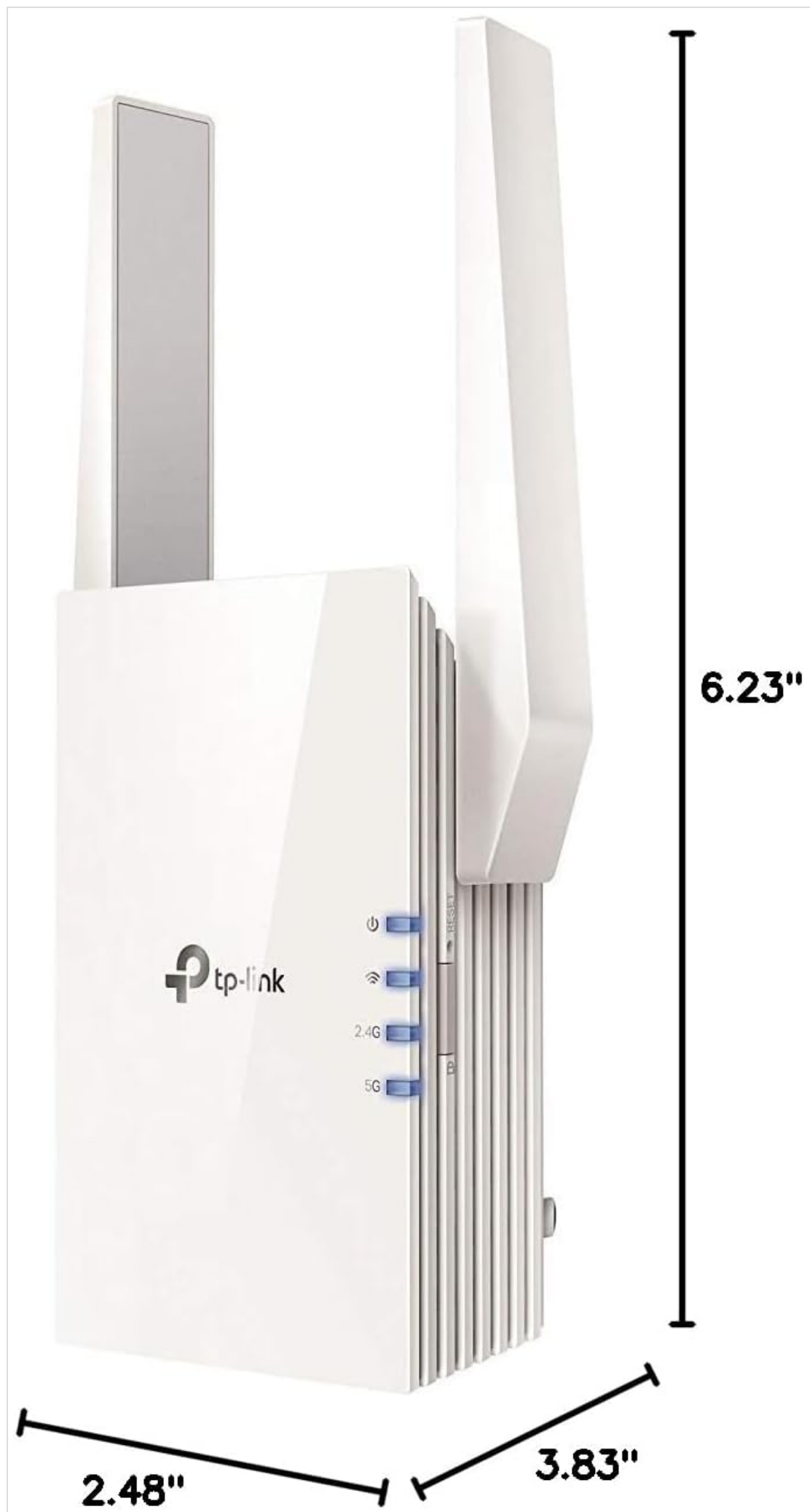


Image: Side view of the TP-Link RE505X WiFi Extender with its physical dimensions (height, width, depth) clearly marked.

WARRANTY & SUPPORT

This product is sold as an Amazon Renewed item. Amazon Renewed products are professionally inspected and tested to work and look like new.

If you are not satisfied with your purchase, renewed products are eligible for replacement or refund under the **Amazon Renewed Guarantee**. Please refer to the Amazon Renewed program terms and conditions for specific details regarding returns and support for renewed products.

For technical support related to the TP-Link RE505X, please visit the official TP-Link support website or contact their customer service.

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