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› TP-Link RE605X AX1800 Wi-Fi 6 Range Extender User Manual

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Model: RE605X

1. INTRODUCTION

The TP-Link RE605X is an AX1800 Dual Band Wi-Fi 6 Range Extender designed to expand your existing Wi-Fi network coverage. It eliminates Wi-Fi dead zones and provides faster speeds, greater capacity, and reduced network congestion using the latest Wi-Fi 6 technology. This manual provides instructions for setting up, operating, and troubleshooting your RE605X.



Figure 1: TP-Link RE605X AX1800 Wi-Fi 6 Range Extender

2. KEY FEATURES

- **Faster Wi-Fi 6 Speed:** Equipped with Wi-Fi 6 technology for speeds up to 1201 Mbps on the 5GHz band and 574 Mbps on the 2.4GHz band.
- **Dual Band:** Operates on both 2.4GHz and 5GHz frequencies simultaneously.
- **OneMesh Compatible:** Creates a seamless Mesh network when connected to a OneMesh router for whole-home coverage.
- **Gigabit Ethernet Port:** Provides a fast-wired connection for devices like smart TVs, computers, and gaming consoles.
- **Intelligent Signal Light:** Helps determine the optimal placement for the extender by indicating signal strength.
- **Access Point (AP) Mode:** Transforms a wired internet connection into a dual-band wireless access point.
- **TP-Link Tether App:** Allows easy setup and management of your network from iOS or Android mobile devices.
- **Ultimate Compatibility:** Extends the range of any standard Wi-Fi router or wireless access point.

3. SETUP

There are two primary methods to set up your RE605X range extender: using the WPS button or via the TP-Link Tether app.

3.1. WPS Button Setup (Recommended for quick setup)

1. Plug the extender into an electrical outlet near your router.
2. Wait for the Power LED on the extender to turn solid blue.
3. Press the WPS button on your router.
4. Within two minutes, press the WPS button on your RE605X extender.
5. The Signal LED on the extender should turn solid blue, indicating a successful connection. If not, try repositioning the extender closer to the router and repeat the steps.

OneMesh™ Router + Range Extender

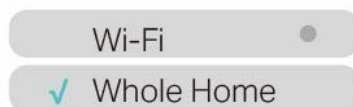


Figure 2: Location of the WPS button on the RE605X

3.2. TP-Link Tether App Setup

The Tether app provides an intuitive way to set up and manage your extender.

1. Download the TP-Link Tether app from the App Store (iOS) or Google Play (Android).
[Download TP-Link Tether App](#)
2. Plug the extender into an electrical outlet near your router.
3. Open the Tether app and follow the on-screen instructions to connect to your extender and configure it.

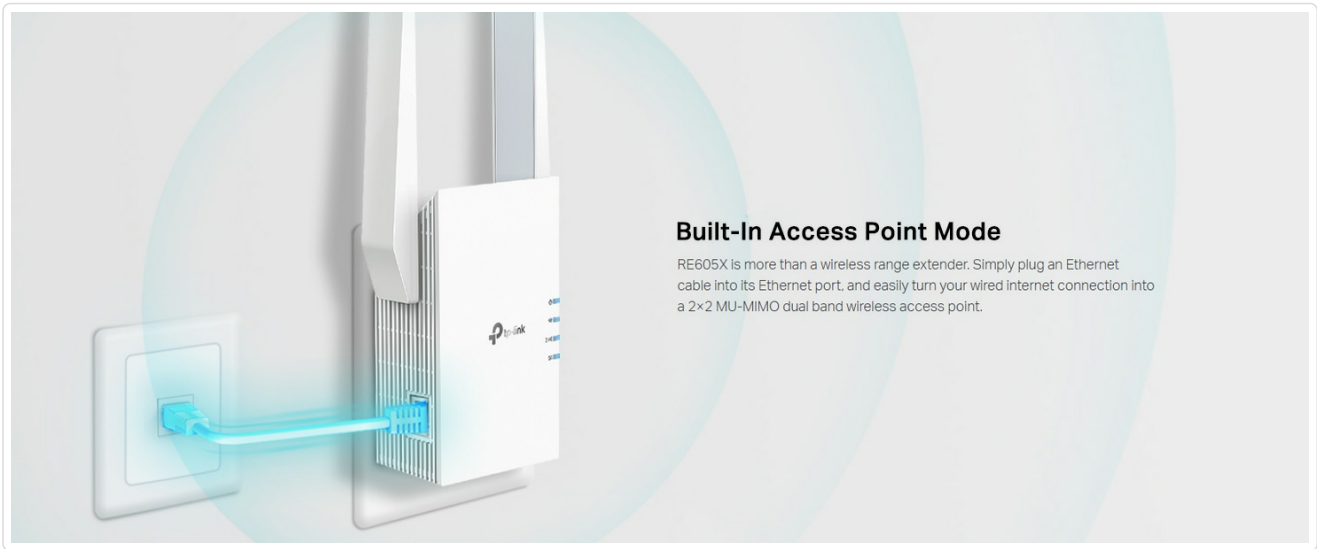


Figure 3: TP-Link Tether App for setup and management

4. OPERATING THE EXTENDER

4.1. Optimal Placement with Intelligent Signal Light

After initial setup, relocate the extender to a position between your router and the Wi-Fi dead zone. The Intelligent Signal Light helps you find the best spot:

- **Solid Blue:** Good connection.
- **Solid Red:** Poor connection. Move the extender closer to the router.
- **Off:** No connection.

AX1800 Wi-Fi 6 Speed



Higher Speed



Larger Capacity



Ultra-Low Latency

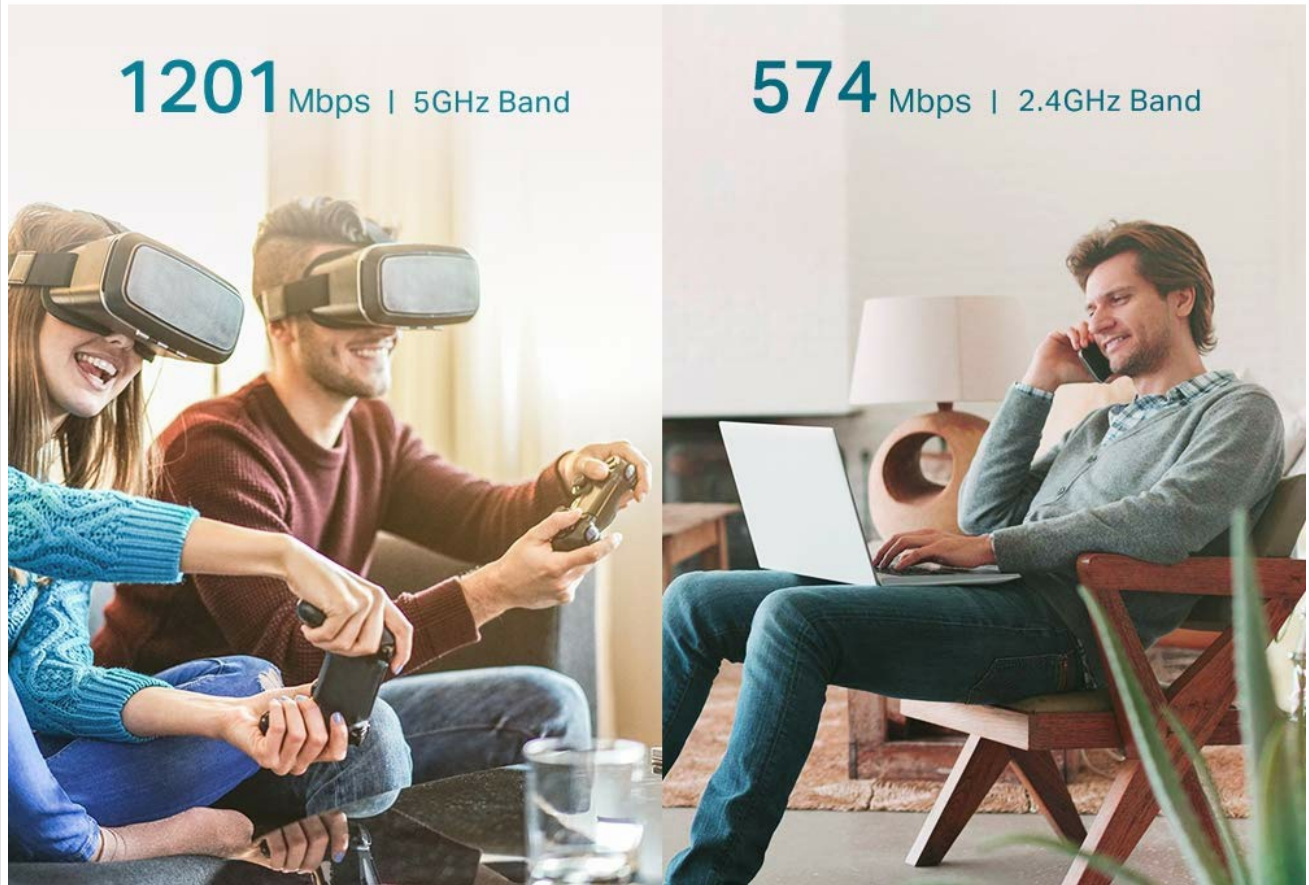


Figure 4: Intelligent Signal Light on RE605X

4.2. Dual Band Operation

The RE605X extends both 2.4GHz and 5GHz Wi-Fi bands. Devices will automatically connect to the optimal band for performance. The 5GHz band offers higher speeds for demanding tasks like streaming and gaming, while the 2.4GHz band provides broader coverage for general use.



Figure 5: AX1800 Dual Band Wi-Fi 6 Speed Distribution

5. ACCESS POINT (AP) MODE

The RE605X can function as a wireless access point. This mode allows you to convert a wired internet connection into a dual-band Wi-Fi hotspot.

1. Connect an Ethernet cable from your router or wall Ethernet port to the Gigabit Ethernet port on the RE605X.
2. Configure the extender to AP Mode using the TP-Link Tether app or a web browser.
3. The RE605X will then broadcast a new Wi-Fi network, enhancing your wired network with wireless capability.

Enjoy an AX Mesh Network with Your Existing Router

Want a Mesh network? Hesitating whether you should replace your current router with a new Mesh set?

- ① Update your existing TP-Link router's firmware to the OneMesh™ version—no need to replace anything.

- ② Connect the RE605X to the router.

- ③ Enjoy your Mesh network



Existing Router

+



RE605X

=



OneMesh™

Whole Home Mesh Wi-Fi

Figure 6: RE605X operating in Access Point Mode

6. ONEMESH COMPATIBILITY

The RE605X is compatible with TP-Link OneMesh routers, allowing you to create a unified Mesh Wi-Fi network. This provides seamless whole-home coverage with a single Wi-Fi name, eliminating dead zones and ensuring uninterrupted streaming as you move around your home.

Benefits of OneMesh:

- **Unified Network:** A single Wi-Fi name for your entire home.
- **Seamless Roaming:** Devices automatically switch to the strongest Wi-Fi signal as you move.

- **Easy Management:** Manage your entire network from the Tether app.

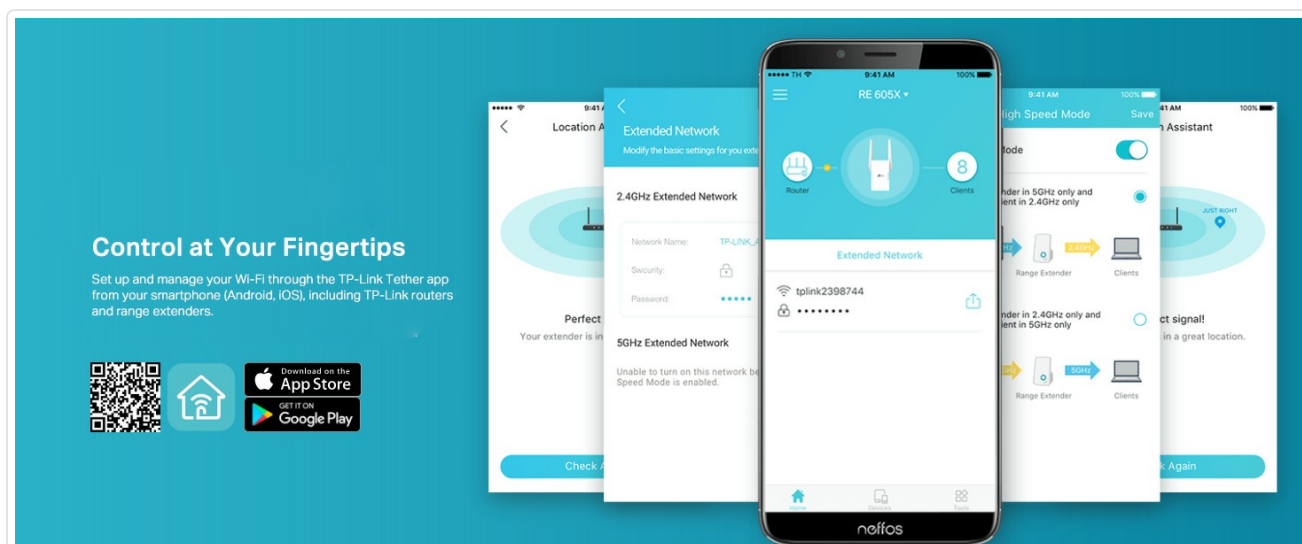


Figure 7: OneMesh network with RE605X and an existing router

7. MAINTENANCE

To ensure optimal performance and longevity of your RE605X, consider the following maintenance tips:

- **Firmware Updates:** Regularly check for and install firmware updates via the Tether app or TP-Link website to ensure the latest features and security patches.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth. Do not use liquid cleaners.
- **Ventilation:** Ensure the extender is placed in a well-ventilated area and its vents are not obstructed to prevent overheating.
- **Power Cycle:** If you experience performance issues, try power cycling the extender (unplug it for 10 seconds and then plug it back in).

8. SPECIFICATIONS

Feature	Detail
Brand	TP-Link
Model Number	RE605X
Wireless Communication Standard	802.11ax (Wi-Fi 6)
Data Transfer Rate	AX1800 (1201 Mbps at 5GHz, 574 Mbps at 2.4GHz)
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Special Features	Access Point Mode, Dual Band, LED Indicator, OneMesh Compatible
Connector Type	RJ45 (Gigabit Ethernet Port)
Item Weight	7.76 Ounces
Item Dimensions (D x W x H)	52D x 34W x 65H Millimeters
Compatible Devices	Smartphone, PC, Gaming Consoles, Smart TVs

9. TROUBLESHOOTING

9.1. Common Issues and Solutions

- **Extender not connecting to router:**
 - Ensure the extender is within range of your router.
 - Verify that your router's WPS function is enabled.
 - Try setting up using the TP-Link Tether app for more detailed guidance.
 - Restart both the router and the extender.
- **Poor signal strength or slow speeds:**
 - Relocate the extender closer to your main router, ensuring the Intelligent Signal Light is solid blue.
 - Avoid placing the extender near large metal objects, concrete walls, or other electronic devices that may cause interference.
 - Ensure your router's firmware is up to date.
- **Cannot access extender's web management page:**
 - Ensure your device is connected to the extender's Wi-Fi network.
 - Try using the default access address (e.g., tplinkrepeater.net) or the IP address assigned by your router.
 - Clear your browser's cache or try a different browser.

9.2. Frequently Asked Questions (FAQs)

- **What is a Range Extender?**

A range extender, also known as a Wi-Fi signal booster, is a device that wirelessly connects to your router and rebroadcasts its signal to extend Wi-Fi coverage to areas with weak or no signal.

- **What does OneMesh do?**

OneMesh creates a unified Wi-Fi network by combining a OneMesh router with a OneMesh extender. This eliminates Wi-Fi dead zones and provides seamless roaming with a single network name, ensuring high-speed Wi-Fi throughout your home.

- **What is Built-In Access Point Mode?**

In Access Point Mode, the RE605X can convert a wired internet connection (from an Ethernet cable) into a high-speed dual-band wireless signal, effectively creating a new Wi-Fi access point.

10. WARRANTY AND SUPPORT

10.1. Warranty Information

The TP-Link RE605X comes with a **3-year Domestic warranty**. For warranty service or RMA (Return Merchandise Authorization) confirmation, customers need to contact TP-Link support on the provided toll-free number. After confirmation, the product must be brought to a designated service center.

10.2. Customer Support

For installation-related queries, compatibility issues, warranty service, or any other general inquiries, please contact TP-Link customer support:

- **Toll-Free Number:** 1800 2094 168
- **Email:** support.in@tp-link.com

- **Manufacturer Address:** TP-Link Technologies Co., Ltd, South Building, No.5 Keyuan Road, Central Zone, Science & Technology Park, Nanshan, Shenzhen, P.R. China
- **Importer Address (India):** TP-LINK India Private Limited, Green Industrial Park, Dongri Pada, Poman, Kaman-Bhiwandi Road, Vasai East, Palghar, Maharashtra – 401208