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› TP-Link AX1800 WiFi 6 Extender (RE605X) User Manual

TP-Link RE605X

TP-Link AX1800 WiFi 6 Extender (RE605X) User Manual

Model: RE605X | Brand: TP-Link

1. INTRODUCTION

The TP-Link AX1800 WiFi 6 Extender (RE605X) is designed to expand your existing Wi-Fi network's coverage, eliminate dead zones, and provide faster, more reliable internet access throughout your home or office. This device supports the latest Wi-Fi 6 standard, offering enhanced speeds and capacity for multiple connected devices. It can operate as a range extender or an access point, providing flexible deployment options.



Image: Front view of the TP-Link AX1800 WiFi 6 Extender (RE605X) with its two adjustable antennas.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Wi-Fi Range Extender RE605X
- Quick Installation Guide

3. KEY FEATURES

- **Boosted WiFi Coverage:** Extends router's signal with two high-gain antennas to cover areas with weak WiFi and eliminate dead zones.
- **WiFi 6 Speeds:** Supports dual-band WiFi speeds up to 1.8 Gbps (1201 Mbps on 5 GHz band and 574 Mbps on 2.4 GHz band) for smoother streaming, gaming, and downloading.
- **Connect More Devices:** Capable of connecting up to 30 devices that are out of range from your main router, maintaining optimal speed.
- **Gigabit Ethernet Port:** Provides a fast, reliable wired connection for devices like PCs, Smart TVs, or gaming consoles.

- **OneMesh Compatible:** Creates a seamless mesh network with a single Wi-Fi name and password when paired with a TP-Link OneMesh router, allowing for uninterrupted roaming.
- **Universal Compatibility:** Compatible with all Wi-Fi-enabled devices, routers, and access points, including new AX phones and laptops.
- **Intelligent Signal Indicator:** Helps in finding the optimal location for the best Wi-Fi connection.

Cutting-Edge WiFi-6



Higher Speed



Larger Capacity



Ultra-Low Latency



Image: Visual representation of Wi-Fi 6 speeds, showing 1201 Mbps on 5 GHz and 574 Mbps on 2.4 GHz bands.

Stronger Coverage for More Devices

Extend coverage up to 1,500sq.ft. with two specialized antennas and connect up to 30 devices that are out of range of your router.

1,500 SQ FT

30 DEVICES

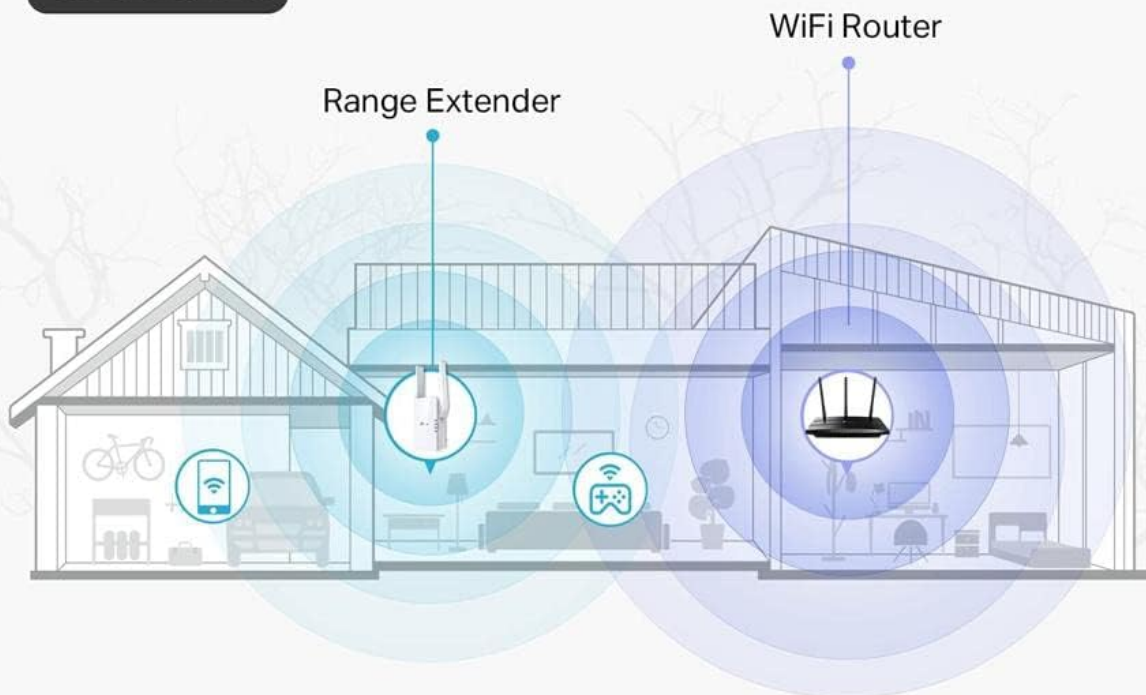


Image: Illustration demonstrating extended Wi-Fi coverage up to 1,500 sq. ft. and connectivity for up to 30 devices.

4. SETUP AND INSTALLATION

Setting up your TP-Link RE605X extender is a straightforward process, primarily managed through the TP-Link Tether app.

4.1 Initial Placement

Plug the RE605X into a power outlet in a location that is roughly halfway between your main router and the area where you need extended Wi-Fi coverage. The intelligent signal indicator on the extender will help you determine the optimal placement for the best signal strength.

WiFi Dead Zone Killer

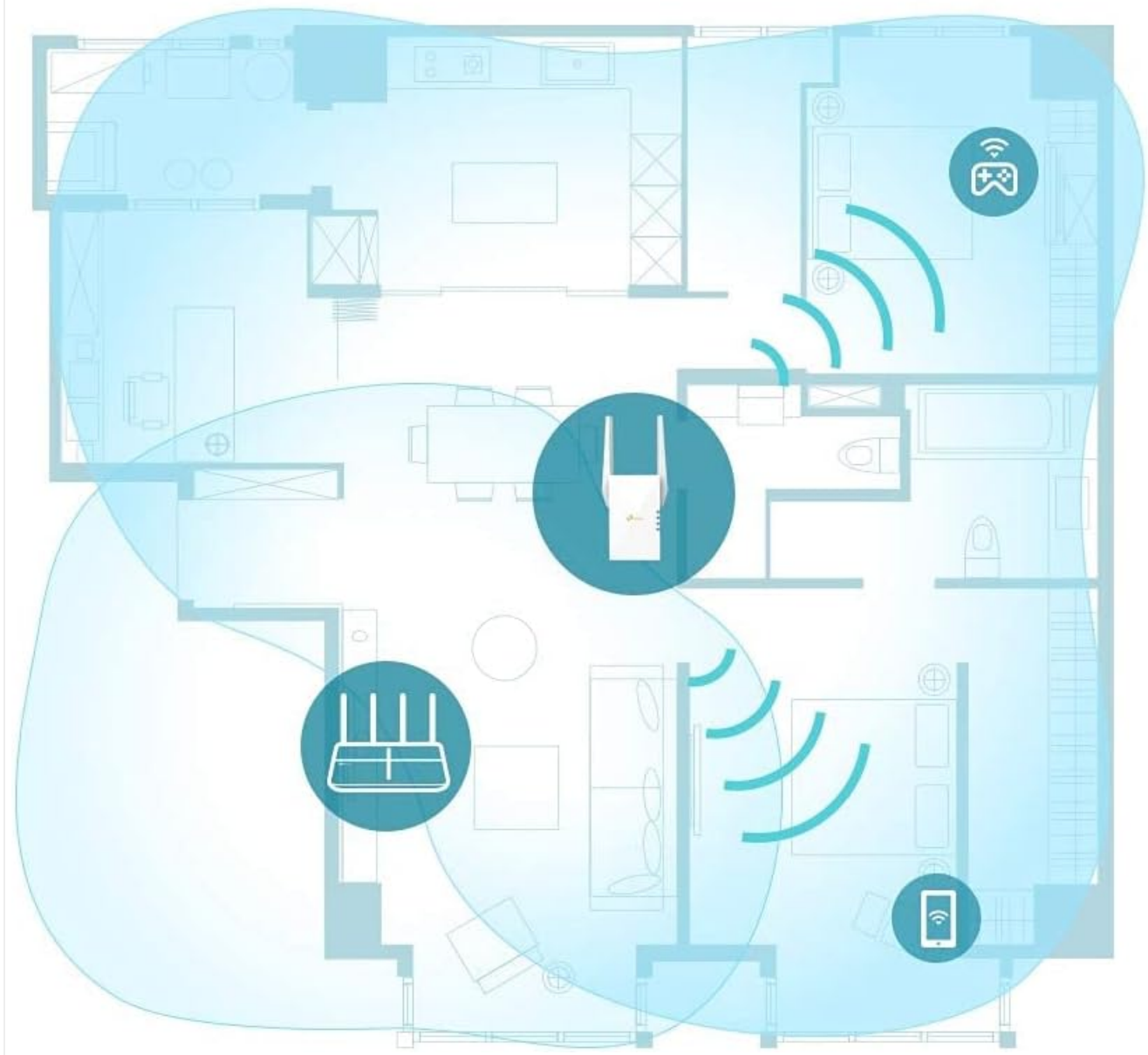


Image: A floor plan illustrating how the range extender can eliminate Wi-Fi dead zones by being placed between the router and the weak signal area.



Image: The TP-Link RE605X extender plugged into a wall outlet, demonstrating its compact design and antenna orientation.

4.2 Using the TP-Link Tether App

1. **Download the App:** Download the TP-Link Tether app from the App Store (iOS) or Google Play Store (Android) on your smartphone or tablet.
2. **Connect to Extender:** Connect your mobile device to the extender's default Wi-Fi network (usually named "TP-Link_Extender" or similar).
3. **Follow On-Screen Instructions:** Open the Tether app and follow the step-by-step instructions to add the extender to your account and configure its settings, including connecting it to your main router's Wi-Fi network.
4. **Enjoy:** Once configured, the extender will broadcast your extended Wi-Fi network.

Universally Compatible & Sets Up in Minutes

Compatible with all WiFi-enable 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: A visual guide showing the three steps for setup: Download the TP-Link Tether app, add to your account, and enjoy.

4.3 Access Point Mode

The RE605X can also function as an Access Point (AP). In AP mode, it connects to your router via an Ethernet cable and transforms your wired network into a dual-band Wi-Fi 6 network. This is ideal for extending a wired connection to a wireless one in areas without existing Wi-Fi coverage.



Image: Close-up of the RE605X showing the Gigabit Ethernet port and indicator lights for Power, Signal, 2.4G, and 5G Wi-Fi bands, along with dimensions.

5. OPERATING THE EXTENDER

Once set up, the RE605X operates automatically to extend your Wi-Fi signal. The indicator lights on the front panel provide status information:

- **Power LED:** Indicates if the device is powered on.
- **Signal LED:** Shows the strength of the signal received from your main router. A solid blue light indicates a good connection.
- **2.4G LED:** Indicates activity on the 2.4 GHz Wi-Fi band.
- **5G LED:** Indicates activity on the 5 GHz Wi-Fi band.

For optimal performance, ensure the signal indicator shows a strong connection to your main router. If the signal is weak, consider relocating the extender closer to the router.



Image: Front view of the TP-Link RE605X showing the power, 2.4G, and 5G indicator lights.

5.1 OneMesh Functionality

When paired with a TP-Link OneMesh router, the RE605X creates a unified mesh network. This means your devices will automatically connect to the strongest Wi-Fi signal as you move around your home, without needing to manually switch networks. This provides a seamless and uninterrupted online experience.

Create a Mesh Network

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



Smart
Roaming



One Wi-Fi
Name



Easy
Creation



Unified
Management

Image: Illustration depicting a TP-Link router and the RE605X extender working together to form a unified OneMesh network, highlighting Smart Roaming, One Wi-Fi Name, Easy Creation, and Unified Management.

6. MAINTENANCE

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

- **Keep Clean:** Regularly wipe the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Proper Ventilation:** Ensure the extender is placed in a well-ventilated area and that its ventilation slots are not blocked. This prevents overheating.
- **Firmware Updates:** Periodically check for firmware updates via the TP-Link Tether app or TP-Link's official website. Updates can improve performance, add features, and enhance security.
- **Power Cycle:** If you experience connectivity issues, try power cycling the extender by unplugging it from the power outlet for 10 seconds and then plugging it back in.

7. TROUBLESHOOTING

If you encounter issues with your TP-Link RE605X extender, refer to the following common troubleshooting steps:

- **No Extended Wi-Fi:**
 - Ensure the extender is powered on and the Power LED is solid.
 - Check the Signal LED. If it's red or off, the extender is too far from your main router or not connected. Relocate it closer.
 - Verify that the extender is properly configured via the Tether app and connected to your main router's Wi-Fi.
- **Slow Speeds:**
 - Remember that extenders improve coverage, not necessarily raw speed. Throughput can be affected by signal reliability.
 - Ensure optimal placement using the signal indicator.
 - Reduce interference from other electronic devices.
 - Check your main router's internet speed.
- **Cannot Connect to Extender's Wi-Fi:**
 - Confirm you are selecting the correct extended network name (SSID).
 - Ensure you are using the correct Wi-Fi password.
 - Try restarting both your main router and the extender.
- **Gigabit Ethernet Port Not Working:**
 - Ensure the Ethernet cable is securely connected to both the extender and your device.
 - Check the status of the Ethernet port's LED on the extender (if available) and your connected device.

For more detailed troubleshooting or advanced configurations, please refer to the TP-Link Tether app's help section or visit the official TP-Link support website.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.23 x 3.83 x 1.81 inches
Item Weight	9.6 ounces
Item Model Number	RE605X
Brand	TP-Link
Wireless Communication Standard	802.11n, 802.11ax, 802.11b, 802.11ac, 802.11g
Data Transfer Rate	1.8 Gigabits Per Second
Frequency Band Class	Dual-Band
Connector Type	RJ45
Date First Available	August 8, 2021

9. WARRANTY AND SUPPORT

This product is covered by TP-Link's standard warranty policy. For detailed warranty information, please refer to the official TP-Link website or the warranty card included with your product.

Legal Disclaimer:

- This range extender may not support all the mandatory features as ratified in Draft 3.0 of IEEE 802.11ax specification. Further software upgrades for feature availability may be required.
- Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage, and number of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.
- Smart Roaming is designed for devices that support the 802.11k / v standard.
- The product may not be compatible with routers or gateways with firmware that has been altered, is based on open source programs, or is non-standard or outdated.

For technical support, FAQs, and additional resources, please visit the official TP-Link support website www.tp-link.com/us/support/

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