

[Manuals.plus](#) /

› [TP-Link](#) /

› TP-Link AC1200 WiFi Extender (RE300) Instruction Manual

## TP-Link RE300

# TP-Link AC1200 WiFi Extender (RE300) Instruction Manual

MODEL: RE300

## INTRODUCTION

---

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your TP-Link AC1200 WiFi Extender (RE300). Designed to eliminate Wi-Fi dead zones, the RE300 extends dual-band Wi-Fi across your home, connecting up to 25 devices with speeds up to 1200Mbps. It supports OneMesh technology for seamless whole-home coverage when paired with a compatible TP-Link OneMesh router.



Front view of the TP-Link RE300 WiFi Extender.

## WHAT'S IN THE BOX

---

- AC1200 OneMesh Wi-Fi Range Extender RE300
- Quick Installation Guide

## SETUP GUIDE

---

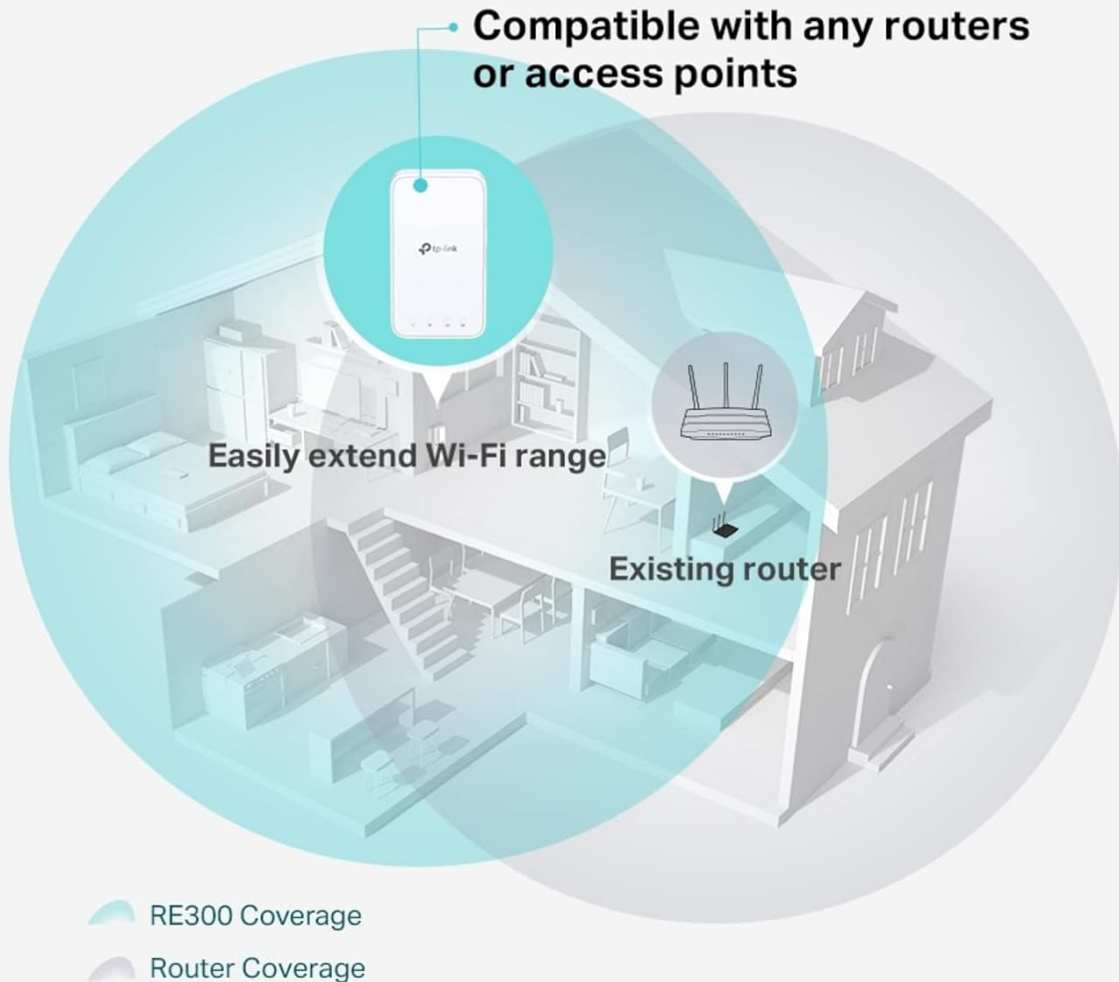
### 1. Physical Setup

---

Plug the RE300 into a power outlet near your main router. Wait for the Power LED to turn solid, indicating it's ready

for configuration.

## Boost Your Wi-Fi Network to Cover Hard-to-reach Areas



*The RE300 extender plugged into a power outlet.*

Familiarize yourself with the indicator lights on the front panel:

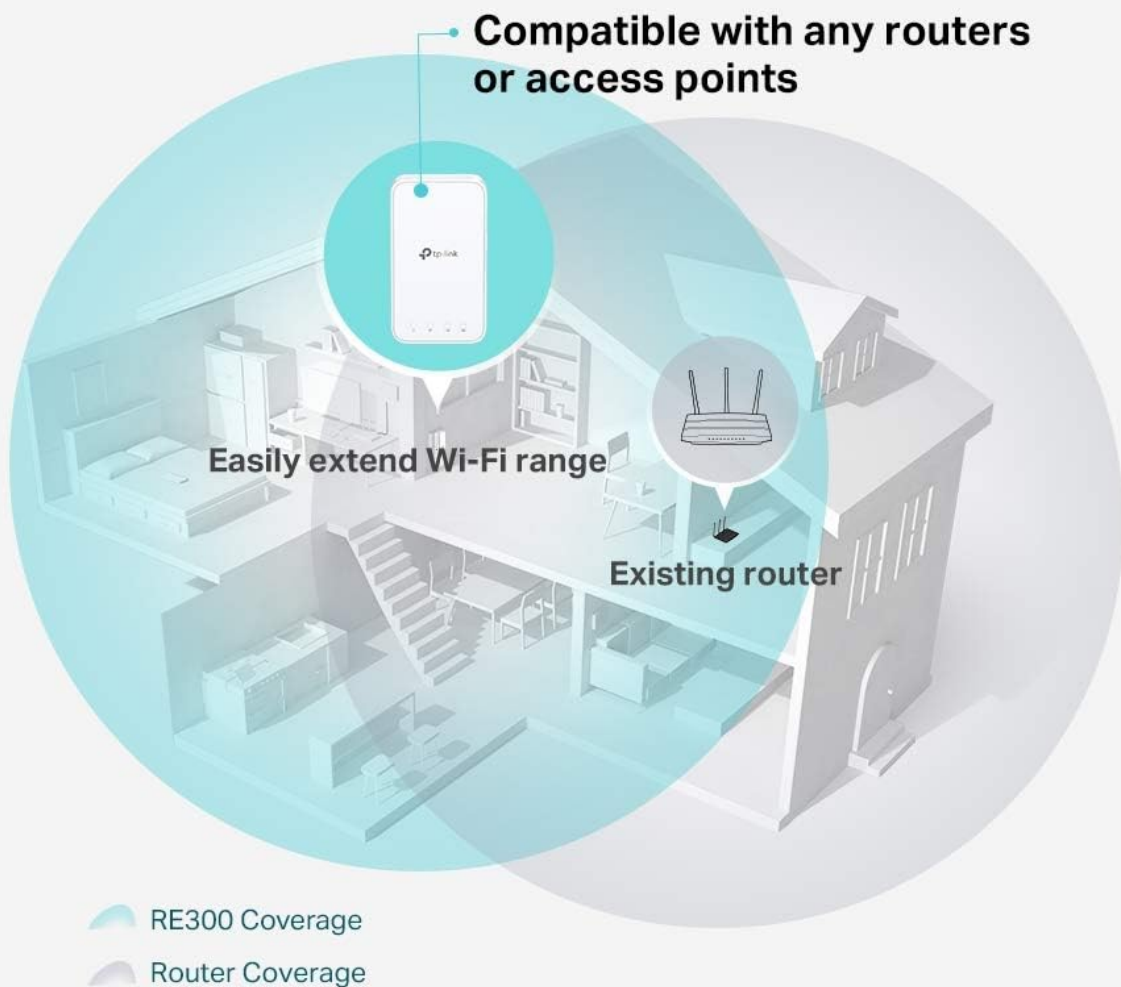
**Power Indicator:** Shows the power status.

**Signal Indicator:** Displays the signal strength from the main router.

**2.4G Indicator:** Shows the status of the 2.4 GHz Wi-Fi band.

**5G Indicator:** Shows the status of the 5 GHz Wi-Fi band.

# Boost Your Wi-Fi Network to Cover Hard-to-reach Areas

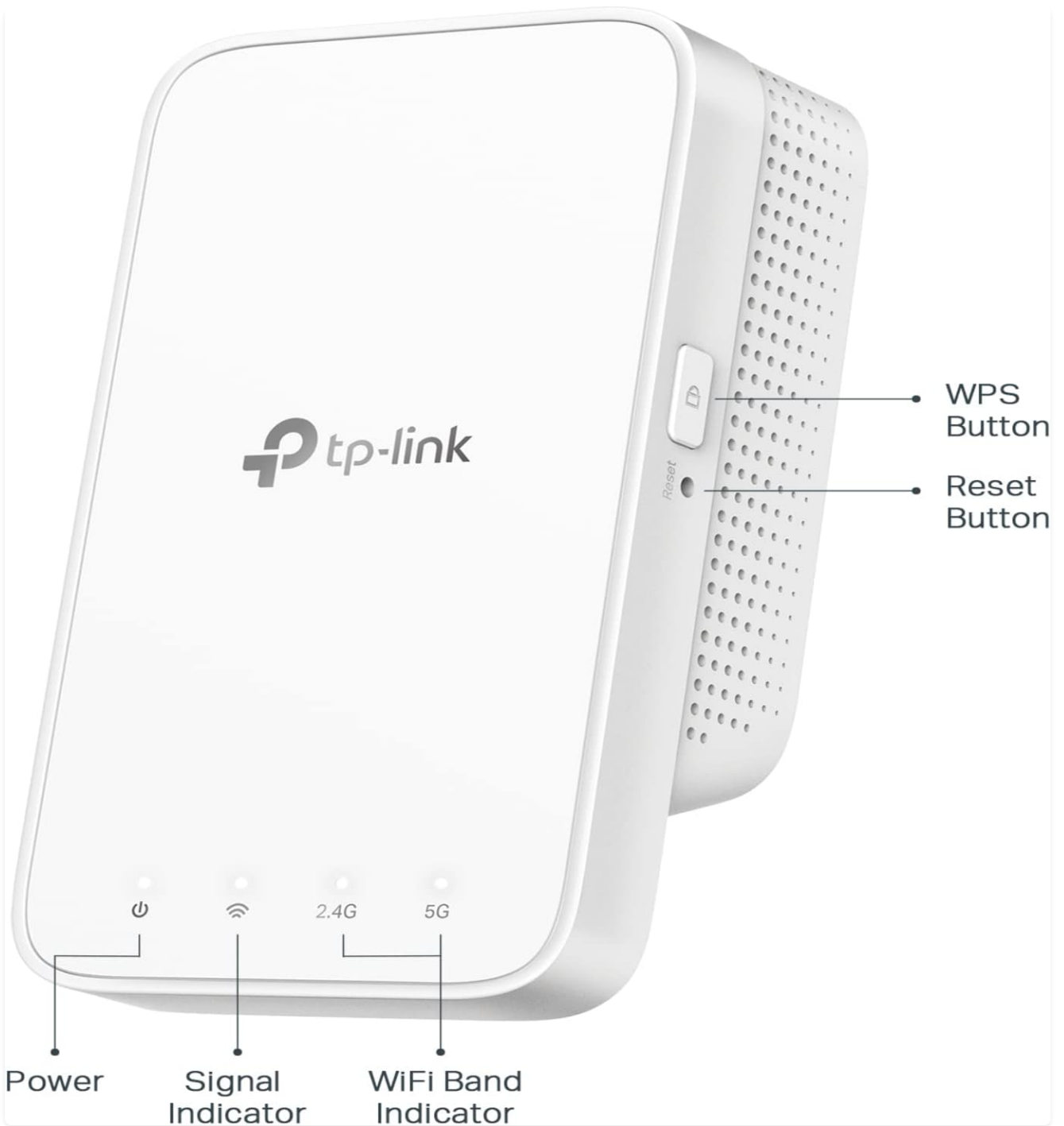


*Front panel of the RE300 showing indicator lights.*

## 2. App Setup (Tether App)

The easiest way to set up your RE300 is using the TP-Link Tether app. Follow these steps:

1. Download the TP-Link Tether app from your mobile device's app store (available on iOS and Android).
2. Connect your mobile device to the RE300's default Wi-Fi network (e.g., 'TP-Link\_Extender' or similar, usually found on a label on the device).
3. Open the Tether app and follow the on-screen instructions to configure the extender. You will be guided through selecting your main Wi-Fi network and setting up the extended network's name and password.
4. Once configured, the app will help you find the optimal location for the extender using the Smart Signal Indicator.



*The TP-Link Tether app interface for easy setup.*

The RE300 supports dual-band Wi-Fi, operating over both the 2.4 GHz band (300 Mbps) and 5 GHz band (867 Mbps) for a more stable wireless experience.



*Illustration of dual-band Wi-Fi capabilities.*

Your browser does not support the video tag.

*Official video: TP-Link AC1200 WiFi Extender overview and setup.*

## OPERATING YOUR EXTENDER

---

### OneMesh Technology

---

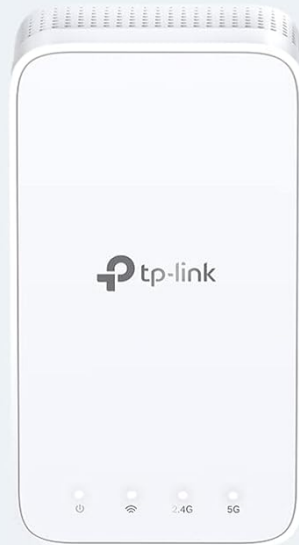
The RE300 supports TP-Link OneMesh technology, which allows it to create a mesh network by connecting to a compatible OneMesh router. This provides seamless whole-home coverage, meaning your devices will automatically switch to the strongest Wi-Fi signal as you move around your home, without interruptions or manual switching between network names.

# TP-Link OneMesh™

Enjoy a Mesh network with your existing router



+



=



**OneMesh™**

Any Existing Router  
Like Archer A7

Whole Home  
Mesh Wi-Fi

RE300

*OneMesh setup for unified whole-home Wi-Fi.*

# OneMesh Router + Range Extender



- Wi-Fi
- ✓ Whole Home



### Smart Roaming

Uninterrupted streaming when moving around your home



### One Wi-Fi Name

No more switching Wi-Fi network names



### Easy Creation

OneMesh™ Router + OneMesh™ Range Extender



### Unified Management

Manage the whole unified network all in one Tether app

*Benefits of TP-Link OneMesh system.*

Your browser does not support the video tag.

*Official video: Introduction to TP-Link OneMesh WiFi Solution.*

## Smart Signal Indicator

The Smart Signal Indicator on the RE300 helps you find the best location for optimal Wi-Fi coverage. The indicator lights change color or number of bars to show the signal strength received from your main router. A solid blue or green light typically indicates a good connection, while a red light suggests the extender is too far from the router and should be relocated closer.



*Smart Signal Indicator for optimal placement.*

## MAINTENANCE

---

To ensure optimal performance and longevity of your TP-Link RE300, consider the following maintenance tips:

- **Keep Clean:** Regularly wipe the device with a soft, dry cloth to prevent dust buildup, which can affect ventilation.
- **Proper Ventilation:** Ensure the extender is plugged into an outlet with adequate space around it for proper airflow. Avoid placing it in enclosed spaces or near heat sources.
- **Firmware Updates:** Periodically check for and install firmware updates via the Tether app or TP-Link's official website. Updates often include performance improvements and security enhancements.
- **Avoid Obstructions:** For best signal quality, avoid placing the extender behind large metal objects, thick walls, or other obstructions that can interfere with Wi-Fi signals.

## TROUBLESHOOTING

---

If you encounter issues with your RE300, try the following common troubleshooting steps:

- **No Internet Connection After Setup:**

- Verify that your main router has an active internet connection.
- Check the Signal Indicator on the RE300. If it's red, relocate the extender closer to your main router.
- Ensure the extended network's password matches your main router's Wi-Fi password.

- **Weak Signal or Frequent Disconnections:**

- Relocate the extender to an optimal position, ideally halfway between your router and the Wi-Fi dead zone, using the Smart Signal Indicator as a guide.
- Minimize physical obstructions (thick walls, metal objects, large appliances) between the extender and your devices.
- Ensure your router's firmware is up to date.

- **Cannot Access Web Management Page:**

- Ensure your device is connected to the extender's network.
- Verify that you are using the correct web address (e.g., tplinkrepeater.net or the extender's IP address).
- Clear your browser's cache and cookies, or try a different browser.

For further assistance, please refer to the [User Guide \(PDF\)](#) or contact TP-Link support. TP-Link offers a 2-year warranty and free 24/7 technical support.

## SPECIFICATIONS

---

Feature	Detail
Brand	TP-Link
Model Number	RE300
Wireless Type	802.11n, 802.11b, 802.11a, 82.11ac, 802.11g
Data Transfer Rate	1200 Megabits Per Second
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Coverage Area	Up to 1500 Square feet
Connected Devices	Up to 25 devices
Item Weight	6.4 ounces
Product Dimensions	2.7 x 4.9 x 2 inches
Color	White

Feature	Detail
Voltage	120-240 Volts



*Physical dimensions of the RE300 extender.*

## WARRANTY AND SUPPORT

The TP-Link AC1200 WiFi Extender (RE300) comes with a **2-year warranty**. For any technical assistance or support, TP-Link offers **free 24/7 technical support**

You can find additional resources and contact support through the official TP-Link website or their Amazon store:

[Visit the TP-Link Amazon Store](#)

[Download User Guide \(PDF\)](#)

[Download Installation Manual \(PDF\)](#)