



tp-link RE305 Mesh WiFi Range Extender Owner's Manual

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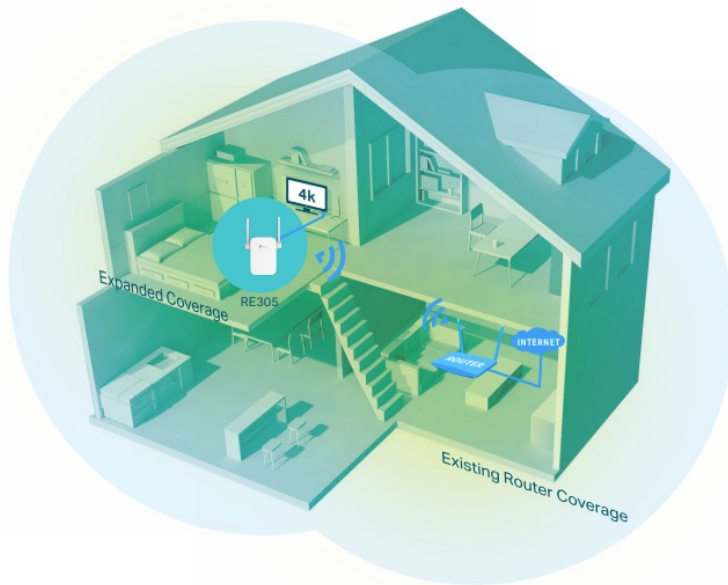
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Highlights

Eliminate Wi-Fi Dead Zones with Powerful Wi-Fi

The AC1200 Wi-Fi Range Extender connects to your router wirelessly, strengthening and expanding its signal into areas it can't reach on its own, achieving speeds of 300 Mbps on the 2.4 GHz band and 867 Mbps on the 5 GHz band.



Wi-Fi Dead-Zone Killer: Eliminate weak signal areas with full Wi-Fi coverage.



Dual Band Connection: Separate 2.4 GHz and 5 GHz Wi-Fi bands allow more devices to connect to your network without reducing performance.



High Speed Mode: Use both Wi-Fi bands to establish one super-high-speed connection, ideal for HD streaming and gaming



Adaptive Path Selection: Keep your network running at top-speed by automatically choosing the fastest connection path to the router.



Access Point Mode: Turn your wired internet connection into a Wi-Fi hotspot.



Easy Setup and Unified Management: Via the WPS button / Tether app / Web UI.

Highlights

More Than A Traditional Wi-Fi Extender

Connect with any Wi-Fi router to boost your Wi-Fi range or to a One Mesh™ router to create a mesh network for seamless whole-home coverage.



Wi-Fi Dead-Zone Killer: Eliminate weak signal areas with Wi-Fi coverage for the whole house.



One Wi-Fi Name: Stay connected to the same network name in every room.



Unified Management: Manage your mesh network from the Tether app or web UI.



Uninterrupted Streaming: Enjoy uninterrupted streaming, surfing, and more—even when



moving around your home. Check the full list of OneMesh™ extenders and routers at <https://tp-link.com/onemesh/compatibility> *More compatible devices coming soo.

AC1200 Mesh Wi-Fi Extender



Compact Wall-Plug Design: Easy to install and move.

External Antennas: Provide stronger connections and greater Wi-Fi coverage.

Secure One-touch Connection

(WPS): Instantly connect the extender to a router without further configuration.

Smart Signal Indicator: See signal strength to find the best spot to extend Wi-Fi.



Strong signal



Weak signal

Fast Ethernet Port: Connects a wired device to your.

PC



Game Console

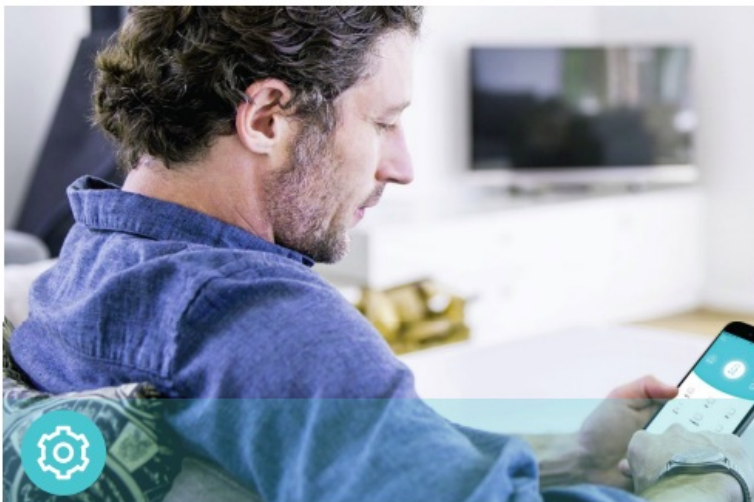


Smart TV



Features

Ease of Use



- Intuitive Web UI – Ensures quick and simple installation without hassle
- Fast Encryption – One-touch wireless security encryption with the WPS button
- Hassle-free Management with Tether App – Network management is made easy with the TP-Link Tether App,

available on any Android or iOS device

- Online Upgrade – Keeps you informed of the latest firmware and allows online updating on the web UI.

Speed



- Ultimate Wireless Speed – Combined wireless speeds of up to 300Mbps (over 2.4GHz) and 867Mbps (over 5GHz)
- Support 802.11 ac – Provides a data transfer rate 3 times faster than 802.11n for each stream
- High Speed Mode – Uses one dedicated Wi-Fi band to boost extender performance for extra-demanding online activities
- Adaptive Path Selection – Keeps your network running at top-speed by automatically choosing the fastest connection path to the router.

Reliability



- Simultaneous Dual Band – Separate Wi-Fi bands enable more devices to connect to your network without a drop in performance
- Reliable Connection – Two adjustable external antennas for optimal Wi-Fi coverage and reliable wireless connections

Specifications

Hardware Others

- Ethernet Port: 1 10/100Mbps RJ45 Port
- Button: WPS Button, RESET Button
- Antenna: 2 External Antennas
- Power Consumption: 7.2W
- Dimensions (W × D × H): 3.06 x 1.57 x 3.15 in. (77.8 x 40 x 80 mm)



Wireless

- **Wireless Standards:** IEEE 802.11a/n/ac 5GHz, IEEE 802.11b/g/n 2.4GHz
- **Frequency:** 2.4GHz and 5GHz
- **Signal Rate:** 300Mbps at 2.4GHz, 867Mbps at 5GHz
- **Transmit Power:** ≤15dBm (2.4GHz), ≤17dBm (5GHz)
- **Exception Sensitivity:** 5GHz:
 - 11a 6Mbps: -92dBm, 11a 54Mbps: -74dBm,
 - 11ac HT20 MCS8: -67dBm, 11ac HT40 MCS9: -62dBm
 - 11ac HT80 MCS9: -58dBm
- **2.4GHz: 11g 54Mbps:** -79dBm, 11n HT20: -77dBm 11n HT40: -74dBm
- **Wireless Function:** Enable/Disable Wireless Radio
- **Wireless Security:** WEP, WPA/WPA2-PSK encryptions, Enable/Disable SSID Broadcasts

Others

- Certification CE, RoHS System Requirements Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1, 10, MAC OS, NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other Java-enabled browser
- Package Contents AC1200 Wi-Fi Range Extender RE305 Quick Installation Guide



Wi-Fi Dead-Zone Killer



Uninterrupted Streaming§



Easy Setup via Tether App



Access Point Mode

For more information, please visit



<https://www.tp-link.com/products/details/RE305.html> or scan the QR code left

Attention: This device may only be used indoors in all EU member states and EFTA countries.

† Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage 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. ‡ 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. § Uninterrupted Streaming is designed for devices that support the 802.11k/v standard. ©2020 TP-Link.



Documents / Resources



[tp-link RE305 Mesh WiFi Range Extender](#) [pdf] Owner's Manual

RE305, AC1200, RE305 Mesh WiFi Range Extender, Mesh WiFi Range Extender, WiFi Range Extender, Range Extender, Extender

References

- [TP-Link OneMesh Devices](#)
- [RE305 | AC1200 Wi-Fi Range Extender | TP-Link](#)
- [User Manual](#)