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› TP-Link AC1900 Desktop Wi-Fi Range Extender w/ Touchscreen Interface (RE590T) User Manual

TP-Link RE590T

TP-Link AC1900 Desktop Wi-Fi Range Extender

MODEL: RE590T

Introduction

The TP-Link AC1900 Desktop Wi-Fi Range Extender (RE590T) is designed to expand your existing Wi-Fi network, eliminating dead zones and providing strong, reliable connections throughout your home or office. Featuring an intuitive touchscreen interface, this device offers easy setup and management of your network settings. With dual-band Wi-Fi speeds up to 1900Mbps and Gigabit Ethernet ports, it is ideal for demanding applications such as 4K streaming and online gaming.

Product Overview



Image: The TP-Link RE590T Wi-Fi Range Extender, showcasing its sleek black design, three external antennas, and central touchscreen

display.

Key Features:

- **Intuitive Touchscreen:** Set up and adjust Wi-Fi settings directly on the device.
- **Extended Coverage:** Expands Wi-Fi range up to 10,000 square feet with High-Powered 700mW amplifiers.
- **High-Speed Dual Band:** Simultaneous gaming and 4K HD streaming with speeds up to 1900Mbps.
- **Powerful Processor:** 1GHz dual-core processor for fast, reliable connections.
- **Gigabit Ethernet Ports:** Four ports for wired connections to smart TVs, game consoles, and other devices.
- **Smart Signal Indicator:** Helps find the optimal placement for the extender.
- **Universal Compatibility:** Works with any standard wireless router or access point.

Product Video:

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Video: An overview of the TP-Link AC1900 Touch Screen Wi-Fi Range Extender, highlighting its touchscreen interface, easy setup, extended coverage capabilities up to 10,000 sq ft, combined wireless speed of up to 1900Mbps, and its ability to handle 4K streaming, online gaming, and rapid file transfers simultaneously.

Setup Guide

1. Initial Setup via Touchscreen

1. **Power On:** Connect the power adapter to the RE590T and plug it into a power outlet. Wait for the device to boot up.
2. **Access Touchscreen:** The 4.3-inch capacitive true-color touchscreen will display the initial setup options.
3. **Quick Setup:** Tap "Quick Setup" on the screen. Follow the on-screen prompts to select your region and configure the extender.
4. **Connect to Host Network:** The extender will scan for available Wi-Fi networks. Select your existing 2.4GHz and 5GHz networks and enter their respective passwords.
5. **Extend Network:** You can choose to keep the same network names (SSIDs) or create new ones for the extended networks. It is often recommended to use distinct SSIDs to differentiate between your main router and the extender's network.
6. **Completion:** Once configured, the touchscreen will confirm the successful extension of your Wi-Fi network.

2. Optimal Placement

The RE590T features a Smart Signal Indicator to help you find the best location for optimal Wi-Fi extension. Place the extender between your main router and the area with weak Wi-Fi signal. The indicator on the touchscreen will show the signal strength from your router, guiding you to a spot where the signal is strong enough for effective extension but also close enough to cover the desired dead zones.

Operating Instructions

1. Connecting Devices

- **Wireless Devices:** Connect your smartphones, tablets, laptops, and other Wi-Fi enabled devices to the extended 2.4GHz or 5GHz networks. The extended network names will appear in your device's Wi-Fi list.
- **Wired Devices:** For devices requiring a stable wired connection, such as smart TVs, game consoles, or desktop computers, use an Ethernet cable to connect them to one of the four Gigabit Ethernet ports on the back of the RE590T.

2. Managing Settings

- **On-Screen Control:** The touchscreen allows direct access to various settings including Wireless Settings, Devices Control, WPS, LAN settings, DHCP, Clock, Screen Settings, Reboot & Reset, and Administrator Password.
- **TP-LINK Tether App:** For remote management, download the TP-LINK Tether App on your smartphone or tablet. This app provides a convenient way to manage your extender's settings from anywhere within your network.
- **Web Interface:** Alternatively, you can access the extender's web management interface by typing its IP address (usually found on the touchscreen or via the Tether app) into a web browser on a connected device.

Maintenance

1. Firmware Updates

Periodically check the TP-Link official website for firmware updates for your RE590T. Firmware updates can improve performance, add new features, and address security vulnerabilities. Follow the instructions provided on the TP-Link support page for the correct update procedure.

2. Cleaning

To maintain optimal performance, keep the RE590T clean. Use a soft, dry cloth to wipe the exterior. Avoid using liquid cleaners or abrasive materials, as these can damage the device, especially the touchscreen.

Troubleshooting

Common Issues and Solutions:

- **No Internet Connection After Setup:**

Ensure the extender is successfully connected to your main router's Wi-Fi. Verify the Wi-Fi password entered during setup is correct. Check your main router's internet connection. Sometimes, an incorrect IP address configuration can cause issues; ensure the extender obtains an IP address from your router or is set to a compatible static IP.
- **Weak Signal or Limited Range:**

Relocate the extender closer to your main router, using the Smart Signal Indicator on the touchscreen to find a better spot. Ensure there are minimal physical obstructions (thick walls, large metal objects) between the extender and your devices, and between the extender and the main router.
- **Dropped Connections:**

Interference from other electronic devices (cordless phones, microwaves) can cause dropped connections. Try changing the Wi-Fi channel on your main router or the extender. Ensure the extender's firmware is up to date.
- **Cannot Access Web Management Page:**

Verify your device is connected to the extender's network. Ensure you are using the correct IP address for the extender. Try clearing your browser's cache or using a different browser.

Technical Support:

For further assistance, refer to the comprehensive user manual available on the TP-Link website or contact TP-Link's technical support. The product includes industry-leading 2-year warranty and 24/7 technical support.

Specifications

Brand	TP-Link
Model Number	RE590T
Wireless Standard	IEEE 802.11a/ac, IEEE 802.11b/g/n
Data Transfer Rate	Up to 1900 Mbps (1300Mbps on 5GHz, 600Mbps on 2.4GHz)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Interface	4 x 10/100/1000Mbps Ethernet Ports (RJ45)
Touchscreen Display	4.3 Inches Capacitive True-Color
Processor	1GHz Dual-Core
Dimensions (LxWxH)	6.2 x 11.2 x 2.1 inches
Item Weight	2.97 pounds
Operating System Compatibility	Microsoft Windows 98SE, NT, 2000, XP, Vista, Windows 7, 8, 8.1, 10, Mac OS, NetWare, UNIX, or Linux

What's in the Box

- AC1900 Touch Screen Wi-Fi Range Extender (RE590T)
- 3 detachable antennas
- Power adapter
- RJ-45 Ethernet Cable
- Quick Installation Guide

Warranty and Support

The TP-Link AC1900 Desktop Wi-Fi Range Extender (RE590T) comes with an industry-leading 2-year warranty. For any technical inquiries or support, TP-Link offers 24/7 technical assistance. Please visit the official TP-Link support website for detailed warranty information, FAQs, and contact options.