

[Manuals.plus](#) /

> [TP-Link](#) /

> TP-Link TL-WR844N Multi-Mode Wi-Fi Router User Manual

TP-Link TL-WR844N

TP-Link TL-WR844N Multi-Mode Wi-Fi Router User Manual

Model: TL-WR844N

1. INTRODUCTION

The TP-Link TL-WR844N is a versatile Multi-Mode Wi-Fi Router designed to provide reliable and high-speed wireless connectivity for your home or small office network. With 300 Mbps wireless speeds on the 2.4 GHz band, it is suitable for web browsing, HD streaming, and online gaming. This router supports multiple operating modes, including Router, Access Point, Range Extender, and WISP, offering flexibility to meet various networking needs. It also features IGMP Proxy/Snooping, Bridge, and Tag VLAN support for optimized IPTV streaming and is compatible with IPv6.

2. PACKAGE CONTENTS

Upon opening the package, verify that all items are present and in good condition. The standard package for the TL-WR844N router typically includes:

- TP-Link TL-WR844N Multi-Mode Wi-Fi Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide

If any items are missing or damaged, please contact your retailer or TP-Link support for assistance.

3. HARDWARE OVERVIEW

Familiarize yourself with the physical components of your TL-WR844N router.

3.1 Front Panel

The front panel features LED indicators that provide real-time status of the router's operation.



Image: Front view of the TL-WR844N router, showing the TP-Link logo and three indicator lights for power, internet, and Wi-Fi status.

- **Power LED:** Indicates the power status of the device.
- **Internet LED:** Shows the status of the internet connection.
- **Wi-Fi LED:** Indicates the wireless network activity.

3.2 Rear Panel

The rear panel contains all the necessary ports for connecting the router to your network and power source.



Image: Rear view of the TL-WR844N router, displaying the power input, one blue WAN port, four yellow LAN ports, and a WPS/Reset button.

- **Power Port:** Connects to the provided power adapter.
- **WAN Port (Blue):** Connects to your modem or the internet source.
- **LAN Ports (Yellow):** Connects to wired devices such as computers, smart TVs, or gaming consoles.
- **WPS/Reset Button:** Press briefly for WPS function; press and hold for several seconds to reset the router to factory default settings.

3.3 Antennas

The router is equipped with two external antennas to enhance wireless signal coverage and stability.



Image: Angled view of the TL-WR844N router, showing its compact design with two adjustable external antennas.

4. SETUP GUIDE

Follow these steps to set up your TP-Link TL-WR844N router.

4.1 Hardware Connection

1. **Power Off:** Disconnect the power from your modem (if applicable) and the router.
2. **Connect WAN Port:** Connect one end of the Ethernet cable to the WAN port (blue) of the TL-WR844N router and the other end to your modem's Ethernet port.
3. **Connect Power:** Connect the power adapter to the router's power port and plug it into a power outlet.
4. **Power On:** Power on your modem first, wait for it to stabilize (usually a few minutes), then power on the TL-WR844N router.
5. **Connect Devices:** You can connect your computer to one of the yellow LAN ports using an Ethernet cable, or connect wirelessly using the default Wi-Fi name (SSID) and password printed on the label at the bottom of the router.

4.2 Quick Setup via Web Interface

1. **Access Web Browser:** Open a web browser (e.g., Chrome, Firefox, Edge) on a device connected to the router.
2. **Enter Address:** In the address bar, type `http://tplinkwifi.net` or `192.168.0.1` and press Enter.
3. **Login:** Create a new login password when prompted. If you have previously set one, use that password.
4. **Follow Instructions:** The Quick Setup wizard will guide you through the initial configuration steps, including selecting your operating mode, internet connection type, and setting up your wireless network name (SSID) and password.

4.3 Setup via TP-Link Tether App

The TP-Link Tether app provides an intuitive way to set up and manage your router from your smartphone or tablet (Android or iOS).

1. **Download App:** Download the TP-Link Tether app from the Apple App Store or Google Play Store.
2. **Connect to Router Wi-Fi:** Connect your mobile device to the router's default Wi-Fi network.
3. **Launch App:** Open the Tether app and follow the on-screen instructions to discover and set up your router.

5. OPERATING MODES

The TL-WR844N supports multiple operating modes to adapt to various network environments.

5.1 Router Mode (Default)

In Router Mode, the device acts as a central hub for your home network, sharing internet access from your modem to all connected wired and wireless devices. This is the most common mode for typical home internet setups.



Image: A graphic representation highlighting the 300 Mbps wireless speed capability of the TL-WR844N router, suitable for HD streaming and general internet use.

5.2 Access Point Mode

In Access Point (AP) Mode, the router transforms your existing wired network into a wireless network. It connects to a wired router and broadcasts a Wi-Fi signal, allowing wireless devices to connect to the internet.

5.3 Range Extender Mode

Range Extender Mode (also known as Repeater Mode) extends the coverage of your existing wireless network. The router connects wirelessly to your main router and re-broadcasts the signal, eliminating Wi-Fi dead zones.

5.4 WISP Mode

In Wireless Internet Service Provider (WISP) Mode, the router connects wirelessly to an ISP's network in areas where wired internet access is unavailable. It then shares this wireless internet connection with your local wired and wireless devices. You can switch between these modes via the router's web management interface under the "Operation Mode" settings.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and security of your router.

- **Firmware Updates:** Periodically check the TP-Link official website for firmware updates for your TL-WR844N model. Firmware updates often include performance improvements, bug fixes, and security enhancements.
- **Regular Reboots:** Rebooting your router every few weeks can help clear its memory and resolve minor performance issues. You can do this by unplugging the power adapter for 10 seconds and then plugging it back in.
- **Secure Passwords:** Always use strong, unique passwords for your Wi-Fi network (WPA2/WPA3) and the router's administration page. Avoid using default passwords.
- **Physical Placement:** Place the router in a central location, away from obstructions and devices that emit electromagnetic interference (e.g., microwaves, cordless phones) to maximize Wi-Fi coverage.

7. TROUBLESHOOTING

If you encounter issues with your router, try the following basic troubleshooting steps before contacting support.

- **No Internet Access:**
 - Check if the Internet LED on the router is lit. If not, ensure the WAN cable is securely connected to both the router and the modem.
 - Reboot your modem and router. Power off both devices, wait 30 seconds, then power on the modem first, wait for it to fully boot, then power on the router.
 - Verify your internet connection type settings in the router's web interface (e.g., Dynamic IP, PPPoE).
- **Weak Wi-Fi Signal or Dead Zones:**
 - Relocate the router to a more central position in your home.
 - Ensure antennas are positioned vertically for optimal signal dispersion.
 - Minimize physical obstructions (thick walls, metal objects) between the router and your devices.
 - Consider using Range Extender mode or adding a TP-Link range extender if your coverage area is very large.
- **Cannot Access Router's Web Management Page:**
 - Ensure your device is connected to the router's network (wired or wireless).
 - Verify that you are typing the correct address: <http://tplinkwifi.net> or 192.168.0.1.
 - Try clearing your browser's cache or using a different browser.
 - If you forgot the login password, you may need to reset the router to factory defaults using the WPS/Reset button on the rear panel.

For more detailed troubleshooting or persistent issues, refer to the TP-Link support website or contact their technical support team.

8. SPECIFICATIONS

Key technical specifications for the TP-Link TL-WR844N Multi-Mode Wi-Fi Router.

Feature	Detail
Brand	TP-Link
Model	TL-WR844N
Wireless Type	802.11a/b/g/n

Feature	Detail
Frequency Band	2.4 GHz
Wireless Speed	300 Mbps
Connectivity Technology	Wi-Fi
Ports	1 WAN, 4 LAN
Antennas	2 Fixed Omni-Directional Antennas
Dimensions (L x W x H)	10.6 x 2.4 x 11.5 cm
Item Weight	340 g
Operating System Compatibility	OpenWRT (as per specifications, though typically refers to firmware)
Voltage	220V
Special Features	Multi-Mode (Router, AP, Range Extender, WISP), IPv6 Compatible, IPTV Support

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official TP-Link website for details specific to your region and purchase date. TP-Link provides technical support for its products.

If you require further assistance or have questions not covered in this manual, please visit the TP-Link support page at www.tp-link.com/support or contact their customer service directly.