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› TP-Link N450 WiFi Router (TL-WR940N) Instruction Manual

TP-Link TL-WR940N

TP-Link N450 WiFi Router (TL-WR940N) Instruction Manual

Model: TL-WR940N

INTRODUCTION

The TP-Link N450 Wireless Wi-Fi Router (TL-WR940N) is designed to provide a reliable and high-speed wireless network for your home or small office. With wireless N speed up to 450Mbps, it is ideal for bandwidth-intensive tasks such as HD video streaming, online gaming, and VoIP calls. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your router.



Figure 1: Front view of the TP-Link N450 WiFi Router. This image displays the sleek black design of the TP-Link N450 WiFi Router, featuring three prominent external antennas for enhanced wireless coverage.

SETUP GUIDE

Follow these steps to set up your TP-Link N450 WiFi Router:

1. **Unpack the Router:** Carefully remove the router, power adapter, and Ethernet cable from the packaging.
2. **Connect the Antennas:** Ensure the three external antennas are securely attached and oriented vertically for optimal signal.
3. **Connect to the Internet:** Connect your modem's Ethernet cable to the blue "Internet" (WAN) port on the back of the router.
4. **Connect Devices (Optional):** For wired connections, connect your computer, smart TV, or gaming console to any of the yellow "LAN" ports using Ethernet cables.
5. **Power On:** Connect the power adapter to the router's power port and plug it into a power outlet. Press the Power On/Off button if necessary. Wait for the system LED to stabilize.

6. Initial Configuration:

- Connect your computer to the router wirelessly (using the default SSID and password found on the router's label) or via an Ethernet cable to a LAN port.
- Open a web browser and enter `tplinkwifi.net` or `192.168.0.1` in the address bar.
- Follow the on-screen Quick Setup Wizard to configure your internet connection and wireless settings.

7. **WPS (Wi-Fi Protected Setup):** For quick and secure wireless connection to WPS-compatible devices, press the WPS button on the router and then on your device.



Figure 2: Rear ports of the TP-Link N450 WiFi Router. This detailed view shows the power input, power on/off button, reset button, Wi-Fi/WPS button, the blue Internet (WAN) port, and four yellow LAN ports for wired connections.

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Video 1: Official TP-Link N450 Wi-Fi Router overview. This official product video demonstrates the key features and benefits of the TP-Link N450 WiFi Router, highlighting its speed, range, and ease of use for home internet needs.

OPERATING THE ROUTER

The TL-WR940N offers robust performance for various networking needs:

- **Wireless N Speed:** Achieves speeds up to 450Mbps, making it suitable for demanding applications like HD video streaming and online gaming.
- **Frequency Band:** Operates on the 2.4 GHz frequency band, known for its wider coverage and better penetration through walls compared to 5 GHz bands.
- **Enhanced Coverage:** Equipped with three external antennas to provide increased coverage and stability throughout your home.
- **IP-based Bandwidth Control:** Allows you to manage and allocate bandwidth to specific devices, ensuring fair usage and preventing bandwidth hogging.
- **Parental Controls:** Features built-in parental controls to manage internet access for children's or employees' computers, allowing for time limits and content filtering.
- **Multi-Mode Functionality:** Can be configured to operate in various modes, including Router Mode, Access Point Mode, and Range Extender Mode, offering flexibility for different network setups.

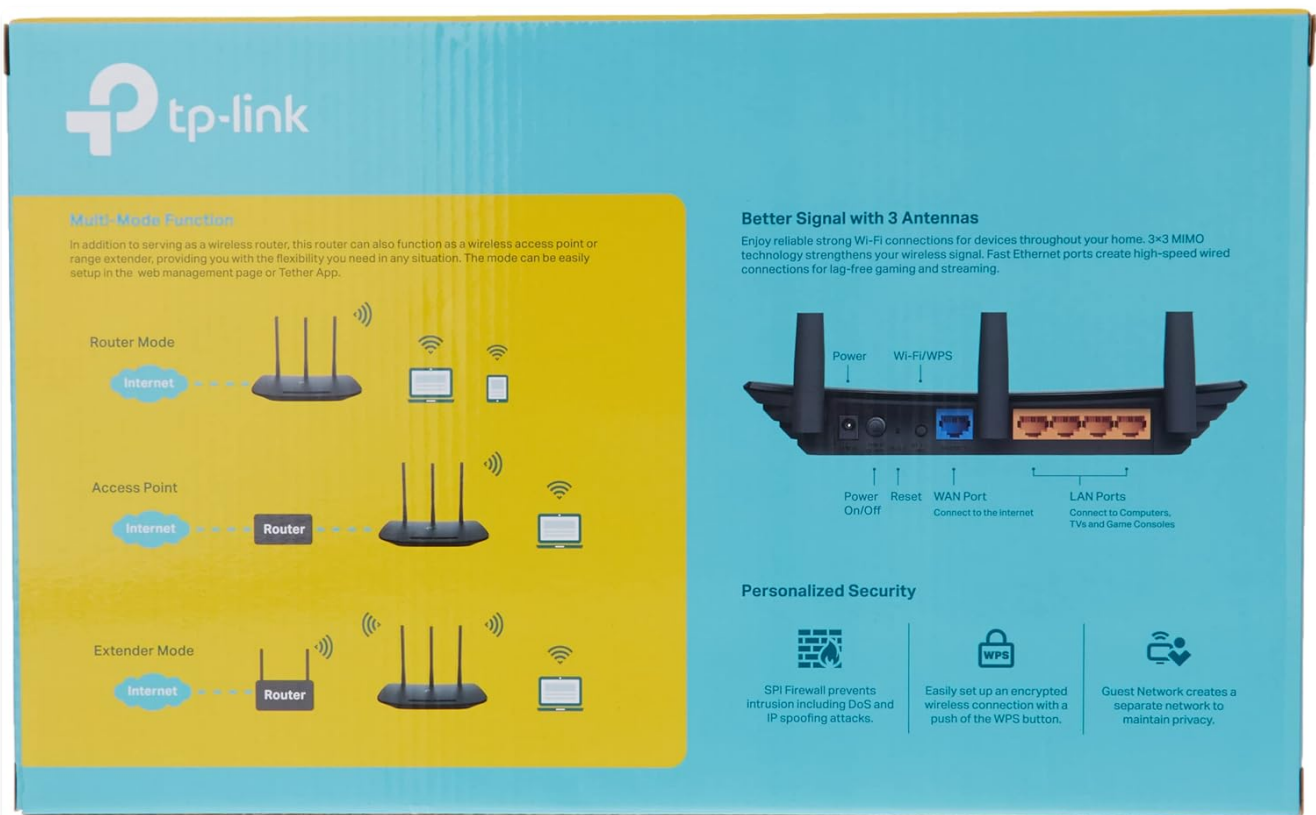


Figure 3: Multi-Mode Function and Personalized Security. This image highlights the router's versatility, showing diagrams for Router Mode, Access Point Mode, and Extender Mode. It also details security features like SPI Firewall, WPS, and Guest Network creation.

MAINTENANCE

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

- **Regular Reboots:** Periodically rebooting your router (unplugging and replugging the power) can help clear its memory and resolve minor performance issues.
- **Firmware Updates:** Check the TP-Link website for the latest firmware updates. Keeping your firmware up-to-date ensures you have the latest features, security patches, and performance improvements.
- **Physical Cleaning:** Keep the router in a clean, dust-free environment. Dust can accumulate in ventilation holes and lead to overheating.

- **Optimal Placement:** Place the router in a central location, away from obstructions and other electronic devices that might cause interference, to maximize wireless coverage.

TROUBLESHOOTING

If you encounter issues with your TP-Link N450 WiFi Router, try the following solutions:

- **No Internet Access:**
 - Check all cable connections (WAN, LAN, power) to ensure they are secure.
 - Reboot your modem and router.
 - Verify your internet settings in the router's web interface.
- **Weak or Unstable Wi-Fi Signal:**
 - Adjust the position of the antennas.
 - Relocate the router to a more central position, away from large metal objects or walls.
 - Check for interference from other electronic devices (e.g., cordless phones, microwaves).
- **Forgotten Password:**
 - The default Wi-Fi password and router login credentials are on the label at the bottom of the router.
 - If you changed them and forgot, use the **Reset Button** on the back of the router (Figure 2). Press and hold it for about 10 seconds until all LEDs flash. This will restore the router to factory default settings.
- **Device Not Connecting:**
 - Ensure the device's Wi-Fi is enabled and it is selecting the correct network (SSID).
 - Verify the Wi-Fi password.
 - Try connecting via WPS if your device supports it.

SPECIFICATIONS

Brand	TP-Link
Model Name	TL-WR940N
Wireless Type	802.11n
Frequency Band Class	Single-Band (2.4 GHz)
Wireless Speed	Up to 450 Mbps
Ports	1 WAN, 4 LAN (10/100 Mbps)
Antennas	3 Fixed Omni Directional Antennas
Dimensions (LxWxH)	5.7 x 9.1 x 1.4 inches
Item Weight	10.6 ounces
Operating System Support	Microsoft Windows 98SE, NT, 2000, XP, Vista, Windows 7/8/8.1/10, MAC OS, NetWare, UNIX or Linux

Power Source	Battery-Powered (Note: This is likely an error in the source data, typically routers are AC powered)
Included Components	TP-Link TL-WR940N V3 Wireless N450 Home Router, Installation Instructions

WARRANTY AND SUPPORT

TP-Link provides industry-leading support for the TL-WR940N router:

- **Warranty:** The product comes with a 2-year warranty.
- **Technical Support:** Enjoy unlimited 24/7 technical support for any queries or issues you may encounter.
- **Additional Resources:** For more detailed information, you can refer to the official User Guide and User Manual available in PDF format.
- **Legal Disclaimer:** Maximum wireless signal rates are physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary due to environmental factors, network conditions, and client limitations. Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, network cable, Internet service provider factors, and other environmental conditions.