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## TP-Link TL-WR841N

# TP-Link N300 Wireless Extender, Wi-Fi Router (TL-WR841N) User Manual

Model: TL-WR841N | Brand: TP-Link

## 1. INTRODUCTION

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The TP-Link N300 Wireless N Router (TL-WR841N) is a combined wired/wireless network connection device designed for small business and home office networking. It offers exceptional wireless performance, making it suitable for streaming HD video, making VoIP calls, and online gaming. The device also features a WPS button for easy WPA2 encryption setup, enhancing network security.



Figure 1: Front view of the TP-Link N300 Wireless Router (TL-WR841N).

## 2. KEY FEATURES

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- Wireless N speed up to 300 Mbps, ideal for video streaming, online gaming, VoIP, web browsing, and multitasking.
- Two 5dBi antennas significantly enhance wireless robustness and stability.
- Easy Setup Assistant for quick and hassle-free installation.
- Parental Control function to manage internet access for children or employees.
- IP-based bandwidth control allows administrators to allocate bandwidth to each PC and internet device.
- Fast Ethernet ports (10/100 Mbps) for direct wired device connections.
- Backward compatible with 802.11b/g products.
- Supports Access Point and WISP modes.

## 3. SETUP AND INSTALLATION

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Follow these steps to set up your TP-Link TL-WR841N router:

1. **Unpack the Router:** Ensure all components are present: the router unit, power adapter, Ethernet cable, and quick

installation guide.

## 2. Connect Hardware:

- Connect the power adapter to the router's power port and plug it into a power outlet.
- Connect your modem's Ethernet cable to the router's blue WAN port.
- Connect your computer to one of the router's yellow LAN ports using an Ethernet cable.



Figure 2: Rear panel of the TL-WR841N with power, WAN, and LAN ports.

## 3. Access the Web Management Page:

- Open a web browser (e.g., Chrome, Firefox).
- Type [tplinkwifi.net](http://tplinkwifi.net) or [192.168.0.1](http://192.168.0.1) (default IP) into the address bar and press Enter.
- Log in using the default username and password (both usually [admin](#)).

## 4. Run Quick Setup: Follow the on-screen instructions of the Quick Setup Wizard to configure your internet connection and wireless settings.

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Video 1: Quick installation guide for TP-Link routers, demonstrating the initial setup process.

## 4. OPERATING INSTRUCTIONS

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Once installed, you can manage your router's settings through the web management page. Key operational aspects include:

- **Wireless Settings:** Change your Wi-Fi network name (SSID) and password. Navigate to [Wireless > Wireless Settings](#).
- **Guest Network:** Create a separate Wi-Fi network for guests to ensure your main network remains secure.
- **Parental Controls:** Restrict internet access for specific devices or during certain times. Found under [Parental Control](#).
- **Bandwidth Control (QoS):** Prioritize network traffic for specific applications or devices to ensure smooth performance for critical tasks. Access via [Bandwidth Control](#).
- **Operation Modes:** The TL-WR841N supports multiple operation modes including Router, Access Point, and WISP Client Router Mode. Configure these under [Operation Mode](#).

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Video 2: Overview of the TP-Link N300 Wireless Wi-Fi Router (TL-WR841N), highlighting its features and capabilities.

## 5. MAINTENANCE

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To ensure optimal performance and longevity of your router:

- **Firmware Updates:** Regularly check the TP-Link website for the latest firmware updates to improve performance, add features, and enhance security.
- **Regular Reboots:** Periodically reboot your router (unplug and replug after 10 seconds) to clear its memory and refresh network connections.
- **Optimal Placement:** Place the router in a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones) to maximize Wi-Fi coverage.
- **Cleanliness:** Keep the router clean and free from dust to prevent overheating.

## 6. TROUBLESHOOTING

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If you encounter issues with your TL-WR841N router, consider the following common solutions:

- **No Internet Access:**
  - Check all cable connections (power, WAN, LAN) to ensure they are secure.
  - Verify that your modem is working correctly.
  - Reboot both your modem and router.
  - Check the WAN connection status in the router's web management page.
- **Slow Wi-Fi Speed:**
  - Ensure the router is placed optimally, away from interference.
  - Adjust Wi-Fi channel settings to avoid crowded channels.
  - Limit the number of connected devices or enable Bandwidth Control.
- **Frequent Disconnections:**

- Update wireless adapter drivers on your devices.
  - Ensure the router's firmware is up to date.
  - Check for physical obstructions or sources of interference.
- **Resetting the Router:** If all else fails, you can perform a factory reset by pressing and holding the WPS/Reset button on the back of the router for about 10 seconds until all lights flash. This will revert all settings to default.

## 7. SPECIFICATIONS

Feature	Detail
Brand	TP-Link
Model Name	TL-WR841N
Wireless Type	802.11bgn
Frequency Band Class	Single-Band (2.4 GHz)
Wireless Speed	Up to 300 Mbps
Ethernet Ports	4 x 10/100 Mbps LAN, 1 x 10/100 Mbps WAN
Antennas	Two 5dBi High Power Antennas
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
Dimensions (LxWxH)	4.6 x 6.9 x 1.3 inches
Operating System Compatibility	Microsoft Windows, MAC OS, NetWare, UNIX, Linux

## 8. WARRANTY AND SUPPORT

TP-Link offers comprehensive support for its products:

- **Technical Support:** TP-Link provides Live 24/7 Technical Support. Refer to the official TP-Link website for contact information.
- **Documentation:** Additional resources are available for download:
  - [Installation Manual \(PDF\)](#)
  - [User Guide \(PDF\)](#)
  - [User Manual \(PDF\)](#)