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Model: TL-WR802N | Brand: TP-Link

1. INTRODUCTION

The TP-Link TL-WR802N is a compact, pocket-sized wireless N router designed for effortless travel and versatile networking. It provides 300 Mbps Wi-Fi speeds on the 2.4 GHz band, ensuring smooth video streaming and online gaming experiences.

2. KEY FEATURES

- **Compact Design:** Small and lightweight, ideal for travel.
- **High-Speed Wi-Fi:** Up to 300 Mbps on 2.4 GHz for reliable connections.
- **Multi-Mode Functionality:** Supports Router, Hotspot, Range Extender, Client, and Access Point modes.
- **USB Powered:** Flexible power options via micro USB port.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- 300Mbps Wireless N Nano Router (TL-WR802N)
- RJ45 Ethernet Cable
- Power Adapter
- Quick Installation Guide
- USB Cable

4. SETUP GUIDE

Follow these steps to set up your TP-Link TL-WR802N Nano Router:

1. **Power On:** Connect the provided power adapter to the router's micro USB port and plug it into a power outlet. Alternatively, you can power it via a USB port on a computer or power bank using the USB cable.
2. **Connect to Network:**
 - For **Router Mode** or **Access Point Mode:** Connect an Ethernet cable from your modem or existing network to the router's LAN/WAN port.
 - For **Hotspot Mode, Range Extender Mode,** or **Client Mode:** The router will connect wirelessly to an existing Wi-Fi network.
3. **Connect Your Device:** Connect your computer or mobile device to the router's Wi-Fi network. The default SSID (Wi-Fi name) and password are usually printed on a label on the bottom of the router.
4. **Access Management Page:** Open a web browser and enter the default management address (e.g., <http://tplinkwifi.net> or <http://192.168.0.1>). Log in with the default username and password (usually "admin" for both).
5. **Configure Settings:** Follow the Quick Setup Wizard to configure your desired operating mode and Wi-Fi settings.



Figure 1: Front view of the TP-Link TL-WR802N Nano Router, showing its compact size and indicator light.



Figure 2: Rear view of the TP-Link TL-WR802N Nano Router, highlighting the micro USB power port and the LAN/WAN Ethernet port.

5. OPERATING MODES

The TL-WR802N supports multiple operating modes to suit various networking needs:

- **Router Mode:** Creates a private wireless network from an Ethernet connection. Ideal for sharing internet access with multiple devices.



Figure 3: The router providing Wi-Fi coverage in a room, demonstrating its use in Router Mode or Access Point Mode.

- **Hotspot Mode:** Turns an existing Wi-Fi signal into a private wireless network. Useful in public places with limited Wi-Fi access.
- **Range Extender Mode:** Expands the Wi-Fi coverage of an existing router, eliminating dead zones.



Figure 4: The router extending Wi-Fi signal from a main router, illustrating Range Extender Mode.

- **Client Mode:** Connects Ethernet-only devices (like smart TVs, game consoles) to a Wi-Fi network.



Figure 5: The router connected to a device via Ethernet, enabling it to access a wireless network, demonstrating Client Mode.

- **Access Point Mode:** Connects Wi-Fi devices to any wired network, creating a wireless access point.



Figure 6: The compact router connected to a laptop, showcasing its portability and ease of use in various settings.



Figure 7: The router being held in a hand, emphasizing its nano size and portability.

6. SPECIFICATIONS

| Feature | Detail |
|-------------------------|------------------------------------|
| Model Number | TL-WR802N |
| Wireless Standard | IEEE 802.11n/g/b |
| Wireless Speed | 300 Mbps (2.4 GHz) |
| Frequency Band | Single-Band (2.4 GHz) |
| Connectivity Technology | 10/100Base-T(X) Ethernet |
| Ports | 1x LAN/WAN Port, 1x Micro USB Port |
| Dimensions (L x W x H) | 4.33 x 4.33 x 2.91 inches |
| Item Weight | 7 ounces (0.2 Kilograms) |
| Special Feature | WPS (Wi-Fi Protected Setup) |
| Color | White/Blue |

7. TROUBLESHOOTING

- **No Internet Access:**
 - Check all cable connections (Ethernet, power).
 - Verify your modem or main router is working correctly.

- Restart the TL-WR802N and your modem/main router.
- Ensure the correct operating mode is selected and configured.
- **Cannot Access Management Page:**
 - Ensure your device is connected to the router's Wi-Fi network or via Ethernet.
 - Verify the correct management address (<http://tplinkwifi.net> or <http://192.168.0.1>) is entered.
 - Clear your browser's cache or try a different browser.
- **Weak Wi-Fi Signal or Drops:**
 - Relocate the router to a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones).
 - Adjust antenna orientation if applicable (not applicable for this model).
 - Consider using Range Extender Mode if coverage is insufficient.
- **Forgot Wi-Fi Password or Login Password:**
 - Locate the default Wi-Fi password on the router's label.
 - Perform a factory reset by pressing and holding the Reset button (usually a small pinhole) for about 5-10 seconds while the router is powered on. This will revert all settings to factory defaults.

8. MAINTENANCE

- **Regular Firmware Updates:** Check the TP-Link official website for the latest firmware updates to ensure optimal performance and security.
- **Cleanliness:** Keep the router clean and free from dust. Use a soft, dry cloth for cleaning.
- **Ventilation:** Ensure proper ventilation around the device to prevent overheating. Do not cover the ventilation holes.
- **Safe Environment:** Avoid placing the router in extremely hot, cold, or humid environments.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official TP-Link website or contact their customer service. The Quick Installation Guide included in your package also contains specific regional support contact details.

You can also download the TP-Link Tether app for easier management:

**Download on the App
Store**

**Get it on Google
Play**