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Model: TL-WR841ND | **Brand:** TP-Link

1. PRODUCT OVERVIEW

The TP-Link TL-WR841ND is a Wireless N300 Home Router designed for small business and home office networking. It combines wired and wireless network capabilities, offering a reliable connection for various internet activities.

Key features include:

- Wireless N speeds up to 300Mbps, suitable for video streaming and online gaming.
- Equipped with 2T2R MIMO Technology for enhanced wireless performance.
- Two detachable external antennas for flexible alignment and potential upgrades.
- Quick Setup Security (QSS) button for easy WPA2 encrypted connection setup.
- IP QoS function for intelligent bandwidth control, preventing abuse and ensuring optimal utilization.
- Supports WPA/WPA2 encryptions for advanced network security.
- Features a Wi-Fi on/off button for convenient wireless radio control.
- Parental controls to manage and restrict internet access.



Image 1: The TP-Link TL-WR841ND Wireless N300 Home Router, featuring a white casing and two black detachable antennas.

2. SETUP GUIDE

2.1. Package Contents

Before you begin, ensure all items are present in the package:

- TP-Link TL-WR841ND Wireless N300 Home Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide
- Resource CD (for quick setup)

2.2. Hardware Connection

1. **Power Off:** Disconnect the power from your modem and router (if applicable).
2. **Connect Antennas:** Screw the two detachable antennas firmly onto the connectors at the back of the router.
3. **Connect to Modem:** Connect one end of the provided Ethernet cable to the WAN port (usually blue) on the TL-WR841ND router. Connect the other end to the Ethernet port on your modem.
4. **Connect to Computer (Optional):** For initial setup, it is recommended to connect your computer directly to one of the LAN ports (yellow) on the router using another Ethernet cable. Alternatively, you can connect wirelessly after the router is powered on.
5. **Power On:** Connect the power adapter to the router's power port and plug it into a wall outlet. Power on your modem first, then wait for it to fully boot up (usually indicated by stable lights). Finally, power on the TL-WR841ND router.

2.3. Router Configuration

1. **Access Router Management Page:** Open a web browser (e.g., Chrome, Firefox) on your connected computer. In the address bar, type <http://tplinkwifi.net> or <http://192.168.0.1> and press Enter.
2. **Login:** A login window will appear. The default username and password are both *admin* (all lowercase).
3. **Run Quick Setup:** Upon successful login, the Quick Setup Assistant should launch automatically. Follow the on-screen instructions to configure your internet connection type (e.g., Dynamic IP, Static IP, PPPoE) and wireless network settings (SSID and password). If the router does not automatically obtain an IP from the modem, ensure you click the appropriate button within the setup wizard to initiate this process.
4. **Secure Your Network:**
 - **Wireless Security:** Set a strong WPA2-PSK password for your Wi-Fi network.
 - **Admin Password:** Change the default administrator password for the router management page to prevent unauthorized access. Navigate to *System Tools > Password* to do this.
5. **Using WPS:** For quick and secure connection of WPS-compatible devices, press the "QSS" (WPS) button on the router and then activate WPS on your device within two minutes. This automatically establishes a WPA2 secure connection.

3. OPERATING INSTRUCTIONS

3.1. Wireless Connectivity

To connect devices wirelessly, search for your Wi-Fi network name (SSID) on your device and enter the password you configured during setup. The router supports 802.11n standard, providing speeds up to 300Mbps.

The Wi-Fi on/off button located on the router allows you to quickly enable or disable the wireless radio without accessing the management page.

3.2. IP QoS (Quality of Service)

IP QoS allows you to manage bandwidth allocation for different devices or applications on your network. This helps prevent a single user or application from consuming excessive bandwidth, ensuring a smoother experience for all connected devices, especially for activities like online gaming or HD video streaming.

To configure IP QoS, log in to the router's management page and navigate to the *IP QoS* section. You can set bandwidth limits for specific IP addresses or ranges.

3.3. Parental Controls

The Parental Control feature allows you to restrict internet access for specific devices or at certain times. This is useful for managing children's online activities.

Access Parental Controls through the router's management page to set up time-based access restrictions or block specific websites.

4. MAINTENANCE

- **Firmware Updates:** Periodically check the TP-Link official website for firmware updates for your TL-WR841ND router. Firmware updates can improve performance, add new features, and enhance security. Follow the instructions provided on the TP-Link website carefully when performing updates.
- **Regular Reboot:** Rebooting your router every few weeks can help clear its memory and resolve minor performance issues. Simply unplug the power adapter, wait for 10-15 seconds, and then plug it back in.
- **Proper Placement:** Place the router in a central location, away from obstructions (like thick walls or large metal objects) and interference sources (like microwaves or cordless phones) to ensure optimal wireless signal coverage.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation holes are not blocked.

5. TROUBLESHOOTING

5.1. No Internet Access

- **Check Cable Connections:** Ensure all Ethernet cables are securely connected to the correct ports (WAN to modem, LAN to computer).
- **Reboot Devices:** Power off your modem, then the router. Wait for about 30 seconds. Power on the modem first, wait for it to fully boot, then power on the router.
- **Check Modem Status:** Verify that your modem's indicator lights show a stable internet connection.
- **Router IP Acquisition:** If the router is not obtaining an IP address from your modem automatically during setup, access the router's management page and look for an option to "Detect" or "Renew" the WAN IP address.

5.2. Weak or Unstable Wireless Signal

- **Router Placement:** Move the router to a more central location in your home, away from large metal objects, concrete walls, and other electronic devices that might cause interference.
- **Antenna Adjustment:** Adjust the orientation of the detachable antennas for better signal reception.
- **Channel Interference:** Log in to the router's management page and try changing the wireless channel. In crowded areas, other Wi-Fi networks can cause interference. Channels 1, 6, and 11 are often recommended as non-overlapping channels.

5.3. Forgotten Router Login Password or Wi-Fi Password

- **Router Login:** If you forgot the router's administrator password, you will need to perform a factory reset. Locate the reset button (often a small pinhole) on the router, press and hold it for about 10 seconds while the router is powered on. This will revert all settings to factory defaults, including the login credentials (admin/admin).
- **Wi-Fi Password:** If you forgot your Wi-Fi password, you can log in to the router's management page (if you know the admin password) and navigate to the Wireless settings to view or change it. If you cannot log in, a factory reset will also reset the Wi-Fi password to its default (usually printed on a sticker on the router or its packaging).

6. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	TL-WR841ND
Wireless Standard	IEEE 802.11n, 802.11g, 802.11b
Wireless Speed	Up to 300Mbps
Frequency Band	2.4 GHz
Antennas	2 x Detachable Omni Directional (RP-SMA)
Interfaces	4 x 10/100Mbps LAN Ports, 1 x 10/100Mbps WAN Port
Dimensions (W x D x H)	7.6 x 5.1 x 1.3 inches (192 x 130 x 33 mm)
Item Weight	1.1 pounds (0.5 kg)
Special Features	QoS, WPS Button, Parental Control, Wi-Fi On/Off Button
Security	64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK

7. WARRANTY INFORMATION

Please note that according to the product information, this product is sold with **No Warranty**. Users are advised to review the terms and conditions of purchase from their retailer regarding returns or support for defective units.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or further inquiries regarding your TP-Link TL-WR841ND router, TP-Link offers 24/7 technical support.

You can typically find support resources, including FAQs, drivers, firmware, and contact information, on the official TP-Link website:

[Visit TP-Link Support Website](#)

Please have your product model number (TL-WR841ND) and any relevant purchase information ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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