

TP-Link TD-W8961ND

TP-Link N300 ADSL2+ Wireless Wi-Fi Modem Router (TD-W8961ND) User Manual

Model: TD-W8961ND | Brand: TP-Link

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your TP-Link N300 ADSL2+ Wireless Wi-Fi Modem Router (TD-W8961ND). This device integrates an ADSL2+ modem, a wireless N router, and a 4-port switch into a single unit, offering a complete networking solution for your home or small office.

Key features include:

- Integrated ADSL2+ Modem, Wireless N Router, and 4-Port Switch.
- Wireless N speed up to 300Mbps, ideal for bandwidth-intensive applications.
- Robust wireless security features including WEP, WPA-PSK/WPA2-PSK, and Wireless MAC Filtering.
- Easy setup and management.



Figure 1: Front angled view of the TP-Link TD-W8961ND Modem Router, showing its two external antennas and the top casing with ventilation holes.

2. SETUP GUIDE

Follow these steps to set up your TD-W8961ND modem router for the first time. Ensure all components are present before beginning.

2.1 Package Contents

Verify that your package contains the following items:

- TP-Link TD-W8961ND Modem Router
- Power Adapter
- RJ-11 Telephone Cable
- RJ-45 Ethernet Cable
- External Splitter (if provided by your ISP)
- Quick Installation Guide / Resource CD

2.2 Hardware Connection

Connect the cables as illustrated below. It is crucial to connect the ADSL line correctly to ensure internet connectivity.

1. **Connect the ADSL Line:** Connect one end of the RJ-11 telephone cable to the ADSL port on the modem router and the other end to your telephone line's ADSL wall socket. If using a splitter, connect the modem to the splitter's modem port and the splitter to the wall socket.
2. **Connect to Computer:** Connect one end of the RJ-45 Ethernet cable to any of the yellow LAN ports (LAN1-LAN4) on the modem router and the other end to the Ethernet port on your computer.
3. **Connect Power:** Connect the power adapter to the modem router's power input and then plug the adapter into a standard electrical outlet. Press the On/Off button if the device does not power on automatically.



Figure 2: Rear panel of the TP-Link TD-W8961ND Modem Router, displaying the Power input, On/Off switch, WPS/Reset button, four LAN ports (yellow), and the ADSL port (grey).

2.3 Initial Configuration

After hardware connection, proceed with the software configuration. This typically involves accessing the router's web-based management interface.

- Open a web browser (e.g., Chrome, Firefox, Edge) on the connected computer.
- In the address bar, type the default IP address of the router (usually 192.168.1.1 or tplinkmodem.net) and press Enter.
- Enter the default username and password (typically "admin" for both).
- Follow the on-screen Quick Setup Wizard to configure your ADSL settings (VPI/VCI, connection type, ISP username/password) and wireless network settings (SSID, password).
- Refer to the provided start-up guide or resource CD for detailed, step-by-step instructions specific to your region and ISP.

3. OPERATING INSTRUCTIONS

Once configured, your TD-W8961ND modem router is ready for operation. This section covers basic usage and indicator

lights.

3.1 LED Indicators

The front panel LEDs provide status information about the device. Understanding these indicators can help in monitoring network activity and diagnosing minor issues.



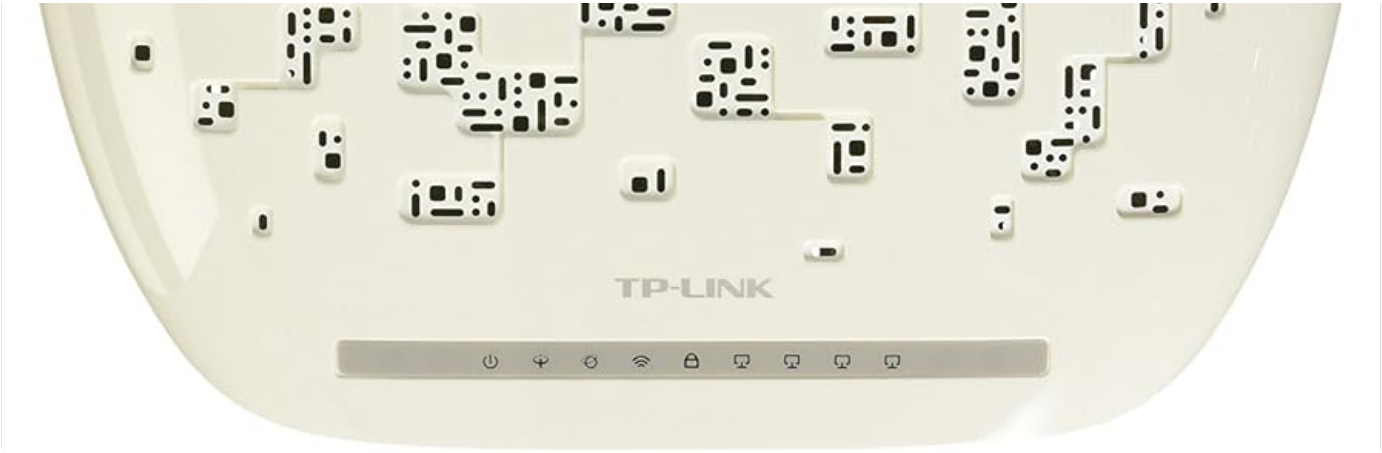


Figure 3: Top view of the TP-Link TD-W8961ND Modem Router, highlighting the LED indicator panel on the front edge.

LED Indicator Status

LED Name	Status	Description
Power	On	The modem router is powered on.
ADSL	On	ADSL line is connected and synchronized.
Internet	On/Flashing	Internet connection is active/data is being transmitted.
WLAN	On/Flashing	Wireless function is enabled/data is being transmitted wirelessly.
LAN1-4	On/Flashing	A device is connected to the corresponding LAN port/data is being transmitted.
WPS	Flashing	WPS connection is in progress.

3.2 Wireless Connectivity

The TD-W8961ND supports 802.11n wireless standards, operating on the 2.4 GHz frequency band (2.400-2.4835GHz). To connect wireless devices:

- Search for available Wi-Fi networks on your device (laptop, smartphone, tablet).
- Select your network's SSID (Service Set Identifier), which you configured during initial setup.
- Enter the wireless password (WPA-PSK/WPA2-PSK key) when prompted.
- Alternatively, use the WPS (Wi-Fi Protected Setup) button on the rear panel for a quick, secure connection with WPS-compatible devices.

3.3 Wired Connectivity

The four 10/100Mbps RJ45 LAN ports allow you to connect wired devices such as desktop computers, gaming consoles, or network printers directly to the router for stable and high-speed connections.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your modem router.

4.1 General Care

- Keep the device in a cool, dry place, away from direct sunlight, heat sources, and excessive moisture.

- Ensure adequate ventilation around the device. Do not block the ventilation holes.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols.

4.2 Firmware Updates

Periodically check the TP-Link official website for firmware updates. Firmware updates can improve performance, add new features, and fix bugs. Always follow the instructions provided by TP-Link carefully when performing a firmware upgrade to avoid damaging the device.

4.3 Factory Reset

If you encounter persistent issues or forget your login credentials, you may need to perform a factory reset. This will revert all settings to their default values.

- With the modem router powered on, locate the WPS/Reset button on the rear panel.
- Use a paperclip or a thin object to press and hold the button for approximately 8-10 seconds until all LEDs flash briefly.
- Release the button. The device will restart with factory default settings. You will need to reconfigure it as per the "Initial Configuration" section.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your TD-W8961ND modem router.

5.1 No Internet Access

- **Check ADSL LED:** If the ADSL LED is off or flashing, ensure the RJ-11 cable is securely connected to the ADSL port and the wall socket. Contact your Internet Service Provider (ISP) if the issue persists, as there might be a line problem.
- **Check Internet LED:** If the ADSL LED is solid but the Internet LED is off, verify your ISP settings (VPI/VCI, connection type, username, password) in the router's web interface.
- **Restart Devices:** Power cycle the modem router and your computer/connected devices.

5.2 Weak or Unstable Wi-Fi Signal

- **Router Placement:** Position the router in a central location, away from obstructions (thick walls, metal objects) and interference sources (cordless phones, microwaves).
- **Antenna Orientation:** Adjust the two external antennas for optimal signal reception.
- **Channel Interference:** In the router's wireless settings, try changing the Wi-Fi channel to a less congested one (e.g., 1, 6, or 11).
- **Firmware Update:** Ensure your router's firmware is up to date.

5.3 Cannot Access Router's Web Management Page

- **IP Address:** Ensure your computer is set to obtain an IP address automatically (DHCP).
- **Correct IP:** Double-check that you are typing the correct default IP address (192.168.1.1) or domain name (tplinkmodem.net).
- **Firewall/Antivirus:** Temporarily disable any firewall or antivirus software on your computer that might be blocking access.
- **Browser Issue:** Try a different web browser.

- **Factory Reset:** If all else fails, perform a factory reset (see Section 4.3).

6. SPECIFICATIONS

Feature	Detail
Model	TD-W8961ND
Interface	4 10/100Mbps RJ45 Ports, 1 RJ11 Port
IEEE Standards	IEEE 802.3, 802.3u
ADSL Standards	Full-rate ANSI T1.413 Issue 2, ITU-T G.992.1 (G.DMT), ITU-T G.992.2 (G.Lite), ITU-T G.994.1 (G.hs), ITU-T G.992.3 (ADSL2), ITU-T G.992.4 (ADSL2Lite), ITU-T G.992.5 (ADSL2+)
Antenna Type	Omni directional, Detachable, Reverse SMA
Frequency	2.400-2.4835GHz
Wireless Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Wireless Security	Support 64/128 bit WEP, WPA-PSK/WPA2-PSK, Wireless MAC Filtering
Dimensions (L x W x H)	7.7 x 1.5 x 5.3 inches (195 x 36 x 135 mm)
Operating System Compatibility	Windows, Mac, Linux-based OS
Voltage	9 Volts
Color	White
Item Weight	1.41 pounds (0.64 kg)

7. WARRANTY AND SUPPORT

TP-Link products come with a limited warranty. For specific warranty terms and conditions applicable to your region, please refer to the warranty card included with your product or visit the official TP-Link website.

7.1 Technical Support

For technical assistance, product registration, or to download the latest drivers and firmware, please visit the official TP-Link support website:

www.tp-link.com/us/support/

You can also find FAQs and community forums on the support page to help resolve common issues.

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

Answered questions about this manual

How can I block a URL and specific apps on the TP-Link TD-W8961ND router?

To block specific websites (URLs) or applications on the TP-Link TD-W8961ND, you must access the router's web-based management interface. While the basic setup guide provided does not detail every sub-menu, these features are typically...

[Read full answer](#)