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› [TP-Link](#) /

› TP-Link 300M Wireless N Router TL-WR840N User Manual

TP-Link TL-WR840N

TP-Link 300M Wireless N Router TL-WR840N User Manual

Model: TL-WR840N

1. INTRODUCTION

This user manual provides detailed instructions for the TP-Link 300M Wireless N Router, Model TL-WR840N. This device combines wired and wireless network connection capabilities, designed specifically for small business and home office networking requirements. It offers exceptional and advanced performance with 300Mbps wireless speed, making it ideal for smooth HD video streaming, VoIP, and online gaming. The router supports IEEE 802.11b/g/n standards and features multiple operating modes including Router, Access Point, Range Extender, and WISP Client Router. Its compact design and robust features ensure a reliable and secure wireless network experience.



Image 1.1: The TP-Link TL-WR840N Router as packaged in its retail box, showcasing the product and its branding.

2. PRODUCT OVERVIEW

2.1 Front Panel Indicators

The front panel of the TL-WR840N router features several LED indicators that provide real-time status of the device's operation. These indicators help in monitoring network activity and troubleshooting.

- **Power LED:** Indicates the power status of the router. Solid green means the router is powered on.
- **System LED:** Blinks when the system is working normally.
- **WLAN LED:** Indicates wireless activity. Blinks when wireless data is being transmitted or received.
- **LAN LEDs (1-4):** Each LED corresponds to a LAN port. A solid light indicates a device is connected to that port, and blinking indicates data activity.
- **WAN LED:** Indicates the status of the WAN connection. A solid light means a connection is established, and blinking indicates data activity.



Image 2.1: Front view of the TP-Link TL-WR840N Wireless N Router, showing the power, system, WLAN, LAN, and WAN LED indicators.

2.2 Rear Panel Ports and Buttons

The rear panel of the router contains all the necessary ports for connecting to your network and power, along with essential buttons for control and reset functions.

- **Power Port:** Connects to the provided power adapter.
- **WAN Port (Blue):** Connects to your modem or the internet service provider's (ISP) network.
- **LAN Ports (Yellow, 1-4):** Connects to your wired devices such as computers, smart TVs, or gaming consoles.
- **WPS/Reset Button:** Press and hold for a few seconds to activate WPS (Wi-Fi Protected Setup) for easy wireless connection. Press and hold for more than 5 seconds to reset the router to factory default settings.



Image 2.2: Rear view of the TP-Link TL-WR840N Router, detailing the power input, blue WAN port, four yellow LAN ports, and the WPS/Reset button.

3. SETUP

3.1 Hardware Connection

Follow these steps to connect your router:

1. **Power Off:** Disconnect the power from your modem and router (if applicable).
2. **Connect Modem:** Connect your modem's Ethernet cable to the **blue WAN port** on the TL-WR840N router.
3. **Connect Computer:** Connect your computer to one of the **yellow LAN ports (1-4)** on the router using an Ethernet cable.

4. **Power On:** Power on your modem first, wait for it to stabilize (usually indicated by stable internet lights), then power on the TL-WR840N router.

3.2 Quick Setup via Web Interface

After hardware connection, configure the router using its web management interface:

1. **Access Interface:** Open a web browser on your connected computer. In the address bar, type <http://tplinkwifi.net> or <http://192.168.0.1> (check the label on the bottom of your router for the exact address). Press Enter.
2. **Login:** A login window will appear. The default username and password are admin for both (unless changed previously).
3. **Run Quick Setup:** Upon successful login, the Quick Setup wizard will launch automatically. Follow the on-screen instructions to configure your internet connection type (e.g., Dynamic IP, Static IP, PPPoE) and wireless settings.
4. **Wireless Settings:** During the Quick Setup, you will be prompted to set your Wi-Fi Network Name (SSID) and Wireless Password. Choose a strong, unique password for security.
5. **Save and Reboot:** After completing the wizard, save your settings. The router may reboot to apply the changes.

4. OPERATING THE ROUTER

4.1 Basic Wireless Settings

To modify your wireless network name (SSID) or password after initial setup:

1. **Login:** Access the web management interface (<http://tplinkwifi.net>) and log in.
2. **Navigate:** Go to **Wireless > Wireless Settings**.
3. **Change SSID:** In the Wireless Network Name (SSID) field, enter your desired Wi-Fi name.
4. **Change Password:** Go to **Wireless > Wireless Security**. Select WPA/WPA2-Personal (Recommended) and enter your new Wireless Password in the PSK Password field.
5. **Save:** Click **Save** to apply the changes. You may need to reconnect your wireless devices.

4.2 Guest Network

The Guest Network feature allows you to provide internet access to guests without sharing your main network resources. This enhances security by isolating guest devices from your primary network.

1. **Login:** Access the web management interface and log in.
2. **Navigate:** Go to **Guest Network**.
3. **Enable:** Enable the Guest Network function.
4. **Configure:** Set the Guest Network Name (SSID), password, and access permissions (e.g., allow guests to see each other).
5. **Save:** Click **Save**.

Your browser does not support the video tag.

Video 4.1: An overview of the TP-Link 300Mbps Wireless N Router, highlighting its features and reliability. This video demonstrates the product's general appearance and key selling points.

5. MAINTENANCE

5.1 Firmware Upgrade

Keeping your router's firmware updated is crucial for performance, security, and new features. Always download firmware from the official TP-Link website.

1. **Download Firmware:** Visit the TP-Link support website, find the TL-WR840N model, and download the latest firmware file.
2. **Extract:** Extract the downloaded .zip file to get the .bin firmware file.
3. **Login:** Access the web management interface and log in.
4. **Navigate:** Go to **System Tools > Firmware Upgrade**.
5. **Browse:** Click **Browse** to locate the .bin firmware file on your computer.
6. **Upgrade:** Click **Upgrade**. Do not power off the router during the upgrade process.

5.2 Backup & Restore Configuration

You can back up your router's configuration settings to a file and restore them later, which is useful before a firmware upgrade or for quick setup of multiple identical routers.

1. **Login:** Access the web management interface and log in.
2. **Navigate:** Go to **System Tools > Backup & Restore**.
3. **Backup:** Click **Backup** to save the current configuration to your computer.
4. **Restore:** To restore, click **Browse** to select a previously saved configuration file, then click **Restore**.

5.3 Reboot

Rebooting the router can resolve minor network issues and apply certain configuration changes.

1. **Login:** Access the web management interface and log in.
2. **Navigate:** Go to **System Tools > Reboot**.
3. **Reboot:** Click **Reboot**. The router will restart.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your TL-WR840N router.

6.1 Cannot Access the Web Management Page

- Ensure your computer is correctly connected to a LAN port of the router.
- Verify that your computer's IP settings are set to

