

TP-Link TL-MR100

TP-Link TL-MR100 4G LTE WiFi Router User Manual

Model: TL-MR100

Brand: TP-Link

1. PRODUCT OVERVIEW

The TP-Link TL-MR100 is a 300Mb Wireless N 4G LTE WiFi Router designed to provide internet access by utilizing a 4G LTE SIM card. It allows sharing internet access with multiple Wi-Fi devices and offers flexible connectivity options.

- **Cutting-edge 4G Network:** Share internet access with up to 32 Wi-Fi devices and enjoy download speeds of up to 150 Mbps.
- **Plug a SIM Card and Play:** No configurations needed, compatibility of SIM cards in 100+ countries are assured by years of field tests.
- **Two Detachable Advanced LTE Antennas:** Enjoy stable and efficient connections to every device thanks to the two external antennas.
- **Wi-Fi Router Mode:** Plug an Ethernet cable into the LAN/WAN port for flexible access as a backup option if a 4G connection is unavailable.



Figure 1: Front view of the TL-MR100 router, showcasing its compact design and two external antennas.



Figure 2: Angled view of the TL-MR100 router, highlighting its sleek profile.

2. SETUP GUIDE

Follow these steps to set up your TL-MR100 4G LTE WiFi Router:

1. **Insert SIM Card:** Ensure the router is powered off. Locate the Nano SIM Card slot on the back of the router. Gently insert your Nano SIM card into the slot until it clicks into place.

No Configuration Needed Simply Plug and Play!



Figure 3: Proper insertion of the Nano SIM card into the router's dedicated slot.

2. **Connect Antennas:** Screw the two detachable LTE antennas firmly onto the connectors at the back of the router.
3. **Power On:** Connect the provided power adapter to the router's power port and then plug it into a wall outlet. The router will power on automatically.
4. **Wait for Connection:** Wait for the 4G/LTE LED indicator on the router to turn solid green, indicating a successful connection to the 4G network. This may take a few moments.
5. **Connect Devices:**
 - **Wireless Connection:** Find the Wi-Fi network name (SSID) and password printed on the label at the bottom of the router. Connect your Wi-Fi enabled devices (laptops, tablets, smartphones) to this network.
 - **Wired Connection:** For wired devices, connect an Ethernet cable from the router's LAN ports to your device's Ethernet port.



Figure 4: Rear panel of the TL-MR100, displaying all ports and buttons for connectivity.

3. OPERATING INSTRUCTIONS

Once set up, the TL-MR100 router operates automatically to provide internet access. Here are key operational aspects:

- **Internet Access:** The router will automatically connect to the 4G LTE network via the inserted SIM card, providing internet access to all connected devices.
- **Wi-Fi Network:** The router broadcasts a Wi-Fi network (SSID) that devices can connect to. The default SSID and password are on the bottom label. You can change these settings via the router's web management interface.
- **Multiple Device Support:** The TL-MR100 can support up to 32 Wi-Fi devices simultaneously, making it suitable for home or small office environments.

Reliable Access for Up to 32 Devices Simultaneously



Figure 5: The TL-MR100 supports reliable access for up to 32 devices simultaneously.

- **Advanced Software Functions:** The router includes features to enhance network safety and effectiveness. These may include Parental Controls to manage internet access for children and a Guest Network to provide separate Wi-Fi access for guests while securing your main network.

Advanced Software Functions Help You Enhance Your Network Safety and Effectiveness



Robust Parental Controls

If you want to block harmful websites, set surfing time limits, check which sites your kids are using or just pause the internet, you can do it all.



Guest Network

It provides separate Wi-Fi access for guests while securing the whole network.

Figure 6: Advanced software functions like Parental Controls and Guest Network enhance network safety.

- **Wi-Fi Router Mode (Backup):** If your 4G connection is unstable or unavailable, you can connect an Ethernet cable from your modem (e.g., DSL/Cable modem) to the LAN/WAN port on the TL-MR100 to use it as a standard Wi-Fi router.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your TL-MR100 router:

- **Firmware Updates:** Periodically check the TP-Link official website for firmware updates. Updating firmware can improve performance, add new features, and fix bugs.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the router is placed in a well-ventilated area to prevent overheating. Do not cover the ventilation

holes.

- **Placement:** Place the router in a central location in your home or office, away from obstructions and devices that emit strong electromagnetic interference (e.g., microwaves, cordless phones) to maximize Wi-Fi coverage.
- **Power Cycle:** If you experience minor issues, try power cycling the router by unplugging it from the power outlet for 10 seconds and then plugging it back in.

5. TROUBLESHOOTING

If you encounter issues with your TL-MR100 router, refer to the following common troubleshooting steps:

- **No Internet Access:**

- Check if the SIM card is correctly inserted and activated with a data plan.
- Verify the 4G/LTE LED indicator on the router. If it's not solid green, there might be an issue with the SIM card or network coverage.
- Try moving the router to a location with better 4G signal strength.
- Ensure your device is connected to the correct Wi-Fi network and has the correct password.
- If using Wi-Fi Router Mode, ensure the Ethernet cable from your modem is securely connected to the LAN/WAN port and the modem is working correctly.

- **Slow Internet Speed:**

- Check your 4G signal strength. Weak signal can lead to slow speeds.
- Reduce the number of connected devices or bandwidth-intensive activities.
- Ensure the router is placed optimally, away from interference.
- Perform a speed test to confirm the actual speed you are receiving.

- **Wi-Fi Disconnections:**

- Ensure the router's firmware is up to date.
- Change the Wi-Fi channel in the router's settings to avoid interference from neighboring networks.
- Check for physical obstructions or interference sources near the router.

- **Cannot Access Router's Web Management Page:**

- Ensure your device is connected to the router's network (wired or wireless).
- Verify you are entering the correct default IP address (usually 192.168.0.1 or 192.168.1.1) in your web browser.
- Clear your browser's cache or try a different browser.
- Temporarily disable any firewall or antivirus software on your computer.

- **Factory Reset:** If all else fails, you can perform a factory reset. With the router powered on, press and hold the WPS/RESET button on the back panel for about 5-10 seconds until the LEDs flash. This will restore the router to its default factory settings, including Wi-Fi SSID and password.

6. SPECIFICATIONS

Model Name	TL-MR100
Product Dimensions	4.49 x 6.06 x 1.42 inches
Item Weight	5.3 ounces
Wireless Communication Standard	802.11n, 802.11b, 802.11g
Frequency Band Class	Dual-Band (Note: Product description states 2.4 GHz, but dual-band is listed in specs. Confirm with manufacturer if needed.)
Frequency	2.4 GHz
Connectivity Technology	Wi-Fi
Special Feature	WPS
Compatible Devices	Laptop, Tablet
Included Components	Power adapter, Ethernet cable, Quick installation guide
Date First Available	July 15, 2020

7. WARRANTY INFORMATION

TP-Link products typically come with a limited warranty. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase for warranty claims.

For detailed warranty information, including terms, conditions, and registration, please visit the official TP-Link website or contact their customer support directly.

8. SUPPORT

For further assistance, technical support, or to download the latest drivers and firmware for your TL-MR100 router, please visit the official TP-Link support website:

[TP-Link Official Support](#)

You can also find additional resources and FAQs on their website. When contacting support, please have your product model (TL-MR100) and serial number ready.

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