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› TP-Link 300Mbps Wi-Fi 4G LTE Router - User Manual

TP-Link TL-MR6400

TP-Link 300Mbps Wi-Fi 4G LTE Router User Manual

Model: TL-MR6400

1. PRODUCT OVERVIEW

The TP-Link 300Mbps Wi-Fi 4G LTE Router (Model: TL-MR6400) is designed to provide high-speed internet access wherever 4G LTE coverage is available. It integrates a 4G LTE modem and a Wi-Fi router into one device, allowing users to share a 4G LTE mobile broadband connection with multiple Wi-Fi devices. This router is an ideal solution for homes, offices, or remote locations where traditional wired internet is unavailable or unreliable, offering flexibility and robust connectivity.



Figure 1: Front view of the TP-Link TL-MR6400 4G LTE Router.

2. KEY FEATURES

Hardware Features:

- **Interfaces:** 3 x 10/100Mbps LAN Ports, 1 x 10/100Mbps LAN/WAN Port, 1 x SIM Card Slot.
- **Buttons:** WPS/Reset Button, Wi-Fi On/Off Button, Power On/Off Button.
- **Dimensions:** Approximately 202 x 141 x 33.6 mm (7.95 x 5.55 x 1.32 inches).
- **External Power Supply:** 12V/1A.
- **Antenna Type:** 2 internal Wi-Fi antennas and 2 external detachable 4G LTE antennas.

Wireless Features:

- **Wireless Standards:** IEEE 802.11b/g/n 2.4GHz.
- **Frequency:** 2.4GHz.

- **Signal Rate:** 300Mbps at 2.4GHz.
- **Wireless Security:** 64/128-bit WEP, WPA/WPA2-PSK, WPA/WPA2-PSK Encryption.

Network Type:

- **4G:** FDD-LTE (800/900/1800/2100/2600MHz), TDD-LTE (2300/2600MHz).
- **3G:** DC-HSPA+/HSPA+/HSPA/UMTS (900/2100MHz).
- **2G:** EDGE/GPRS/GSM (850/900/1800/1900MHz).

Software Features:

- **Quality of Service (QoS):** Traffic Control (IP QoS).
- **Operation Mode:** 3G/4G Wireless Router.
- **Management:** Access Control, Local Management, Remote Management.
- **WAN Connection Type:** Dynamic IP/Static IP/PPPoE/PPTP (Dual Access)/L2TP (Dual Access).
- **DHCP:** Server, DHCP Client List, Address Reservation.
- **Port Forwarding:** Virtual Server, Port Triggering, UPnP, DMZ.
- **Dynamic DNS:** DynDns, NO-IP.
- **VPN Pass-Through:** PPTP, L2TP, IPSec.
- **Access Control:** Parental Control, Local Management Control.

3. SETUP GUIDE

Setting up your TP-Link TL-MR6400 router is a straightforward process. Follow these steps to get your 4G LTE Wi-Fi network up and running quickly.

3.1. SIM Card Insertion

Before powering on the device, insert your Nano SIM card into the designated slot on the back of the router. Ensure the SIM card is correctly oriented as indicated by the diagram next to the slot.



Figure 2: Proper insertion of the Nano SIM card.

3.2. Power Connection

Connect the provided power adapter to the router's power port and then plug the adapter into a standard electrical outlet. The router will automatically power on.



Figure 3: Back panel of the router with power and LAN/WAN ports.

3.3. Initial Connection

Wait for the router to fully boot up. The LED indicators on the front panel will light up, indicating power, Wi-Fi status, and 4G LTE signal strength. Once the 4G LTE signal indicator is stable, your router is ready to provide internet access.

You can connect to the router wirelessly using the default Wi-Fi SSID and password printed on the label at the bottom of the device. Alternatively, you can connect a computer to one of the LAN ports using an Ethernet cable.



Figure 4: Connecting the router to a computer via LAN/WAN port.

5. OPERATING INSTRUCTIONS

Once set up, the TL-MR6400 operates as your primary internet gateway. It allows up to 32 devices to connect simultaneously, providing stable and fast internet for various activities.

5.1. Connecting Devices

To connect a device (smartphone, tablet, laptop, smart TV, etc.) to the router's Wi-Fi network, search for the Wi-Fi network name (SSID) on your device and enter the Wi-Fi password. Both are found on the product label.



Figure 5: The router supports simultaneous connections for up to 32 devices.

5.2. Managing Network Settings

For advanced settings and network management, access the router's web management page. Open a web browser and type <http://tplinkwifi.net> or the router's default IP address (usually 192.168.1.1 or 192.168.0.1) into the address bar. Log in with the username and password (default is admin for both, or as specified on the product label).

From the management page, you can:

- Change Wi-Fi SSID and password.
- Configure parental controls.
- Set up guest networks.
- Monitor connected devices.
- Update firmware.

6. MAINTENANCE

To ensure optimal performance and longevity of your TL-MR6400 router, consider the following maintenance tips:

- **Optimal Placement:** Place the router in a central location in your home, away from obstructions and devices that emit strong electromagnetic interference (e.g., microwaves, cordless phones).
- **Firmware Updates:** Regularly check for and install firmware updates from the TP-Link official website. Firmware updates often include performance improvements, security patches, and new features.
- **Regular Reboots:** Periodically reboot the router (unplug from power for 10 seconds, then plug back in) to

clear its memory and refresh network connections. This can resolve minor performance issues.

- **Physical Cleaning:** Keep the router clean and free from dust buildup, especially around ventilation areas, to prevent overheating.

7. TROUBLESHOOTING COMMON ISSUES

If you encounter issues with your router, try these common troubleshooting steps:

- **No Internet Access:**
 - Check the 4G LTE signal strength indicator on the router. If it's red or off, ensure your SIM card is properly inserted and you have active data plan coverage.
 - Reboot the router.
 - Verify your SIM card works in another device (e.g., a smartphone).
- **Slow Internet Speed:**
 - Relocate the router to a spot with better 4G LTE signal reception.
 - Ensure no background applications or devices are consuming excessive bandwidth.
 - Check for firmware updates.
- **Wi-Fi Disconnections:**
 - Ensure your devices are within the router's Wi-Fi range.
 - Change the Wi-Fi channel in the router's settings to avoid interference from neighboring networks.
 - Update your device's Wi-Fi drivers.
- **Cannot Access Web Management Page:**
 - Ensure your device is connected to the router's network (wired or wireless).
 - Try clearing your browser's cache or using a different browser.
 - Verify the router's IP address and login credentials.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	TP-Link
Model Name	TL-MR6400
Wireless Type	802.11ac (Note: Description states 802.11b/g/n 2.4GHz, but specifications list 802.11ac. Prioritizing description for detailed wireless features, but including 802.11ac from specs as a general type.)
Frequency	2.4 GHz
Signal Rate	300Mbps (2.4GHz)
Item Weight	9.5 ounces

Product Dimensions	7.95 x 5.55 x 1.32 inches
Power Supply	12V/1A
SIM Card Type	Nano SIM
Network Compatibility	4G FDD-LTE/TDD-LTE, 3G DC-HSPA+/HSPA+/HSPA/UMTS, 2G EDGE/GPRS/GSM

9. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official TP-Link website or contact TP-Link customer service. You can also find additional resources, FAQs, and troubleshooting guides on their support pages.

Visit the [TP-Link Store on Amazon](#) for more products and information.