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> [QUANTRON QWR-4G01 4G LTE Wireless Router User Manual](#)

QUANTRON QWR-4G01

QUANTRON QWR-4G01 4G LTE Wireless Router User Manual

Model: QWR-4G01

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your QUANTRON QWR-4G01 4G LTE Wireless Router. Please read this manual carefully before using the device to ensure proper setup and optimal performance. Keep this manual for future reference.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your product package:

- QUANTRON QWR-4G01 Router
- Power Adapter
- LAN Cable
- User Manual (this document)

3. PRODUCT OVERVIEW

The QUANTRON QWR-4G01 is a high-speed 4G LTE wireless router designed to provide reliable internet connectivity. It features a 300 Mbps data transfer rate and four external antennas for enhanced signal coverage. This router supports both 4G and 5G networks, offering versatile compatibility for various network environments.



Figure 3.1: QUANTRON QWR-4G01 Router and its retail packaging.

Key Features:

- **High-Speed Connectivity:** Up to 300 Mbps 4G LTE wireless.
- **Enhanced Signal:** Four high-gain external antennas.
- **Network Compatibility:** Supports 4G and 5G networks.
- **Status Indicators:** WAN status LED and Internal status LED.
- **Functionality:** Reset button, USB support, and SIM lock support.
- **Power Options:** Dual power input (DC 12V/1A or 5V/2A).



Figure 3.2: Front view of the QUANTRON QWR-4G01 Router highlighting key features.

4. SETUP GUIDE

4.1 Physical Installation

1. **Attach Antennas:** Carefully screw the four external antennas onto the corresponding connectors on the back of the router. Ensure they are securely fastened but do not overtighten.
2. **Insert SIM Card:** Locate the SIM card slot, usually on the side or bottom of the router. Insert your activated 4G/5G SIM card into the slot with the metal contacts facing down and the notched corner oriented correctly. Push until it clicks into place.
3. **Connect Power:** Connect the provided power adapter to the router's power input port and then plug the adapter into a standard electrical outlet. The router will power on automatically.
4. **(Optional) Connect LAN Devices:** If you have wired devices (e.g., desktop computer, gaming console), connect one end of the provided LAN cable to an Ethernet port on the router and the other end to your device's Ethernet port.

4.2 Initial Configuration

After physical installation, configure the router for internet access:

1. **Connect to Wi-Fi:** On your computer or smartphone, search for available Wi-Fi networks. Connect to the network named "QUANTRON_XXXX" (where XXXX are the last four digits of the router's MAC

address or a default name). The default Wi-Fi password is typically printed on a sticker on the bottom of the router.

2. **Access Web Interface:** Open a web browser (e.g., Chrome, Firefox) and enter the router's default IP address in the address bar. Common default IP addresses are [192.168.1.1](#) or [192.168.0.1](#). Refer to the sticker on your router for the exact IP address and default login credentials (username and password).
3. **Login:** Enter the default username and password when prompted. It is highly recommended to change these default credentials immediately after your first login for security purposes.
4. **Configure Internet Settings:** Navigate to the WAN or Internet settings section. The router should automatically detect the 4G/5G network settings from your SIM card. If not, you may need to manually enter the APN (Access Point Name) provided by your mobile network operator.
5. **Customize Wi-Fi Settings:** Go to the Wireless or Wi-Fi settings to change the Wi-Fi network name (SSID) and password to something memorable and secure. Save your changes.

5. OPERATING INSTRUCTIONS

5.1 LED Indicators

The router features several LED indicators to show its status:

- **WAN Status LED:** Indicates the status of the internet connection (e.g., solid green for connected, blinking for data activity, red for no connection).
- **Internal Status LED:** Indicates the operational status of the router's internal system (e.g., solid green for normal operation, blinking during boot-up or error).
- **Wi-Fi LED:** Indicates Wi-Fi network activity.
- **LAN LED(s):** Indicates activity on the wired LAN ports.

5.2 Reset Functionality

A reset button is located on the router. This button serves two primary functions:

- **Soft Reset (Reboot):** Press and hold the reset button for approximately 3-5 seconds. The router will restart without losing its configuration settings.
- **Factory Reset:** To restore the router to its factory default settings, press and hold the reset button for more than 10 seconds while the router is powered on. All custom configurations, including Wi-Fi name and password, will be erased. The router will then reboot.

5.3 USB Functionality

The router includes a USB port. This port can be used for various functions, such as connecting a USB storage device for network-attached storage (NAS) capabilities, allowing users on the network to access shared files. Refer to the router's web interface for specific USB configuration options.

5.4 SIM Lock Support

The QUANTRON QWR-4G01 supports SIM lock functionality, which can restrict the router to operate only with a specific SIM card or network. This feature enhances security and can be configured through the router's web management interface.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the router. Do not use liquid or aerosol cleaners.
- **Placement:** Place the router in a central location, away from obstructions, large metal objects, and other electronic devices that may cause interference. Ensure adequate ventilation.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping your router's firmware up-to-date ensures optimal performance, security, and access to new features.
- **Operating Environment:** Ensure the router operates within its specified temperature range of -10°C to +65°C. Avoid extreme temperatures and humidity.

7. TROUBLESHOOTING

If you encounter issues with your router, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Internet Access	SIM card not inserted correctly, no active data plan, incorrect APN settings, WAN LED is red.	<ul style="list-style-type: none"> • Ensure SIM card is properly inserted and has an active data plan. • Check APN settings in the router's web interface. • Reboot the router. • Contact your mobile network provider.
Weak Wi-Fi Signal or Slow Speed	Router placement, interference, outdated firmware.	<ul style="list-style-type: none"> • Relocate the router to a central, open area. • Ensure antennas are correctly positioned. • Minimize interference from other electronic devices. • Update router firmware.
Cannot Access Web Interface	Incorrect IP address, network connection issue, browser cache.	<ul style="list-style-type: none"> • Verify the router's IP address (check sticker). • Ensure your device is connected to the router's Wi-Fi or LAN. • Try a different web browser or clear browser cache. • Perform a soft reset of the router.

Problem	Possible Cause	Solution
Forgot Wi-Fi Password or Login Credentials	Lost or forgotten credentials.	<ul style="list-style-type: none"> Perform a factory reset (see Section 5.2) to revert to default settings. Access the web interface with default credentials and reconfigure.

8. SPECIFICATIONS

Feature	Detail
Brand	QUANTRON
Model	QWR-4G01
Data Transfer Rate	300 Megabits Per Second
Wireless Type	802.11n
Connector Type	5G, LTE, Wi-Fi
Number of Ports	2 (LAN)
Antennas	4 External Antennas
Power Consumption	<5W
Power Options	DC 12V/1A or 5V/2A
Operating Temperature	-10°C to +65°C
Product Dimensions	15 x 10 x 3.5 cm
Item Weight	460 g
Special Features	4G LTE Compatible, External Antenna, Reset Button, SIM Lock Support, USB Support
Compatible Devices	Desktop Computers, Laptops, Smartphone, Tablet
Operating System Compatibility	Linux, Mac OS, Windows

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This product typically comes with a manufacturer's warranty against manufacturing defects. Please refer to the warranty card included in your package or the product listing for specific terms and conditions. A 10-day replacement policy may also be applicable as per retailer terms.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact QUANTRON customer support. Contact details can usually be found on the product packaging, the official QUANTRON website, or the retailer's support page.

When contacting support, please have your product model (QWR-4G01) and purchase details ready.