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› [Teltonika](#) /

› [Teltonika RUT240 LTE Router User Manual](#)

Teltonika RUT240

Teltonika RUT240 LTE Router User Manual

Comprehensive instructions for setting up, operating, maintaining, and troubleshooting the Teltonika RUT240 LTE Wi-Fi Router.

1. PRODUCT OVERVIEW

The Teltonika RUT240 is an industrial 4G LTE Wi-Fi router designed for reliable cellular communication in various environments. This manual provides essential information for its proper installation, configuration, and use.



Figure 1: Front view of the Teltonika RUT240 LTE Router with its three attached antennas, illustrating its compact design.

2. PACKAGE CONTENTS

Before proceeding with installation, verify that all items are present in the package:

- Teltonika RUT240 LTE Router
- Power Adapter
- Ethernet Cable
- Two LTE Antennas (magnetic mount, SMA male)

- One Wi-Fi Antenna (magnetic mount, RP-SMA male)
- Quick Start Guide



Figure 2: The Teltonika RUT240 router displayed with its standard accessories, including the power adapter and an Ethernet cable.

3. SETUP

3.1 Hardware Installation

1. **Insert SIM Card:** Locate the SIM card slot on the side of the router. Insert your activated Mini-SIM card into the slot until it clicks into place. Ensure the SIM card is correctly oriented as indicated on the device.
2. **Attach Antennas:** Screw the two LTE antennas onto the SMA connectors labeled "MOBILE" and the Wi-Fi antenna onto the RP-SMA connector labeled "WLAN" on the router. Ensure they are securely tightened.
3. **Connect Power:** Connect the power adapter to the power socket on the router and then plug the adapter into a power outlet. The router will begin to power on.
4. **Optional: Ethernet Connection:** For initial configuration or wired network access, connect one end of the Ethernet cable to the LAN port on the router and the other end to your computer's Ethernet port.



Figure 4: Rear view of the Teltonika RUT240, showing the power input, SIM card slot, and the LAN/WAN Ethernet ports.

3.2 Initial Configuration

1. **Access Web Interface:** Open a web browser on your connected computer and navigate to <http://192.168.1.1>.
2. **Login:** Enter the default username "admin" and the password found on the device label or packaging. You will be prompted to change the password for security.
3. **Quick Setup Wizard:** Follow the on-screen Quick Setup Wizard to configure basic settings such as mobile data connection (APN settings), Wi-Fi network name (SSID), and password.

4. OPERATING INSTRUCTIONS

4.1 LED Indicators

The RUT240 features several LED indicators to provide status information:

- **Power LED:** Indicates power status. Solid green when powered on.
- **Mobile Signal Strength LEDs:** Multiple LEDs indicate the strength of the cellular signal. More illuminated LEDs mean stronger signal.
- **Network Type LEDs:** Indicate the active cellular network type (e.g., 2G, 3G, 4G/LTE).
- **Wi-Fi LED:** Indicates Wi-Fi module status.
- **LAN/WAN LEDs:** Indicate activity on the respective Ethernet ports.

4.2 Connecting to Wi-Fi

1. On your device (smartphone, laptop), search for available Wi-Fi networks.
2. Select the network name (SSID) configured during the initial setup.
3. Enter the Wi-Fi password (WPA2 key) when prompted.
4. Once connected, your device should have internet access via the RUT240.

4.3 Advanced Configuration

The router's web interface (RutOS) offers extensive configuration options for advanced users, including VPN, firewall rules, SMS utilities, and more. Refer to the official Teltonika documentation for detailed guides on advanced features.

5. MAINTENANCE

- **Firmware Updates:** Regularly check for and install firmware updates from the official Teltonika website to ensure optimal performance, security, and access to new features. This can typically be done via the router's web interface.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth. Do not use liquid cleaners.
- **Environmental Conditions:** Ensure the router is operated within its specified temperature and humidity ranges to prevent damage. Avoid direct sunlight and excessive heat.
- **Secure Passwords:** Periodically change your router's login password and Wi-Fi password to maintain network security.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|----------------------------------|---|---|
| No Internet Access | SIM card not inserted correctly or not activated. Incorrect APN settings. No cellular signal. Data plan exhausted. | Reinsert SIM card. Verify APN settings in the web interface. Relocate router for better signal. Contact your mobile operator. |
| Cannot Access Web Interface | Incorrect IP address. Router not powered on. IP address conflict. | Ensure you are using http://192.168.1.1 . Check power LED. Reset router to factory defaults (see below). |
| Wi-Fi Not Visible or Connectable | Wi-Fi module disabled. Incorrect Wi-Fi password. Interference. | Enable Wi-Fi in the web interface. Verify Wi-Fi password. Change Wi-Fi channel in settings. |

6.1 Factory Reset

If you encounter persistent issues, a factory reset may resolve them. To perform a factory reset:

1. Ensure the router is powered on.
2. Locate the reset button (often recessed) on the router.
3. Use a thin object (e.g., a paperclip) to press and hold the reset button for approximately 10 seconds.
4. Release the button when the LEDs indicate a reset (e.g., all LEDs flash). The router will reboot with factory default settings.

7. SPECIFICATIONS

| Feature | Detail |
|---------------------------------|---------------------------|
| Model Name | Teltonika RUT240 |
| Item Model Number | RUT24006B000 |
| Product Dimensions | 2.91 x 3.27 x 0.98 inches |
| Item Weight | 4 Milligrams |
| Operating System | RutOS |
| Connectivity Technology | LAN, Wi-Fi |
| Wireless Communication Standard | 802.11n |
| Frequency Band Class | Quad-Band |
| Special Feature | WPS |

| Feature | Detail |
|--------------------|-------------------|
| Compatible Devices | Personal Computer |
| Recommended Uses | Monitoring |
| Manufacturer | JSC Teltonika |

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Teltonika website or the warranty card included with your product. Technical support is available through Teltonika's official support channels, including their website and dedicated support portal.

Online Resources:

- [Teltonika RUT240 Wiki](#) (for comprehensive documentation and guides)
- [Teltonika Networks Support](#)

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Related Documents - RUT240

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|---|---|
|  | <p>Teltonika RUT240 Quick Start Guide</p> <p>Get started quickly with the Teltonika RUT240 cellular router. This guide covers hardware installation, device login, basic configuration, and technical specifications.</p> |
|  | <p>Teltonika RUT240 User Manual v2.1</p> <p>User manual for the Teltonika RUT240, a compact LTE/4G router with SIM card and WLAN access. This manual provides hardware installation, LED indicators, login instructions, GPL information, specifications, and safety information.</p> |
|  | <p>Teltonika RUT240 Quick Start Guide</p> <p>A quick start guide for the Teltonika RUT240 LTE CAT4 industrial router, covering hardware installation, login procedures, and technical specifications.</p> |
|  | <p>Teltonika RUT240 LTE Router Quick Start Guide</p> <p>Quick start guide for the Teltonika RUT240 LTE Router, covering hardware installation, initial configuration, login, and specifications.</p> |



[Teltonika RUT206 Quick Start Guide](#)

Quick Start Guide for the Teltonika RUT206 router, covering hardware overview, safety information, specifications, compliance, and initial setup instructions for reliable connectivity.



[Teltonika RUT850 Quick Start Guide v2.2](#)

This Quick Start Guide for the Teltonika RUT850 cellular router provides essential instructions for hardware setup, device login, and initial configuration. Learn about technical specifications and access further resources.