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Luqeeg Luqeegr6fpcs80xv-12

Luqeeg 4G LTE Modem Router User Manual

Model: Luqeegr6fpcs80xv-12

1. Product Overview

The Luqeeg 4G LTE Modem Router provides wireless internet connectivity by converting a 4G LTE signal from a standard SIM card into a Wi-Fi hotspot. Designed for versatility, it supports up to 32 simultaneous users and features a robust four-antenna design for extended coverage and stable performance. This device is suitable for various environments, including homes, offices, and mobile setups like travel or camping.

Key Features:

- **Easy Conversion:** Insert a standard SIM card to automatically convert 4G LTE into a Wi-Fi hotspot.
- **Four Antenna Design:** Enhances signal strength and coverage for a more stable connection.
- **Built-in Professional Antenna:** Ensures improved 4G LTE and Wi-Fi signal quality, efficient heat dissipation, and reliable operation.
- **Dual Backup Connectivity:** Automatically switches from wired broadband to cellular network if the primary connection fails.
- **Multi-Device Support:** Connects up to 32 devices simultaneously, including phones, tablets, and computers.



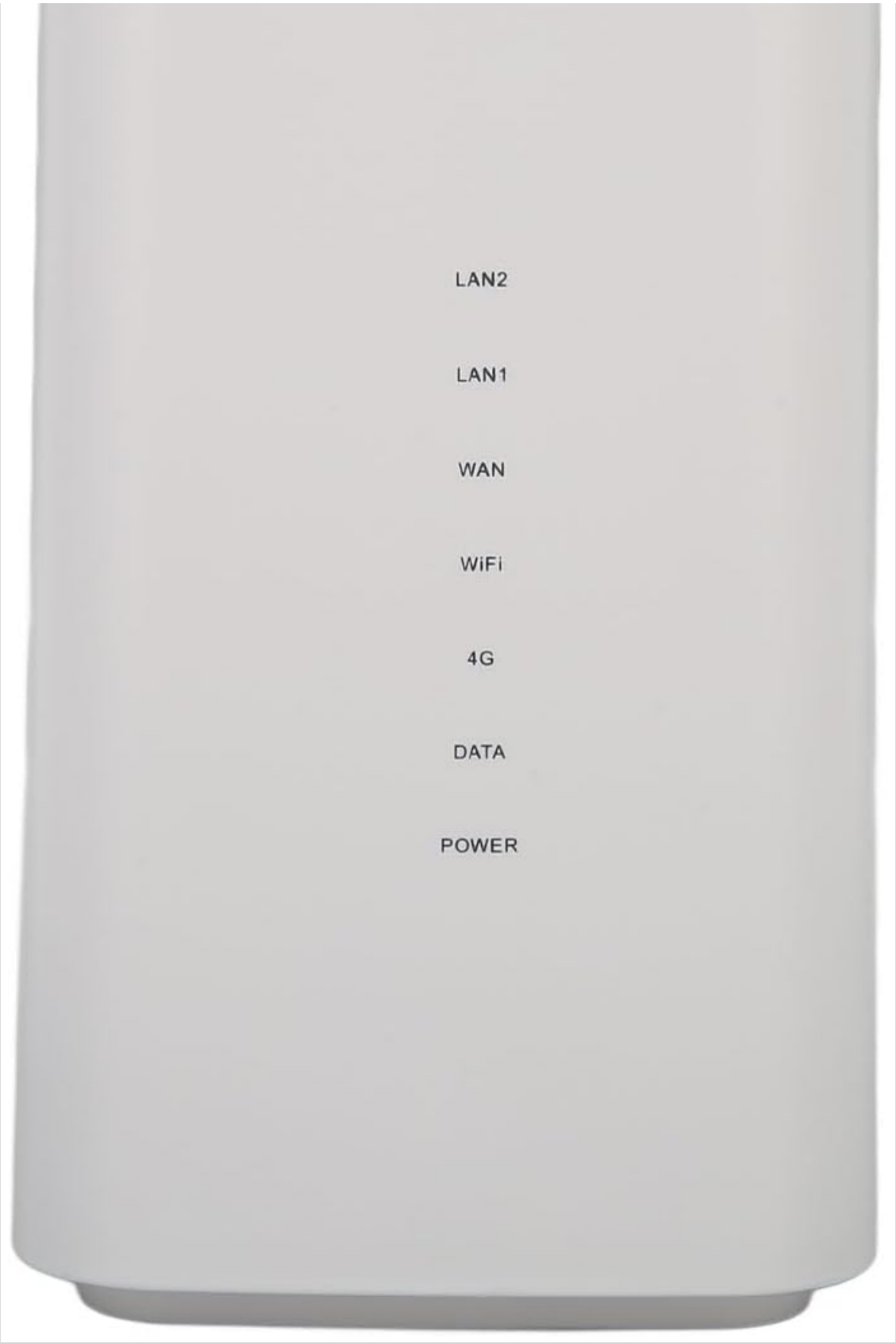


Figure 1: Front view of the Luqeeg 4G LTE Modem Router, showing the 4G/5G WiFi logo and indicator labels for LAN, WAN, WiFi, 4G, Data, and Power.

2. Package Contents

Verify that all items are present in the package:

- 1 x Luqeeg 4G LTE Modem Router
- 1 x Power Adapter (US Plug)

- 1 x Network Cable
- 1 x User Manual (this document)



Figure 2: The Luqeeg 4G LTE Modem Router shown with its included power adapter and network cable.

3. Setup Instructions

Follow these steps to set up your Luqeeg 4G LTE Modem Router:

3.1. SIM Card Insertion

1. Locate the SIM card slot on the side of the router.
2. Ensure the router is powered off before inserting the SIM card.
3. Insert a standard SIM card into the designated slot until it clicks into place. Ensure the SIM card is correctly oriented.
4. The router will automatically detect the SIM card and convert the 4G LTE signal into a Wi-Fi hotspot upon power-on.



Figure 3: Side view of the router highlighting the SIM card slot and various network ports.

3.2. Power Connection

1. Connect the provided power adapter to the DC IN port on the router.
2. Plug the power adapter into a standard electrical outlet (100-240V).
3. The Power indicator light on the front panel will illuminate when the router is receiving power.

3.3. Optional Wired Connection (WAN/LAN)

The router supports both wired and wireless connections. For a wired connection:

- **WAN Port:** If you have a wired broadband internet connection, connect an Ethernet cable from your modem or existing router to the WAN port on the Luqeeg router. The router will automatically switch to the cellular network if the primary wired broadband fails.
- **LAN Ports:** Connect devices such as computers, gaming consoles, or smart TVs to the LAN1 or LAN2 ports using an Ethernet cable for a stable wired network connection.


DC
RESET
WAN
LAN1
LAN2
SIM



Figure 4: Rear view of the Luqeeg 4G LTE Modem Router, displaying the SIM card slot, LAN1, LAN2, WAN, Reset button, and DC IN port.

4. Operating Instructions

4.1. Connecting to Wi-Fi

1. Once the router is powered on and the SIM card is inserted, wait for the Wi-Fi and 4G indicator lights to become stable.
2. On your device (smartphone, tablet, laptop), search for available Wi-Fi networks.
3. Select the network name (SSID) corresponding to your Luqeeg router. The default SSID and password can usually be found on a label on the bottom or back of the router.
4. Enter the Wi-Fi password when prompted.
5. Your device should now be connected to the internet.



Figure 5: Bottom label of the Luqeeg 4G LTE Modem Router, displaying default Wi-Fi SSID, password, and administrative login details.

4.2. Accessing Router Settings

To configure advanced settings, change Wi-Fi name/password, or monitor network status:

1. Connect your device to the router's Wi-Fi network or via an Ethernet cable to a LAN port.
2. Open a web browser and enter the router's default IP address (e.g., `192.168.10.1`) into the address bar. This IP address is typically found on the router's label (refer to Figure 5).
3. Enter the default username and password (e.g., `admin` for both) when prompted. These credentials are also on the router's label.
4. You can now access the router's web interface to customize settings.

4.3. WPS Functionality

The router supports WPS (Wi-Fi Protected Setup) for easy connection of WPS-compatible devices:

1. Press the WPS button on the router (if available, typically combined with the Wi-Fi button or a dedicated button).
2. Within two minutes, activate WPS on your client device.
3. The devices will automatically connect without needing to enter the Wi-Fi password.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the router. Do not use liquid or aerosol cleaners.
- **Placement:** Place the router in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Avoid placing it near large metal objects or other electronic devices that may cause interference.
- **Firmware Updates:** Regularly check the manufacturer's website for firmware updates to ensure optimal performance and security.
- **Resetting:** If the router is unresponsive or you forget the administrative password, you can perform a factory reset by pressing and holding the Reset button (located on the back panel, refer to Figure 4) for approximately 10 seconds while the router is powered on. This will restore all settings to their factory defaults.

6. Troubleshooting

6.1. No Internet Connection

- **Check SIM Card:** Ensure the SIM card is correctly inserted and active with a data plan.
- **Indicator Lights:** Verify that the Power, 4G, and Wi-Fi indicator lights are stable. If the 4G light is off or blinking erratically, there might be a network issue or SIM card problem.
- **Reboot Router:** Power off the router, wait 10 seconds, then power it back on.
- **Check Cables:** If using a wired WAN connection, ensure the Ethernet cable is securely connected.
- **Router Settings:** Access the router's web interface to check network status and APN settings for your SIM card provider.

6.2. Weak Wi-Fi Signal or Slow Speed

- **Router Placement:** Move the router to a central location, away from obstructions (walls, large furniture) and interference sources (microwaves, cordless phones).
- **Antennas:** Ensure the router's internal antennas are functioning optimally. The four-antenna design is intended to maximize coverage.
- **Interference:** Other electronic devices can interfere with Wi-Fi signals. Try changing the Wi-Fi channel in the router settings.
- **Too Many Devices:** While the router supports up to 32 users, excessive simultaneous high-bandwidth activities can reduce speed.

6.3. Cannot Access Router Web Interface

- **IP Address:** Ensure you are using the correct IP address (e.g., `192.168.10.1`).
- **Connection:** Verify your device is connected to the router's network (Wi-Fi or LAN).
- **Browser Cache:** Clear your web browser's cache and cookies, or try a different browser.
- **Factory Reset:** If you have forgotten the login credentials, perform a factory reset (see Section 5).

7. Specifications

Feature	Detail

Model Number	Luqeegr6fpcs80xv-12
Item Type	4G LTE Router
Material	ABS
Color	White
Voltage	100-240V
Connectivity Type	Plug-in Card / Network Cable
SIM Card Slot	Standard SIM Card (SIM card not included)
Max Users Supported	Up to 32 users
Package Dimensions	7.83 x 6.73 x 3.94 inches
Item Weight	1.15 pounds
Wireless Standard	802.11ac
Frequency Band	Dual-Band
Special Feature	WPS (Wi-Fi Protected Setup)
Connectivity Technology	Ethernet, LTE, Wi-Fi
Manufacturer	Luqeeg

8. Safety Information

- Do not expose the device to water or moisture.
- Do not open or attempt to repair the device yourself. Refer all servicing to qualified personnel.
- Use only the provided power adapter. Using unauthorized adapters may damage the device and void the warranty.
- Keep the device away from extreme temperatures and direct sunlight.
- Ensure proper ventilation around the device to prevent overheating.

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