HUAWEI B535-232a

Huawei B535-232a 4G+ LTE-A Cat 7 Gigabit WiFi AC Router Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Huawei B535-232a 4G+ LTE-A Cat 7 Gigabit WiFi AC Router. Please read this manual thoroughly before using the device to ensure proper functionality and safety. This router is designed to provide high-speed internet access using 4G+ LTE-A mobile networks, distributing it via Wi-Fi and Gigabit Ethernet connections.

2. SAFETY INFORMATION

- Always use the provided power adapter. Using an incompatible adapter may damage the device or cause safety hazards.

- Do not expose the device to extreme temperatures (below 0°C or above 40°C) or high humidity.

- Keep the device away from water, fire, and corrosive substances.

- Do not attempt to disassemble, modify, or repair the device yourself. Contact authorized service personnel for assistance.

- Ensure proper ventilation around the device to prevent overheating.
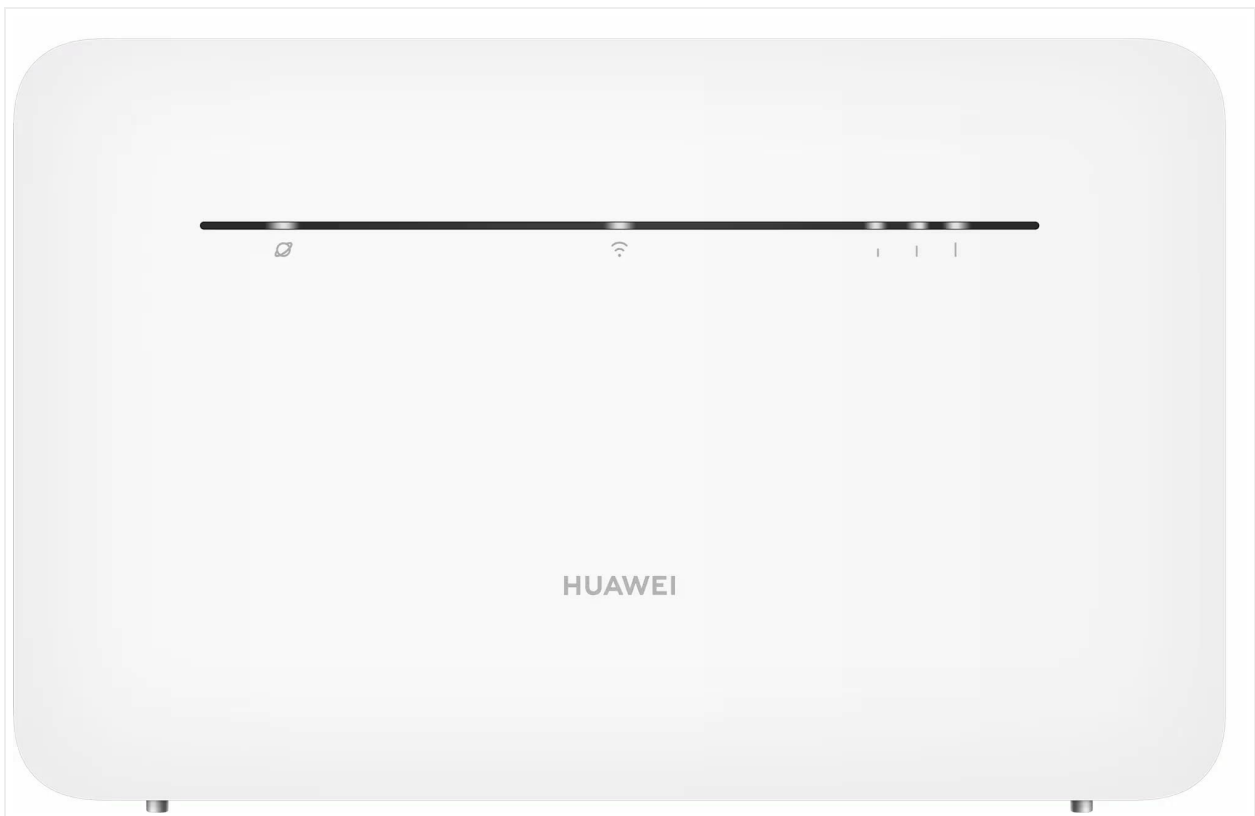
3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Huawei B535-232a Router

- 1 x Standard EU Power Adapter

- 1 x Quick Start Guide (this manual)

4. PRODUCT OVERVIEW

4.1 Front Panel and Indicators

The front panel features LED indicators that provide status information about the router's operation.

Front and angled view of the Huawei B535-232a router, showing the LED indicators. These indicators provide visual feedback on internet status, Ethernet connection, Wi-Fi activity, and 3G/4G/4G++ signal strength.

- **Internet Status LED:** Indicates the internet connection status.

- **Ethernet LED:** Lights up when an Ethernet device is connected.

- **WiFi LED:** Indicates Wi-Fi network activity.

- **Signal Strength LEDs (3 LEDs):** Show the strength of the 3G/4G/4G++ network signal. More LEDs lit indicate a stronger signal.

4.2 Rear Panel and Ports

The rear panel houses all the physical connection ports and control buttons.

Rear view of the Huawei B535-232a router, highlighting the power input, four Gigabit LAN ports (one of which doubles as a WAN port), two SMA connectors for external 4G antennas, and the SIM card slot.

- **Power Input:** Connect the provided power adapter here.
- **LAN Ports (RJ45 Gigabit):** Four ports for connecting wired devices. One port (LAN4/WAN) can function as either a LAN port or a WAN port for connecting to an existing broadband service.
- **SMA Connectors:** Two connectors for optional external 4G antennas to improve signal reception.
- **nanoSIM Card Slot:** Insert your nanoSIM card here.
- **Power On/Off Button:** Press to turn the router on or off.
- **WPS Button:** Use for quick and secure Wi-Fi connection with WPS-compatible devices.
- **RESET Button:** Press and hold to restore the router to factory default settings.

4.3 Top Panel

The top panel includes additional control buttons.

Top view of the Huawei B535-232a router, showing the power button and WPS button for easy access.

5. SETUP

5.1 Inserting the SIM Card

1. Ensure the router is powered off.

2. Locate the nanoSIM card slot on the rear panel.

3. Insert your nanoSIM card into the slot with the gold contacts facing down and the notched corner oriented correctly. Push until it clicks into place.

4. *Note: If your SIM card has a PIN, it is recommended to deactivate the PIN using a mobile phone before inserting it into the router for easier setup.*

5.2 Connecting Power

1. Connect the provided power adapter to the power input port on the rear of the router.

2. Plug the other end of the power adapter into a wall outlet.

5.3 Powering On

Press the Power On/Off button on the top or rear panel. The LED indicators on the front panel will light up as the router starts.

5.4 Initial Configuration

1. **Connect a Device:** Connect your computer or smartphone to the router via Wi-Fi (using the SSID and password printed on the router's label) or via an Ethernet cable to one of the LAN ports.

2. **Access Web Interface:** Open a web browser and enter the default IP address (usually192.168.8.1) into the address bar.

3. **Login:** Enter the default username and password (usuallyadmin for both, or as printed on the router's label).

4. **Follow Setup Wizard:** The router's web interface will guide you through the initial setup, including changing default passwords, configuring Wi-Fi settings, and checking internet connectivity.

5.5 External Antenna Connection (Optional)

If you experience weak 4G signal, you can connect external 4G antennas to the two SMA connectors on the rear panel. Ensure the router is powered off before connecting or disconnecting antennas.

6. OPERATING

6.1 Connecting to Wi-Fi

On your device (smartphone, laptop, tablet), search for available Wi-Fi networks. Select the SSID (network name) printed on the router's label and enter the Wi-Fi password (also on the label) to connect.

6.2 Connecting via Ethernet

Use a standard Ethernet cable to connect your wired devices (e.g., desktop computer, gaming console) to any of the LAN ports on the router's rear panel.

6.3 Accessing the Web Management Interface

To manage router settings, open a web browser and navigate to192.168.8.1. Log in with your credentials. From here, you can:

- Monitor network status and connected devices.
- Change Wi-Fi name (SSID) and password.
- Configure advanced network settings (DDNS, VPN client L2TP/PPTP).
- Manage SMS messages (receive and send).
- View detailed network information like Cell ID, RSRP, RSRQ, and SINR, which is useful for optimizing external antenna placement.

6.4 Using the AI LIFE Application

The Huawei AI LIFE application (available via AppGallery) can be used to manage your router from your smartphone, offering convenient control over various settings and monitoring features.

7. MAINTENANCE

7.1 Regular Reboots

Periodically restarting your router (e.g., once a month) can help clear temporary issues and improve performance. Simply power off the device, wait 30 seconds, and then power it back on.

7.2 Firmware Updates

Check the router's web management interface regularly for available firmware updates. Keeping your firmware up-to-date ensures optimal performance, security, and access to new features.

7.3 Cleaning

Use a soft, dry cloth to clean the exterior of the router. Do not use liquid cleaners or abrasive materials.

7.4 Factory Reset

If you encounter persistent issues or forget your login credentials, you can perform a factory reset. With the router powered on, use a pointed object (like a paperclip) to press and hold the RESET button on the rear panel for approximately 5-10 seconds until the LEDs flash. This will erase all custom settings and restore the router to its original factory defaults.

8. TROUBLESHOOTING

- **No Internet Connection:**

  - Check if the SIM card is correctly inserted and activated.
  - Verify the Internet Status LED on the front panel. If it's red or off, there might be a network issue or SIM card problem.
  - Ensure you have mobile data allowance.
  - Try restarting the router.

- **Slow Internet Speeds:**

  - Check the Signal Strength LEDs. A weak signal will result in slower speeds. Consider repositioning the router or using external antennas.
  - Access the web interface to view Cell ID, RSRP, RSRQ, and SINR values for detailed signal analysis.
  - Ensure no other devices are consuming excessive bandwidth.

- **Wi-Fi Connection Issues:**

  - Ensure the Wi-Fi LED is lit.
  - Verify the Wi-Fi name (SSID) and password.
  - Move closer to the router to improve signal strength.
  - Try changing the Wi-Fi channel in the router's settings to avoid interference.

- **Router Unresponsive:**

  - Perform a factory reset as described in Section 7.4.

9. SPECIFICATIONS

Model	B535-232a
4G/LTE Bands	FDD 700/800/900/1500/1800/2100/2600 MHz (Bands 1/3/7/8/20/28/32), TDD 38
4G+ Speed	Up to 400 Mbps Download, 100 Mbps Upload (Category 7, 2CA)
3G Bands	DC-HSPA+/HSPA+/UMTS 900/2100 MHz (Bands 1/8)
Wi-Fi Standard	802.11 a/b/g/n/AC (Dual-band 2.4GHz & 5GHz)
Max Wi-Fi Devices	Up to 64 (32 per band)
Ethernet Ports	4 x RJ45 Gigabit (1 LAN/WAN)
External Antenna	2 x SMA connectors for 4G antennas

SIM Card Type	nanoSIM
Dimensions (L x W x H)	2.79 x 24.64 x 16.51 cm
Weight	330 grams
Power Consumption	<12W
Voltage	12 Volts (AC)
Special Features	LED Indicators, DDNS, VPN Client (L2TP/PPTP), SMS Support, Cell ID/RSRP/RSRQ/SINR Information Page

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This Huawei B535-232a router comes with a **24-month warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects under normal use conditions.

10.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Huawei customer support through their official website or the contact information provided with your purchase. Ensure you have your product model number (B535-232a) and serial number ready when contacting support.