

HUAWEI B818-263

HUAWEI B818-263 4G+ LTE-A Gigabit WiFi AC Router User Manual

Model: B818-263

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your HUAWEI B818-263 4G+ LTE-A Gigabit WiFi AC Router. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

The HUAWEI B818-263 is a high-performance wireless gateway designed to provide fast and reliable internet access using 4G+ LTE-A technology. It supports advanced features such as Carrier Aggregation (up to 5 frequencies), Gigabit Ethernet ports, and dual-band Wi-Fi for multiple devices.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x HUAWEI B818-263 Router
- 1 x Standard EU Power Adapter
- 1 x Quick Start Guide (may be in English or other languages, full PDF manual available from seller)

3. PRODUCT OVERVIEW

3.1 Front Panel Indicators



Figure 1: Front view of the HUAWEI B818-263 router. This image displays the front panel with the HUAWEI logo at the top, followed by several LED indicators for signal strength, network status, Wi-Fi, LAN, and power. Below the LEDs is a button with a circular arrow icon, likely for WPS or reset.

- **Power LED:** Indicates power status.
- **Status LED:** Indicates internet connection status.
- **LAN LED:** Indicates LAN port activity.
- **WiFi LED:** Indicates Wi-Fi status.
- **Mode LED:** Indicates network mode (e.g., 4G, 3G).

- **Signal Strength LEDs (3):** Indicate the strength of the 3G/4G/4G++ network signal.

3.2 Rear Panel Ports and Buttons



Figure 2: Rear view of the HUAWEI B818-263 router. This image shows the back panel of the router, featuring two TS9 connectors labeled "MAIN" and "DIV" for external 4G antennas, a power button, two RJ45 Gigabit Ethernet ports (LAN1 and LAN2/WAN), an RJ11 telephone port, and the DC power input.

- **TS9 Connectors (2):** For external 4G antennas.
- **Power Button:** To turn the device on or off.

- **WPS Button:** For Wi-Fi Protected Setup.
- **RESET Button:** To restore factory settings.
- **RJ45 Gigabit Ports (2):** One LAN port, one configurable as LAN/WAN port.
- **RJ11 Port (1):** For connecting an analog or DECT phone for voice calls via SIM card.
- **microSIM Card Slot:** For inserting your mobile broadband SIM card.
- **Power Input:** For connecting the power adapter.

4. SETUP GUIDE

4.1 Inserting the microSIM Card

1. Ensure the router is powered off.
2. Locate the microSIM card slot on the device.
3. Insert your microSIM card into the slot with the gold contacts facing down and the notched corner oriented correctly. Push until it clicks into place.
4. *Important:* If your SIM card has a PIN, it is recommended to disable the PIN using a mobile phone before inserting it into the router for easier setup.

4.2 Connecting Power and Network Cables

1. Connect the provided power adapter to the router's power input port and then to a wall outlet.
2. Press the Power button to turn on the router. The Power LED should illuminate.
3. (Optional) Connect a computer or other network device to one of the RJ45 LAN ports using an Ethernet cable.
4. (Optional) Connect an analog or DECT phone to the RJ11 port for voice call functionality.

4.3 Initial Configuration (APN Settings)

After powering on, the router will attempt to connect to the mobile network. If it doesn't connect automatically, you may need to configure the Access Point Name (APN) settings manually.

1. Connect your computer or smartphone to the router's Wi-Fi network (SSID and password are usually found on a sticker on the router).
2. Open a web browser and navigate to the router's management interface, typically <http://192.168.1.1>.
3. Log in using the default username and password (refer to the sticker or quick start guide).
4. If the interface is in a language other than English (e.g., Finnish), look for a language selection option (often labeled "KIELI") and change it to English.
5. Navigate to the network settings or APN settings section.
6. Enter the APN for your mobile operator. Examples:
 - **SFR:** *websfr*
 - **Orange:** *orange* (username: *orange*, password: *orange*)
 - **Free Mobile:** *free*
 - **Bouygues Telecom:** Often auto-detects APN.
7. Save the settings. The router should now connect to the internet.
8. *Note on IPv6:* If you experience connectivity issues, especially with certain operators, ensure your connected devices are IPv6 compatible or configure the APN for IPv4 only if necessary.

5. OPERATING THE ROUTER

5.1 Wi-Fi Connectivity

The router supports Wi-Fi 802.11 a/b/g/n/AC on both 2.4GHz and 5GHz bands, supporting up to 64 devices simultaneously (32 on each band) with a range of up to 250 meters.

- **Connecting Devices:** Use the Wi-Fi SSID and password printed on the router's label to connect your devices.
- **Guest Wi-Fi:** The router supports a Guest Wi-Fi mode, which can be configured via the web interface to provide internet access to guests without giving them access to your main network.
- **WPS Function:** Press the WPS button on the router and on your WPS-enabled device to quickly establish a secure Wi-Fi connection without entering the password.

5.2 Voice Call Functionality (RJ11)

The RJ11 port allows you to make and receive calls using the SIM card's number. This feature supports VoIP/SIP configurations.

- Connect an analog or DECT phone to the RJ11 port.
- Calls will be routed through the SIM card.
- For VoIP/SIP, configure the settings in the router's web management interface.

5.3 Advanced Features

The router's web interface provides access to various advanced settings:

- **Bridge Mode:** Allows the router to function as a bridge.
- **IP and MAC Address Reservation:** Assign static IP addresses to specific devices.
- **LED Control:** Option to turn off router LEDs.
- **Frequency Selection:** Manually select preferred 4G frequencies.
- **Router IP Change:** Modify the router's default IP address.
- **DDNS:** Dynamic Domain Name System support.
- **Integrated VPN Client:** Supports L2TP and PPTP VPN protocols.
- **SMS Management:** Send and receive SMS messages via the interface.
- **Network Information:** View Cell ID, RSRP, RSRQ, and SINR for optimizing external antenna placement.

6. MAINTENANCE

6.1 Firmware Updates

Regularly check for firmware updates through the router's web management interface to ensure optimal performance and security. Follow the on-screen instructions for any available updates.

6.2 Cleaning

Clean the router with a soft, dry cloth. Do not use liquid cleaners or aerosols.

6.3 Resetting to Factory Settings

If you encounter persistent issues or wish to clear all configurations, you can perform a factory reset. Press and hold the RESET button on the rear panel for approximately 5-10 seconds until the LEDs flash. This will revert all settings to their default values.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Power LED | Power adapter not connected or faulty. | Ensure power adapter is securely connected to the router and a working power outlet. |
| No Internet Connection (Status LED off/red) | No SIM card, incorrect APN, poor signal, or network issue. | Verify SIM card is correctly inserted. Check APN settings in the web interface (Section 4.3). Relocate the router for better signal reception. Contact your mobile operator for network status. |
| Slow Internet Speed | Weak signal, network congestion, or router placement. | Check signal strength LEDs. Consider using external 4G antennas (TS9 ports). Place the router in an open area, away from obstructions. |
| Cannot Access Web Interface | Incorrect IP address, network connectivity issue, or router malfunction. | Ensure your device is connected to the router's Wi-Fi or LAN. Verify you are using the correct IP address (192.168.1.1). Try restarting the router. Perform a factory reset if necessary (Section 6.3). |

8. SPECIFICATIONS

| Feature | Description |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model | HUAWEI B818-263 |
| Network Compatibility | 4G / 4G++ LTE + LTE Advanced FDD 700/800/900/1500/1800/2100/2600 Mhz, TDD 2600Mhz (Bands 1/3/5/7/8/20/26/28/32/38/40/41) 4G++ 5CA up to 1.6 Gbit/s download, 150 Mbit/s upload (Category 19, 256QAM, LTE 8x8 MIMO, up to 5 frequency aggregation) 3G DC-HSPA+/HSPA+/UMTS 900/2100mhz (Bands 1/8) |
| Wi-Fi | 802.11 a/b/g/n/AC, Dual-band (2.4Ghz & 5Ghz), up to 64 devices simultaneously, up to 250m range. |
| External Antenna Ports | 2 x TS9 connectors for 4G external antennas. |
| Ethernet Ports | 2 x RJ45 Gigabit (10/100/1000) ports (1 LAN, 1 LAN/WAN). |
| Telephone Port | 1 x RJ11 port for analog/DECT phone (supports VoIP/SIP). |
| SIM Card Slot | microSIM. |

| Feature | Description |
|------------------------|-----------------------------------------------------------------------------|
| Dimensions (H x W x D) | 22.5 x 10.3 x 10.3 cm (approx. 8.86 x 4.06 x 4.06 inches). |
| Weight | 750g (approx. 1.65 lbs). |
| Max Power Consumption | <24W. |
| Management App | Huawei Hi-Link (Mobile WiFi) app (available on Apple Store or Google Play). |

9. WARRANTY AND SUPPORT

The product comes with a **24-month warranty**. For technical support or warranty claims, please contact the seller directly. A PDF manual in French is available upon request from the seller, and French after-sales service is offered. For further assistance, you can also utilize the Huawei Hi-Link (Mobile WiFi) application, available on both Apple Store and Google Play, to manage your device.