HUAWEI 51060HQA

Huawei 4G CPE 3 (B535-232a) User Manual

LTE 300Mbps, Wi-Fi AC1300, 4 Gigabit RJ45 Ports

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Huawei 4G CPE 3 (Model B535-232a) router. This device is designed to provide high-speed internet connectivity using 4G LTE, offering speeds up to 300Mbps, and features Wi-Fi AC1300 for robust wireless performance. It includes four Gigabit RJ45 ports for wired connections and can be managed via the Huawei AI Life App.
Key features include dual-band Wi-Fi (2.4GHz and 5GHz) that automatically selects the optimal frequency, and multiple connection types for versatile use in various environments.

2. Product Overview

The Huawei 4G CPE 3 is a compact and powerful router designed for seamless internet access. It features a clean, white design with indicator lights on the top panel and various ports on the rear for connectivity.

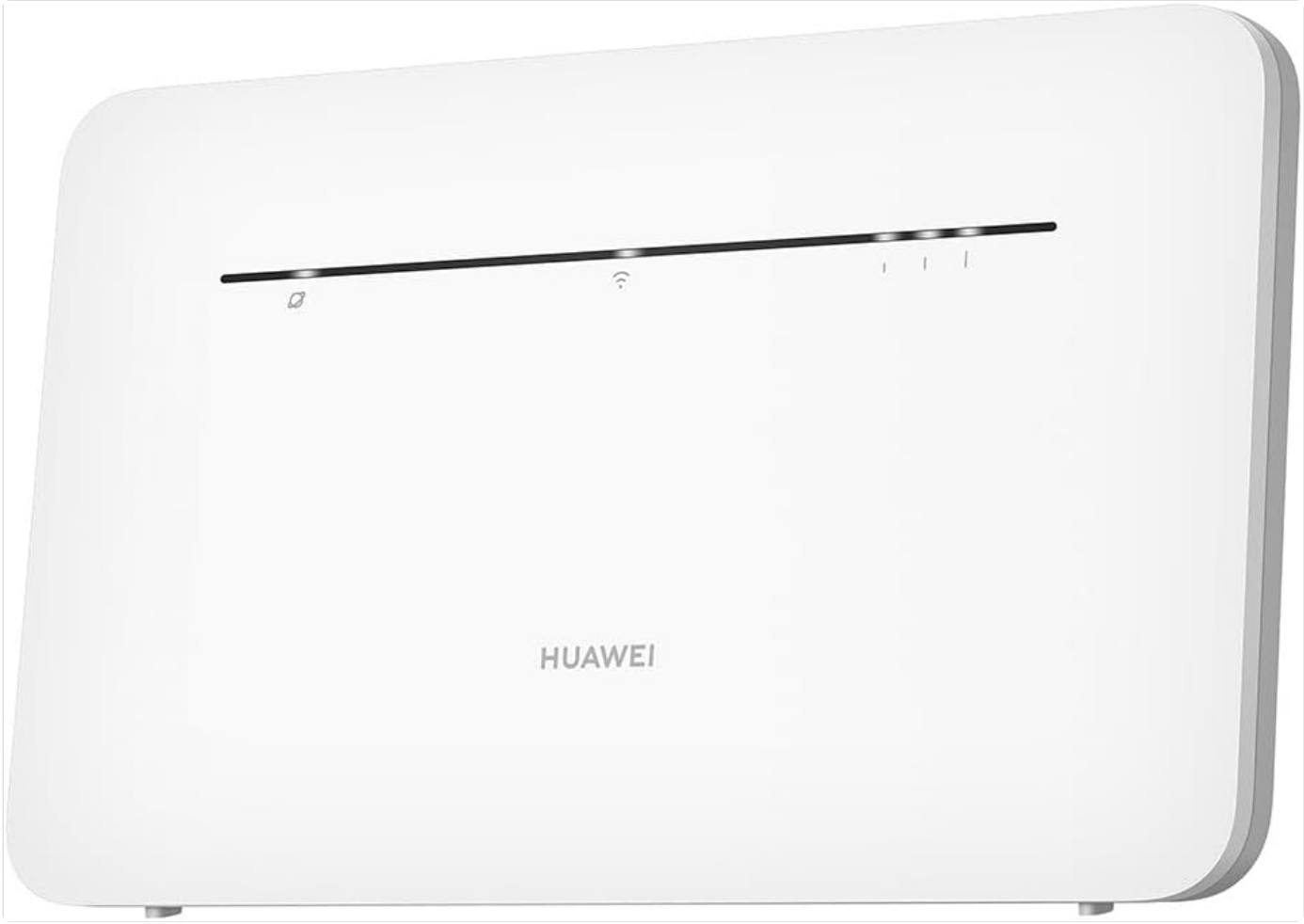


Figure 2.1: Front view of the Huawei 4G CPE 3 router. The image displays the white rectangular device with a horizontal line of indicator lights on the top surface, including icons for power, Wi-Fi, and signal strength. The "HUAWEI" logo is visible on the front face.

2.1. Components and Indicators

- **Power Indicator:** Indicates the power status of the device.
- **Wi-Fi Indicator:** Shows the status of the Wi-Fi network.
- **Signal Strength Indicators:** Multiple lights indicating the strength of the 4G signal.
- **SIM Card Slot:** For inserting a Nano-SIM card.
- **RJ45 Ports:** Four Gigabit Ethernet ports for wired connections to computers, smart TVs, etc.
- **Power Port:** For connecting the power adapter.
- **External Antenna Connections:** Two ports for optional external antennas to enhance signal reception.

3. Setup Guide

Setting up your Huawei 4G CPE 3 is a straightforward process. Follow these steps to get your device up and running:

1. **Insert SIM Card:** Locate the Nano-SIM card slot on the device. Carefully insert your Nano-SIM card until it clicks into place. Ensure the SIM card is inserted correctly according to the diagram near the slot.
2. **Connect Power:** Connect the provided power adapter to the power port on the router and then plug it into a power outlet. The power indicator light should illuminate.
3. **Power On:** The device will automatically power on. Wait for the indicator lights to stabilize. The signal strength indicators should show a stable connection, and the Wi-Fi indicator should be on.
4. **Initial Configuration (Optional):**
    - **Via Wi-Fi:** On your computer or smartphone, search for the Wi-Fi network name (SSID) printed on the label at

the bottom of the router. Connect to this network using the default Wi-Fi password (also on the label).
    - **Via Ethernet:** Connect an Ethernet cable from one of the RJ45 ports on the router to your computer's Ethernet port.
    - Open a web browser and enter the default IP address (e.g., 192.168.8.1) found on the router's label. Follow the on-screen instructions to complete the initial setup, which may include changing the default Wi-Fi name and password, and setting up administrator credentials.
5. **Huawei AI Life App:** For easier management and advanced settings, download the Huawei AI Life App from your device's app store. Connect your smartphone to the router's Wi-Fi network and follow the app's instructions to add and manage your router.

The device is designed for plug-and-play functionality, meaning in most cases, once the SIM card is inserted and power is connected, the internet connection will be available automatically.

4. Operating Instructions

4.1. Wi-Fi Connectivity

The router supports dual-band Wi-Fi (2.4GHz and 5GHz). It intelligently integrates both bands into a single network name and automatically selects the optimal frequency for your connected devices based on real-time conditions, ensuring the best possible wireless performance.

- To connect a device, select the Wi-Fi network name (SSID) from your device's Wi-Fi settings and enter the password.
- For optimal performance, ensure your devices are within the router's Wi-Fi range.

4.2. Wired Connectivity

Utilize the four Gigabit RJ45 ports on the back of the router to connect devices that require a stable wired connection, such as desktop computers, gaming consoles, or smart TVs. Simply connect an Ethernet cable from the device to any of the available RJ45 ports on the router.

4.3. Flexible Connection Types

The Huawei 4G CPE 3 offers versatile connectivity options, making it suitable for various scenarios:

- **Home Internet:** Provides reliable internet for all your home devices.
- **Small Business:** Ideal for small office environments requiring stable and fast internet.
- **Remote Locations:** Excellent for areas with limited wired infrastructure, relying on 4G networks.
- **On-the-Go:** Its portability allows you to take your office or internet connection with you while traveling.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Huawei 4G CPE 3 router.

- **Cleaning:** Regularly wipe the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the router is placed in a well-ventilated area, away from direct sunlight and heat sources, to prevent overheating. Do not block the ventilation openings.
- **Firmware Updates:** Periodically check for firmware updates via the Huawei AI Life App or the web management interface. Keeping the firmware updated can improve performance, security, and add new features.
- **Restarting:** If you experience connectivity issues, try restarting the router by unplugging the power adapter, waiting 10 seconds, and then plugging it back in.

6. Troubleshooting

This section addresses common issues you might encounter with your Huawei 4G CPE 3 router.

Problem	Possible Cause	Solution
No Power Indicator Light	Power adapter not connected or faulty power outlet.	Ensure the power adapter is securely connected to the router and a working power outlet. Try a different outlet.
No Internet Connection (Signal Indicator Off/Red)	No SIM card, incorrect SIM card insertion, no 4G signal, or SIM card issues.	Verify the Nano-SIM card is correctly inserted. Check if your SIM card has an active data plan. Move the router to a location with better 4G signal reception. If signal is consistently weak, consider connecting external 4G antennas to the dedicated ports. Restart the router.
Wi-Fi Not Visible or Cannot Connect	Wi-Fi disabled, incorrect password, or interference.	Ensure the Wi-Fi indicator light is on. Verify you are entering the correct Wi-Fi password (SSID and password are on the router's label). Try restarting the router. Check for Wi-Fi settings via the web management interface or AI Life App.
Slow Internet Speed	Weak 4G signal, network congestion, or too many connected devices.	Relocate the router to improve 4G signal strength. Limit the number of active devices or bandwidth-intensive activities. Consider using external antennas if signal is consistently low.

7. Specifications

Feature	Detail
Model Name	51060HQA (B535-232a)
Brand	HUAWEI
Product Dimensions	21.9 x 13.8 x 2.56 cm
Weight	330 g
Connectivity Technology	Wi-Fi, Ethernet
Wireless Communication Standard	802.11n, 802.11b, 802.11a, 802.11ac, 802.11g
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Special Features	Two External Antenna Connections
Compatible Devices	Computer, Tablet, Smartphone

Feature	Detail
Recommended Uses	Home, Small Business, Remote Locations
Included Components	CPE, Socket, Power supply adaptor, Quick Start Guide, Ethernet cable, Phone cable, Warranty card

8. Warranty and Support

Your Huawei 4G CPE 3 router comes with a warranty. Please refer to the included**Warranty Card** for detailed terms and conditions, including the warranty period and coverage.
For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Huawei Customer Service. You can find contact information on the Huawei official website or through the Huawei AI Life App.
It is recommended to register your product online to receive updates and support notifications.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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