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› GOWENIC 5G CPE Router User Manual

GOWENIC GOWENICo813xmh5gw-12

GOWENIC 5G CPE Router User Manual

Model: GOWENICo813xmh5gw-12

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your GOWENIC 5G CPE Router. Please read this manual thoroughly before using the device to ensure proper functionality and safety. The GOWENIC 5G CPE Router is a versatile device designed to provide high-speed 5G cellular network access and dual-band Wi-Fi connectivity for up to 64 users. Its compact design and advanced features make it suitable for both home and office environments.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x GOWENIC 5G CPE Router
- 1 x Power Cord
- 1 x Instruction Manual (this document)
- 1 x Network Cable



Image: GOWENIC 5G CPE Router with its power cord and network cable.

PRODUCT OVERVIEW

Familiarize yourself with the router's components and indicators.

Equipment instructions

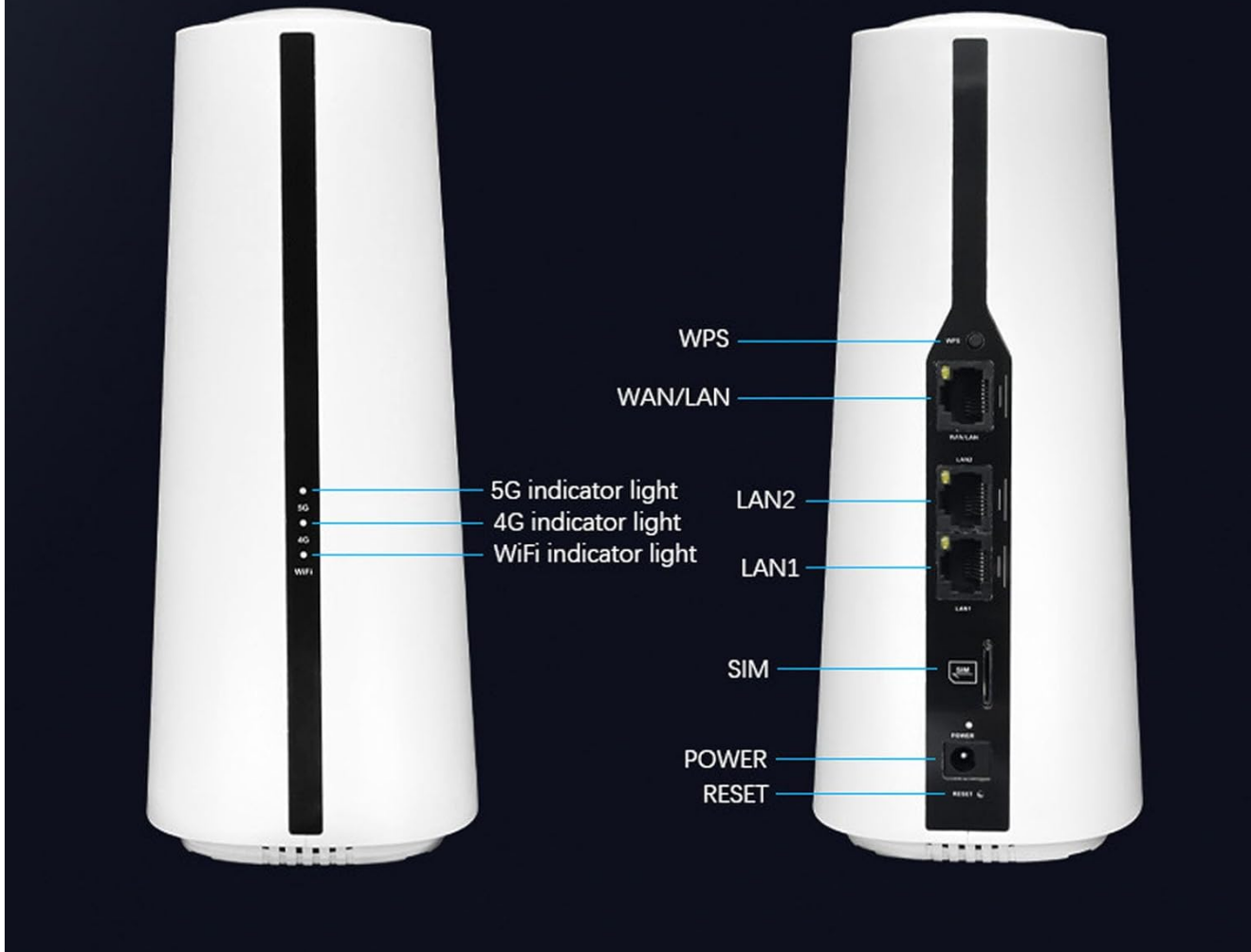


Image: Front and rear panels of the router, highlighting the WPS button, WAN/LAN ports, LAN1/LAN2 ports, SIM card slot, Power port, and Reset button. LED indicators for 5G, 4G, and WiFi are visible on the front.

Front Panel Indicators:

- **5G Indicator Light:** Indicates 5G network status.
- **4G Indicator Light:** Indicates 4G network status.
- **WiFi Indicator Light:** Indicates Wi-Fi activity.

Rear Panel Ports and Buttons:

- **WPS Button:** For easy Wi-Fi Protected Setup.
- **WAN/LAN Port:** Connects to an external modem or acts as a LAN port.
- **LAN1/LAN2 Ports:** For wired network connections.
- **SIM Card Slot:** Insert your Micro SIM card here for cellular connectivity.
- **POWER Port:** Connect the power adapter.
- **RESET Button:** Press and hold to restore factory settings.

SETUP INSTRUCTIONS

Follow these steps to set up your 5G CPE Router:

1. **Insert SIM Card:** Locate the SIM card slot on the rear panel. Carefully insert a Micro SIM card into the slot until it clicks into place. Ensure the SIM card is correctly oriented.
2. **Connect Power:** Connect the provided power cord to the POWER port on the router and then plug the adapter into a power outlet. The router will power on automatically.
3. **Power On:** Wait for the router to boot up. The indicator lights on the front panel will illuminate, indicating network and Wi-Fi status.
4. **Connect Devices:**
 - **Wireless Connection:** Search for the router's Wi-Fi network name (SSID) on your device (phone, laptop, etc.) and connect using the default Wi-Fi password (usually found on a label on the router).
 - **Wired Connection:** Use the provided network cable to connect your computer or other network device to one of the LAN ports (LAN1 or LAN2) on the router.
5. **Access Internet:** Once connected, your devices should automatically obtain an IP address and have internet access via the 5G cellular network.



Image: The GOWENIC 5G CPE Router, ready for setup.

OPERATING INSTRUCTIONS

Wi-Fi Connectivity

The router supports dual-band Wi-Fi (2.4GHz and 5.8GHz) with a bandwidth of up to 1800Mbps, allowing for stable connections for multiple devices. It can support up to 64 users simultaneously.

Maximum user connection 64 bit



Image: The router providing connectivity to multiple devices, demonstrating its capacity for up to 64 users.

Web Management Interface

To configure advanced settings, access the router's web management interface:

1. Connect your device to the router's Wi-Fi or via an Ethernet cable.
2. Open a web browser and enter the default IP address (e.g., 192.168.1.1 or 192.168.0.1, check the router label for the exact address).
3. Enter the default username and password (also typically found on the router label).
4. From the interface, you can change Wi-Fi names, passwords, manage connected devices, and configure other network settings.

Seamless Roaming

The router supports seamless roaming under mixed backhaul, allowing you to choose between wired and wireless backhaul modes for flexible deployment in various indoor scenarios. This ensures a stable wireless connection as you move within your network coverage.

SPECIFICATIONS

Feature	Detail
Brand	GOWENIC
Model Name	GOWENICo813xmh5gw-12
Connectivity Technology	5G, LTE
Frequency Band Class	Dual-Band (2.4G, 5.8G)
Wireless Communication Standard	802.11a
Data Transfer Rate	1800 Megabits Per Second
LAN Port Bandwidth	1800 Mbps
Maximum Upstream Data Transfer Rate	1800 Megabits Per Second
Supported Users	Up to 64
SIM Card Slot	Micro SIM Card (not included)
Security Protocol	WPA2, WPA3
Number of Ports	1 WAN/LAN, 2 LAN
Item Weight	693 Grams
Dimensions (Approx.)	106x84x205mm / 4.2x3.3x8.1in
Operating System	ZyNOS
5G NR NSA Bands	N41, N78, N79
5G NR SA Bands	N1, N28, N41, N77, N78, N79
LTE-FDD Bands	B1, B2, B3, B5, B7, B8, B20, B28
LTE-TDD Bands	B34, B38, B39, B40, B41
WCDMA Bands	B1, B2, B5, B8

Product size

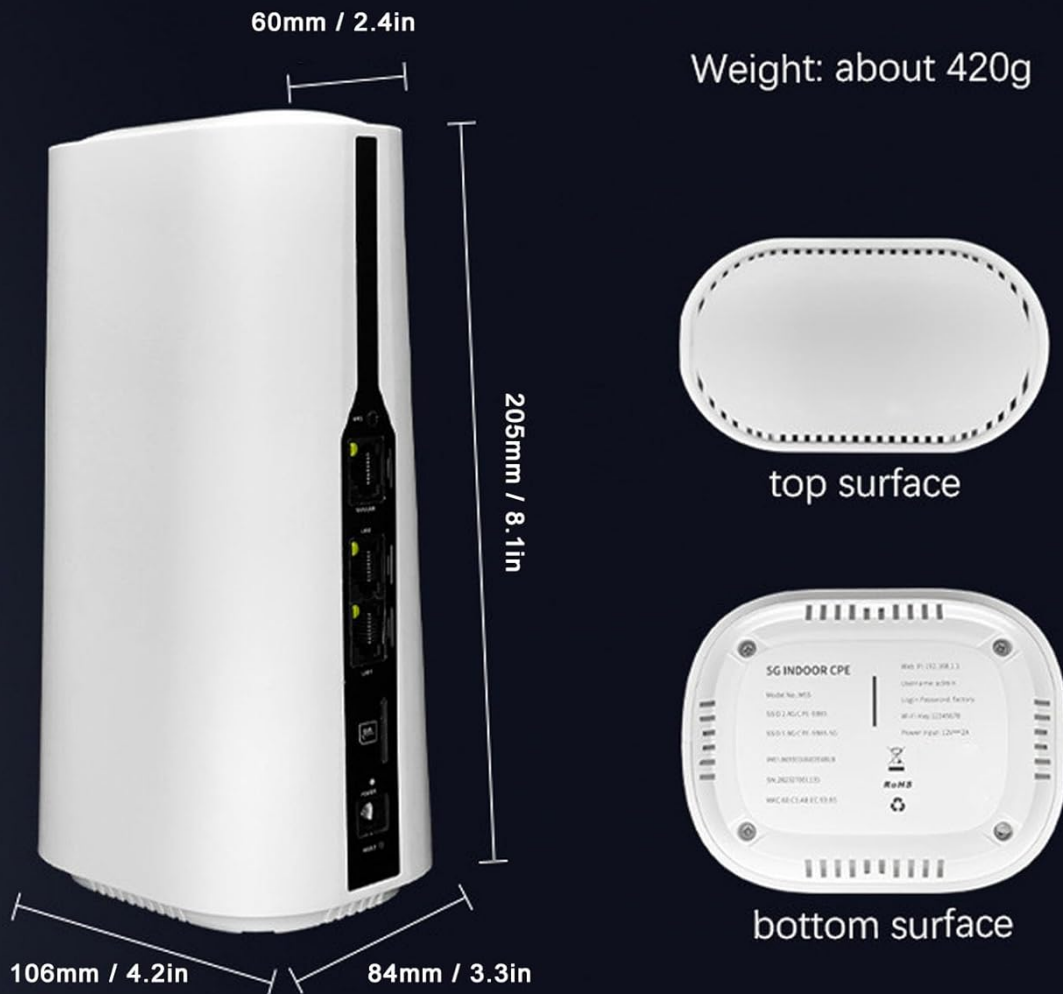


Image: Product dimensions and weight, with top and bottom views.

TROUBLESHOOTING

If you encounter issues with your router, refer to the following common solutions:

- **No Internet Connection:**

- Ensure the SIM card is correctly inserted and active.
- Check the 5G/4G indicator light. If it's off or red, there might be a network issue or SIM card problem.
- Restart the router by unplugging and re-plugging the power cord.
- Verify your cellular data plan is active and has sufficient data.

- **Wi-Fi Not Visible or Cannot Connect:**

- Check the Wi-Fi indicator light.
- Ensure your device is within range of the router.

- Verify the Wi-Fi password.
- Try restarting the router.
- **Slow Internet Speed:**
 - Check the signal strength of your 5G/4G connection.
 - Reduce the number of connected devices or bandwidth-intensive activities.
 - Ensure the router is placed in an open area, away from obstructions and interference sources.
- **Cannot Access Web Management Interface:**
 - Ensure your device is connected to the router's network.
 - Verify the IP address, username, and password.
 - Try a different web browser.
- **Factory Reset:** If problems persist, press and hold the RESET button on the rear panel for about 10 seconds until the lights flash. This will restore the router to its factory default settings.

MAINTENANCE

To ensure the longevity and optimal performance of your GOWENIC 5G CPE Router, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the router. Do not use liquid cleaners or aerosols.
- **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:** Periodically check the manufacturer's website or the router's web management interface for available firmware updates. Keeping the firmware updated can improve performance, security, and add new features.
- **Avoid Obstructions:** Ensure that the router's ventilation openings are not blocked to prevent overheating.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official GOWENIC website. Keep your purchase receipt for warranty claims.

If you require further assistance, please contact GOWENIC customer support.