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› Intelbras GX 3000 Wireless Mesh Router User Manual

intelbras GX 3000

Intelbras GX 3000 Wireless Mesh Router User Manual

Model: GX 3000

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1. INTRODUCTION

The Intelbras GX 3000 is a multifunction wireless mesh router designed to provide high-speed internet connectivity via 5G/4G networks and Wi-Fi 6. This device integrates advanced Qualcomm technology for both its 5G modem and Wi-Fi 6 solution, ensuring high performance and reliability. It supports up to 128 devices simultaneously on the Wi-Fi network and offers wired connectivity options. The GX 3000 is suitable for various environments, from home to office, providing robust network performance.

This manual provides instructions for setting up, operating, and maintaining your Intelbras GX 3000 router. Please read it carefully before use.

2. PACKAGE CONTENTS & DEVICE OVERVIEW

2.1. Package Contents

- Intelbras GX 3000 Wireless Mesh Router
- Power Adapter
- Network Cable
- Quick Start Guide (not included in this manual)

2.2. Device Overview

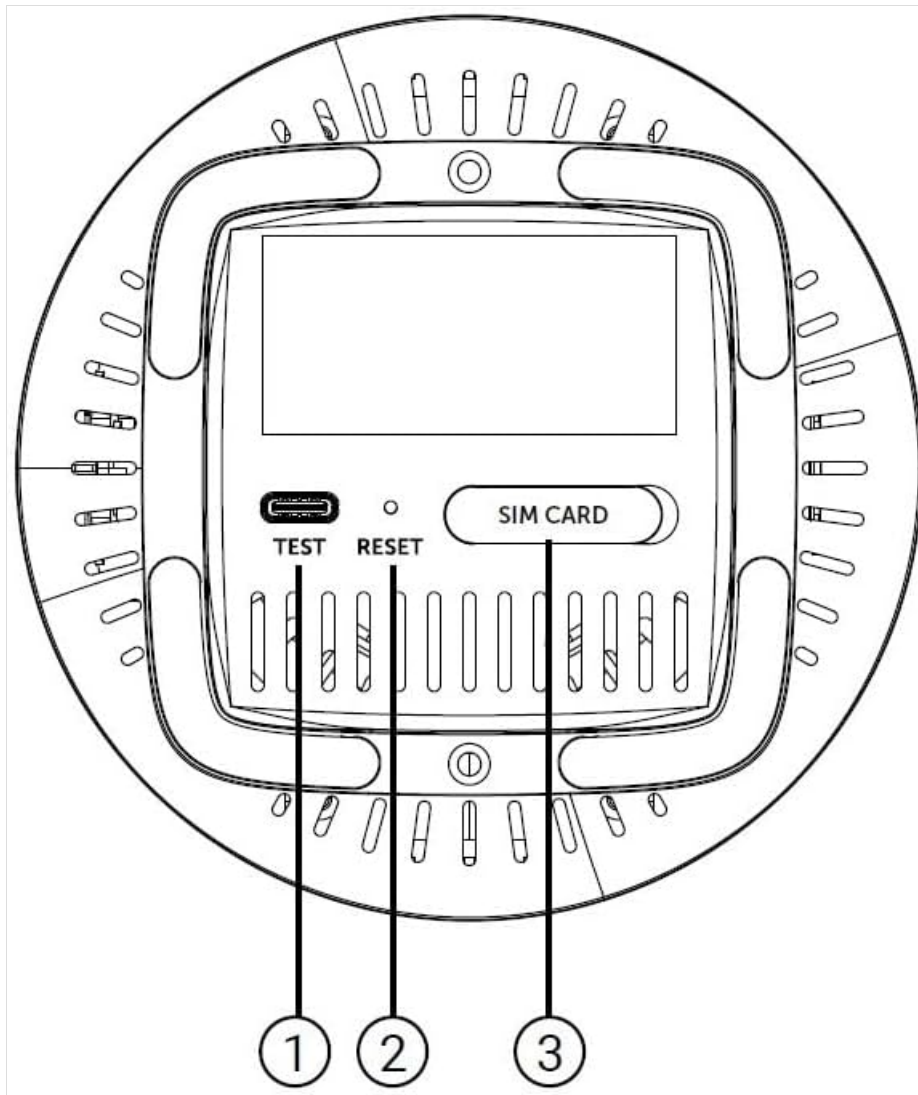


Figure 1: Front View of the GX 3000 Router

This image displays the front of the Intelbras GX 3000 router, showing its sleek white design and LED indicators for 5G, 4G, call status, Wi-Fi, and WPS button.



Figure 2: GX 3000 Router with Highlighted Indicators and Ports

This image provides a closer look at the router, emphasizing the LED indicators on the front (5G, 4G, Call, Wi-Fi, WPS) and the various ports located on the rear panel, including LAN, WAN, and TEL ports.

2.2.1. Rear Panel Ports



Figure 3: Rear Panel of the GX 3000 Router

This image shows the rear panel of the router, clearly displaying the LAN, WAN, and TEL ports for wired connections.

- **LAN Ports:** For connecting wired devices such as computers, smart TVs, or gaming consoles.
- **WAN Port:** For connecting to an external modem or internet source (if not using 5G/4G).
- **TEL Port:** For voice services (if supported by your service provider).
- **Power Input:** Connects to the included power adapter.

2.2.2. Bottom Panel Features



Figure 4: Bottom Panel Features of the GX 3000 Router

This diagram illustrates the bottom panel of the router, highlighting the TEST port, RESET button, and SIM CARD slot.

- **TEST Port:** For diagnostic purposes.
- **RESET Button:** Used to restore factory default settings. Press and hold for 10 seconds while the device is powered on.
- **SIM CARD Slot:** Insert your 5G/4G SIM card here for mobile broadband connectivity.

3. SETUP

3.1. Initial Placement

Place the router in a central location within your desired coverage area, away from obstructions, metal objects, and other electronic devices that may cause interference. Ensure good ventilation around the device.

3.2. Inserting the SIM Card

1. Ensure the router is powered off.
2. Locate the SIM CARD slot on the bottom panel of the router (refer to Figure 4).
3. Insert your activated 5G/4G SIM card into the slot with the gold contacts facing down and the notched corner oriented correctly. Push until it clicks into place.
4. To remove, gently push the SIM card in again until it springs out.

3.3. Connecting Power

1. Connect one end of the power adapter to the Power Input port on the rear of the router.
2. Plug the other end of the power adapter into a standard electrical outlet.
3. The router will power on automatically. Wait for the LED indicators to stabilize.

3.4. Wired Connections (Optional)

If you wish to connect devices via Ethernet:

1. Connect one end of the provided network cable to a LAN port on the rear of the router.
2. Connect the other end of the network cable to the Ethernet port of your computer, smart TV, or other wired device.

3.5. Initial Wi-Fi Connection

The default Wi-Fi network name (SSID) and password are usually printed on a label on the bottom of the router. Follow these steps to connect:

1. On your wireless device (smartphone, laptop, tablet), open the Wi-Fi settings.
2. Scan for available networks and select the SSID corresponding to your GX 3000 router.
3. Enter the default Wi-Fi password when prompted.
4. Once connected, you can access the router's web interface to customize settings.

4. OPERATING INSTRUCTIONS

4.1. LED Indicators

The front panel LEDs provide status information:

- **5G LED:** Indicates 5G network status.
- **4G LED:** Indicates 4G network status.
- **Call LED:** Indicates voice service status.
- **Wi-Fi LED:** Indicates Wi-Fi network activity.
- **WPS LED:** Indicates WPS function status.

Refer to the full user manual (if provided separately) for detailed LED behavior (e.g., solid, blinking, color) and their meanings.

4.2. Accessing the Web Management Interface

To configure advanced settings, manage your network, or change Wi-Fi credentials, access the router's web interface:

1. Ensure your device is connected to the GX 3000's Wi-Fi network or via an Ethernet cable.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. In the address bar, type the default IP address of the router (commonly 192.168.1.1 or 192.168.0.1) and press Enter. This information is usually on the label on the bottom of the router.
4. Enter the default username and password (also found on the router label).

5. You will now be in the router's management interface, where you can customize settings such as Wi-Fi name, password, security protocols, and more.

4.3. Wi-Fi Protected Setup (WPS)

WPS allows you to connect Wi-Fi devices without entering the password manually:

1. Press the WPS button on the front of the GX 3000 router (refer to Figure 1). The WPS LED will start blinking.
2. Within two minutes, press the WPS button on your client device (e.g., Wi-Fi adapter, printer).
3. The devices will automatically connect.

Note: WPS is a convenient feature but may be less secure than manual password entry.

4.4. Mesh Network Expansion

The GX 3000 supports mesh networking to expand Wi-Fi coverage. You can add other compatible Intelbras Qi5 line products to create a seamless mesh network. Each additional Wi-Fi 6 router can extend coverage by up to 300 m². It is recommended to use up to 6 routers in the same mesh network for optimal performance.

Refer to the specific instructions provided with additional mesh units for pairing and configuration.

5. MAINTENANCE

5.1. Cleaning the Device

- Ensure the router is powered off and unplugged before cleaning.
- Use a soft, dry cloth to wipe the exterior of the device.
- Do not use liquid cleaners, aerosols, or solvents, as they may damage the casing or internal components.
- Keep ventilation openings clear of dust and debris.

5.2. Firmware Updates

Periodically check the Intelbras official website for firmware updates. Firmware updates can improve performance, add new features, and enhance security. Follow the instructions provided with the firmware update package carefully.

5.3. Resetting to Factory Defaults

If you encounter persistent issues or forget your login credentials, you can reset the router to its factory default settings:

1. With the router powered on, locate the RESET button on the bottom panel (refer to Figure 4).
2. Using a paperclip or a similar pointed object, press and hold the RESET button for approximately 10 seconds.
3. Release the button. The router will restart with all settings restored to their original factory defaults.
4. You will need to reconfigure your Wi-Fi settings and any other custom configurations after a factory reset.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power / Router not turning on	Power adapter not connected or faulty; Power outlet not working.	<ul style="list-style-type: none"> • Ensure the power adapter is securely connected to the router and the electrical outlet. • Test the power outlet with another device. • Try a different power adapter if available and compatible.
No internet connection (5G/4G)	SIM card not inserted correctly; SIM card not activated; No 5G/4G signal; Service provider issue.	<ul style="list-style-type: none"> • Verify the SIM card is correctly inserted and activated with your service provider. • Check the 5G/4G LED indicator status. • Relocate the router to an area with better mobile signal reception. • Contact your mobile service provider to confirm service status.
Cannot connect to Wi-Fi	Incorrect Wi-Fi password; Wi-Fi disabled; Device too far from router.	<ul style="list-style-type: none"> • Ensure you are entering the correct Wi-Fi password. • Check the Wi-Fi LED indicator. If off, Wi-Fi might be disabled in the web interface. • Move closer to the router. • Try restarting the router.
Slow internet speed	Network congestion; Poor signal strength; Interference; Outdated firmware.	<ul style="list-style-type: none"> • Reduce the number of active devices or bandwidth-intensive activities. • Optimize router placement for better signal. • Check for sources of interference (e.g., microwaves, cordless phones). • Update router firmware to the latest version. • Consider adding mesh units for extended coverage.
Forgot web interface password	Password forgotten or changed.	<ul style="list-style-type: none"> • Perform a factory reset (refer to Section 5.3). Note that this will erase all custom settings.

7. SPECIFICATIONS

Feature	Detail
Brand	Intelbras
Model	GX 3000
Connectivity Technology	5G, 4G, Wi-Fi 6 (802.11a/b/g/n/ac/ax)
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11a
Data Transfer Rate	Up to 900 Megabits Per Second
LAN Port Bandwidth	1000 Mbps (Gigabit Ethernet)
Antenna Type	Internal
Compatible Devices	Computer, Notebook, Tablet, Smart TV
Special Features	Remote Access, Mesh Wi-Fi capability
Color	White
Item Weight	1000 Grams
Included Components	Power supply, Network cable
Anatel Homologation Number	13571-22-00180

8. WARRANTY & SUPPORT

8.1. Warranty Information

Intelbras products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Intelbras website. Keep your proof of purchase for warranty claims.

8.2. Technical Support

If you require technical assistance or have questions not covered in this manual, please contact Intelbras customer support. You can find contact information (phone numbers, email, support portal) on the official Intelbras website:

Intelbras Official Website: www.intelbras.com.br

When contacting support, please have your product model (GX 3000) and serial number ready.

