

## GL.iNet GL-X2000

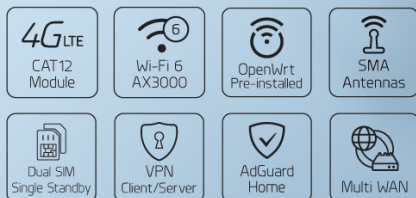
# GL.iNet GL-X2000 (Spitz Plus) Cellular Gateway 4G LTE Router User Manual

Model: GL-X2000 (Spitz Plus)

## 1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, and maintaining your GL.iNet GL-X2000 (Spitz Plus) Cellular Gateway 4G LTE Router. The GL-X2000 is a high-performance Wi-Fi 6 router designed for reliable cellular network access, offering advanced features such as Dual-SIM support, Multi-WAN, and integrated VPN capabilities. Please read this manual thoroughly before using the device.

### Excellent Network Experience With Advanced **Spitz Plus Wi-Fi 6 Router**



The GL.iNet GL-X2000 (Spitz Plus) router on a wooden desk, surrounded by icons representing its features like 4G LTE CAT 12, Wi-Fi 6 AX3000, OpenWrt, SMA Antennas, Dual SIM, VPN Client/Server, AdGuard Home, and Multi-WAN.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your GL-X2000 (Spitz Plus) package:

- 1 x GL-X2000 (Spitz Plus) Router
- 1 x Power Adapter
- 1 x Ethernet Cable
- 1 x User Manual
- 1 x Wall Mount Kit
- 4 x External Antennas

# Inside the Box

Package contents of Spitz Plus router kit



1 x User manual



1 x Thank you card



1 x RJ45 Ethernet cable



1 x Power adapter  
(1.8 meters)



1 x External antennas



1 x Wall mount kit



1 x Adhesive pad



1 x Spitz Plus (GL-X2000)



Converters (US)

A layout of all items included in the GL-X2000 (Spitz Plus) router package: router, power adapter, Ethernet cable, user manual, wall mount kit, external antennas, and converters.

## 3. PRODUCT OVERVIEW

### 3.1 Device Layout

The GL-X2000 (Spitz Plus) features multiple ports and indicators for easy setup and monitoring.



Main product image of the GL-X2000 (Spitz Plus) router with four external antennas.

### 3.2 Ports and Indicators

- **Power Port:** Connects to the included power adapter.
- **WAN/LAN Ports:** Ethernet ports for wired internet connection (WAN) or connecting to local devices (LAN).
- **SIM Card Slots (SIM1, SIM2):** For inserting Nano-SIM cards for cellular connectivity.
- **Antenna Connectors:** Four SMA connectors for attaching the external 4G LTE and Wi-Fi 6 antennas.
- **LED Indicators:** Provide status updates for power, Wi-Fi, and cellular signal strength.

# WAN Failover

Keep Network Always Online And Stable



Close-up of the router's rear ports, highlighting WAN/LAN Ethernet ports and dual SIM card slots, illustrating WAN Failover capability.

# Network Customization

Interchangeable SMA Antennas For Your Choice



*\*Change External Antennas Freely*

Close-up of the router's interchangeable SMA antennas, showing both 4G LTE and Wi-Fi 6 labeled antennas.

## 4. SETUP GUIDE

### 4.1 Hardware Installation

1. **Attach Antennas:** Screw the four external antennas onto the SMA connectors on the router. Ensure they are securely fastened.
2. **Insert SIM Card(s):** Open the SIM card slot cover. Insert one or two Nano-SIM cards into the designated slots (SIM1, SIM2) with the gold contacts facing down and the notched corner oriented correctly. Close the cover.
3. **Connect Power:** Connect the power adapter to the router's power port and then plug it into an electrical outlet. The router will power on automatically.
4. **Optional Ethernet Connection:** If using a wired WAN connection, connect an Ethernet cable from your modem to the router's WAN port. If connecting a wired device to the router, use a LAN port.

# Dual SIM Single Standby

Automatic Network Failover, Network Stable Even Outdoor



A hand inserting a SIM card into one of the dual SIM slots on the router, emphasizing Dual SIM Single Standby and optional eSIM support.

## 4.2 Initial Configuration

1. **Connect to Wi-Fi:** On your computer or mobile device, connect to the router's default Wi-Fi network. The SSID (network name) and password are typically printed on a label on the bottom of the router.
2. **Access Admin Panel:** Open a web browser and navigate to <http://192.168.8.1>.
3. **Set New Password:** Follow the on-screen prompts to set a new administrator password for the router.
4. **Configure Internet Connection:** The router will guide you through setting up your internet connection. For cellular connections, ensure your SIM card is active and the APN settings are correct (these are often auto-detected).

## 5. OPERATING INSTRUCTIONS

## 5.1 Network Modes

The GL-X2000 (Spitz Plus) supports various operating modes:

- **Router Mode:** The default mode, providing internet access via cellular or WAN and distributing it to connected devices.
- **Access Point (AP) Mode:** Extends an existing wired network wirelessly.
- **Repeater Mode:** Extends the range of an existing Wi-Fi network.

## 5.2 Dual-SIM Functionality

The router supports two SIM cards for enhanced flexibility and reliability. You can configure:

- **Primary/Secondary:** Designate one SIM as primary and the other as a backup for automatic failover.
- **Load Balancing:** Distribute network traffic across both SIMs (if supported by your carriers and plan).

## 5.3 Multi-WAN

Utilize multiple internet connection methods simultaneously, including cellular, Ethernet, and Wi-Fi repeater. The Multi-WAN feature allows for load balancing or failover between these connections, ensuring continuous internet access.

## 5.4 VPN Setup

The GL-X2000 comes with OpenVPN and WireGuard pre-installed, supporting over 30 VPN service providers. This encrypts all network traffic within the connected network, enhancing privacy and security.

- **OpenVPN:** Max. speed of 30 Mbps (via Ethernet).
- **WireGuard:** Max. speed of 190 Mbps (via Ethernet).

*Note: Speed tests are conducted on a local network. Real-world speeds may vary based on network configuration and VPN service.*

# Protect Your Privacy with VPN

Support 30+ VPN Service Providers



**WireGuard®**  
(Via Ethernet)

**Max. 190Mbps**

**OpenVPN**  
(Via Ethernet)

**Max. 30Mbps**

*\* Tests conducted on a local network. Real world speeds may differ depending on your network configuration.*

*\* OpenVPN and WireGuard speeds will be slower when running the device as a server. Results above are in client mode.*

Image of the router on a desk with shield icons representing VPN protection, showcasing support for OpenVPN and WireGuard with speed indications.

## 5.5 AdGuard Home

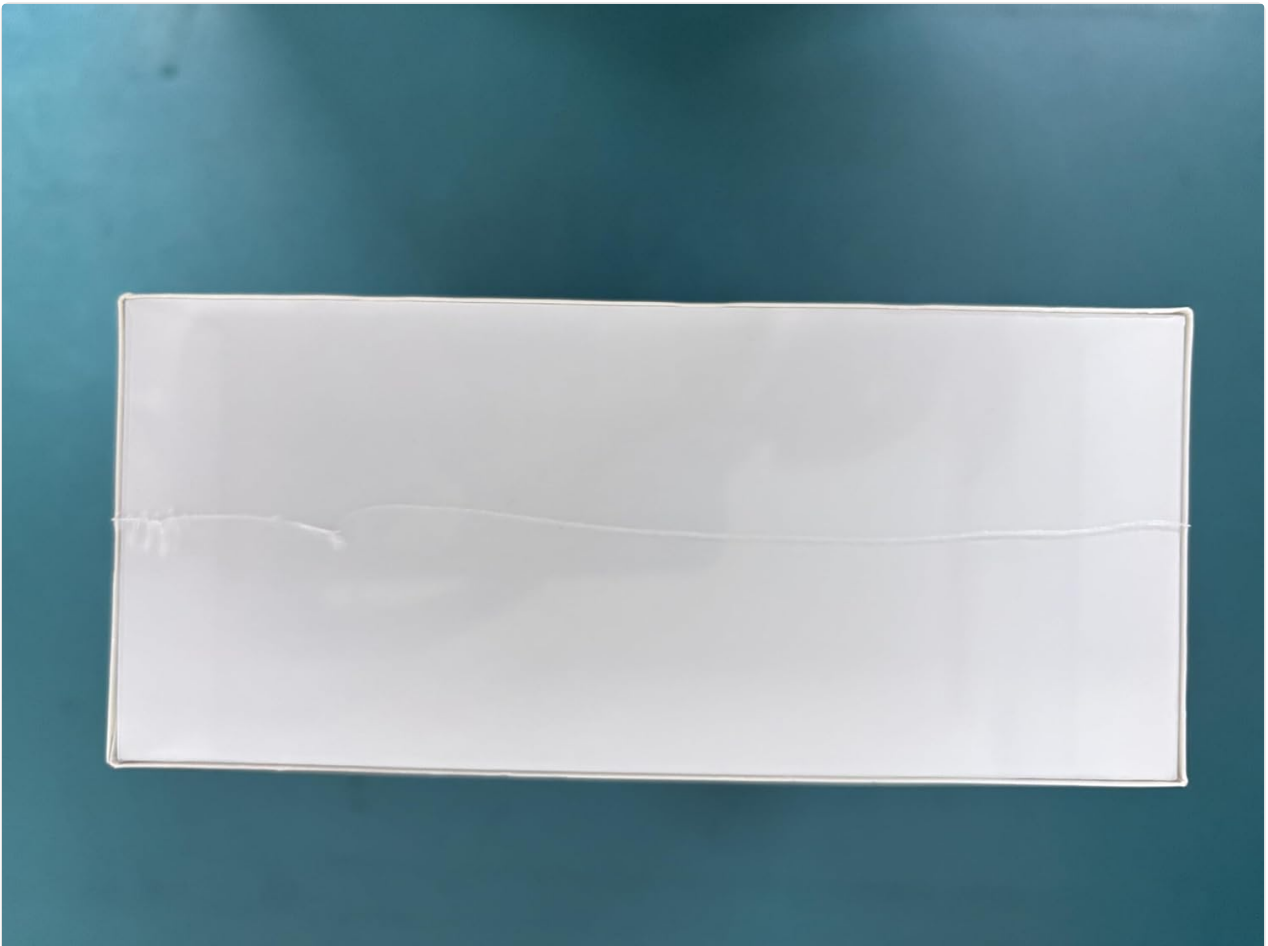
AdGuard Home is integrated to block ads, online trackers, malware, and phishing attempts across all connected devices. It offers advanced settings for customization and a user-friendly interface.



A screenshot of the AdGuard Home interface, showing its features for blocking ads, online trackers, malware, and adult websites.

## 5.6 Wi-Fi 6 Features

The GL-X2000 supports Wi-Fi 6 (802.11ax) for faster speeds and improved efficiency, especially in environments with many connected devices. It offers up to 574Mbps (2.4GHz) + 2402Mbps (5GHz) wireless speeds, ideal for 8K streaming and demanding applications.



An image depicting a large screen displaying "8K" content, with the router positioned below, illustrating its capability for high-speed Wi-Fi 6 streaming.

## 6. MAINTENANCE

### 6.1 Firmware Updates

Regularly check for and install firmware updates to ensure optimal performance, security, and access to new features. Firmware updates can typically be performed via the router's web administration panel.

### 6.2 Rebooting

If you experience network issues, a simple reboot can often resolve them. You can reboot the router through the web administration panel or by disconnecting and reconnecting the power adapter.

## 7. TROUBLESHOOTING

- **No Internet Connection:**

- Check SIM card insertion and activation status.
- Verify APN settings in the router's administration panel.
- Ensure external antennas are properly connected.
- If using WAN, check the Ethernet cable connection to your modem.

- **Slow Speeds:**

- Check cellular signal strength via LED indicators or admin panel.
- Ensure antennas are positioned for optimal reception.
- Update router firmware.
- Consider network congestion or data caps from your cellular provider.

- **Cannot Access Admin Panel:**

- Ensure your device is connected to the router's Wi-Fi or via Ethernet.
- Verify you are using the correct IP address (<http://192.168.8.1>).
- Try clearing your browser's cache or using a different browser.

- **VPN Connection Issues:**

- Verify VPN client configuration and credentials.
- Ensure your VPN service is active and not experiencing outages.

## 8. SPECIFICATIONS

Feature	Description
Model Name	GL-X2000 (Spitz Plus)
Cellular Connectivity	4G LTE CAT 12 (DL 3CA technology)
Wi-Fi Standard	Wi-Fi 6 (802.11ax)
Wireless Speed	Up to 574Mbps (2.4GHz) + 2402Mbps (5GHz)
CPU	1 GHz Dual-Core (Qualcomm IPQ5018)
SIM Slots	Dual Nano-SIM (Single Standby)
Antennas	4 x Detachable SMA Antennas
VPN Support	OpenVPN, WireGuard (Client/Server)
Special Features	Multi-WAN, AdGuard Home, Access Point Mode, Guest Mode, Internet Security, QoS
Dimensions	7.13 x 6.26 x 2.83 inches
Weight	1.96 pounds

# Fast & Advanced 4G LTE Cat.12 Connectivity



Diagram illustrating 4G LTE CAT 12 connectivity, showing it as a higher tier than CAT-6 and CAT-4.

# High-Performance & Powerful Dual Band **Wi-Fi 6**

# 250%

increase in data throughput

Spitz Plus (GL-X2000)

**3000Mbps**



4 Stream Wi-Fi 5 Router **1167Mbps**



# 1 GHz

Dual-Core CPU



# 8K

smooth streaming and game



Infographic detailing Wi-Fi 6 performance, including 3000Mbps speed, 1 GHz Dual-Core CPU, and support for 8K streaming.

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

The GL-X2000 (Spitz Plus) router comes with a **2-year warranty** from the manufacturer, GL.iNet. Please retain your proof of purchase for warranty claims.

### 9.2 Technical Support

For technical assistance, firmware downloads, or additional resources, please visit the official GL.iNet website or contact their customer support. You can also download the GL.iNet app for easier management:

[Download GL.iNet App](#)

