GL.iNET GL-SFT1200

GL.iNet GL-SFT1200 (Opal) Secure Travel WiFi Router User Manual

Model: GL-SFT1200

1. Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your GL.iNet GL-SFT1200 (Opal) Secure Travel WiFi Router. The GL-SFT1200 is a compact and powerful AC1200 dual-band gigabit ethernet wireless router designed for secure and reliable internet access on the go.
Key features include:

- AC1200 Dual-band Wireless: Simultaneous 2.4GHz (300 Mbps) and 5GHz (867 Mbps) for versatile connectivity.
- Full Gigabit Ports: 2 LAN and 1 WAN port for high-speed wired connections.
- Enhanced Security: Pre-installed OpenVPN & WireGuard, IPv6 support, and Cloudflare encryption.
- Portable Design: Lightweight (145g) and compact, ideal for travel.
- Public WiFi Repeater: Convert public networks into private, secure Wi-Fi.
- VPN Toggle Switch: Physical switch for quick VPN activation/deactivation.



Figure 1: GL.iNet GL-SFT1200 (Opal) Secure Travel WiFi Router. This image shows the compact white router with its two external antennas, and the various ports including WAN, LAN, USB 2.0, and Power.

2. Package Contents

Please verify that all items are present in your package:

- GL.iNet GL-SFT1200 (Opal) Router
- Power Adapter (US Plug)
- Ethernet Cable
- User Manual (this document)

3. Setup Guide

3.1 Physical Connection

1. **Connect Power:** Plug the provided power adapter into the router's USB-C power port and then into a power outlet.
2. **Connect to Internet Source:**
    - **Ethernet (WAN Port):** Connect an Ethernet cable from your modem or existing router's LAN port to the GL-SFT1200's WAN port.

- **Wi-Fi Repeater Mode:** The router can connect to an existing Wi-Fi network wirelessly. This will be configured in the software setup.
- **USB Modem:** Connect a compatible 3G/4G/5G USB modem to the USB 2.0 port.
- **Tethering:** Connect your smartphone via USB cable to the USB 2.0 port for internet tethering.

3. **Connect Your Device:**
    - **Wired:** Connect your computer or other device to one of the router's LAN ports using an Ethernet cable.
    - **Wireless:** Search for the router's Wi-Fi network (SSID) on your device and connect to it. The default SSID and password are typically found on a sticker on the bottom of the router.

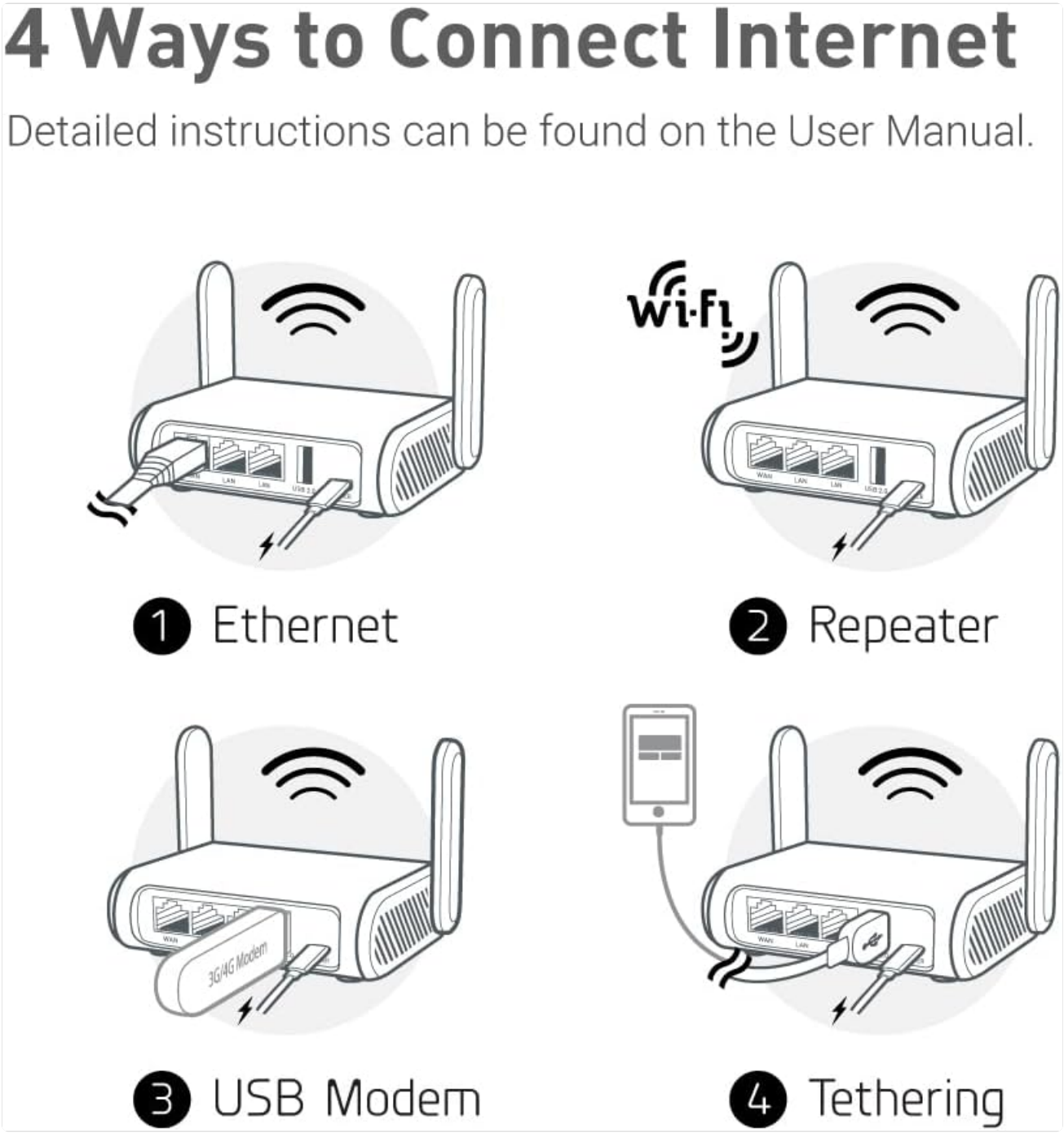


Figure 2: The GL.iNet GL-SFT1200 supports four primary internet connection methods: Ethernet, Wi-Fi Repeater, USB Modem, and USB Tethering from a smartphone.

3.2 Initial Software Configuration

1. **Access Admin Panel:** Open a web browser on your connected device and navigate to http://192.168.8.1.
2. **Language Selection:** Choose your preferred language.

3. **Set New Password:** Create a strong administrative password for the router. This is crucial for security.
4. **Internet Setup Wizard:** Follow the on-screen instructions to configure your internet connection.
    - If using Ethernet, it may automatically detect the connection.
    - For Wi-Fi Repeater mode, select the Wi-Fi network you wish to connect to and enter its password.
5. **Wi-Fi Configuration:** You can customize your Wi-Fi network name (SSID) and password for both 2.4GHz and 5GHz bands.

4. Operating Instructions

4.1 Router Modes

The GL-SFT1200 supports various operating modes:

- **Router Mode:** Connects to the internet via WAN port (Ethernet, USB Modem, Tethering) and creates a new Wi-Fi network.
- **Access Point Mode:** Extends an existing wired network by providing Wi-Fi access.
- **Repeater Mode (WISP):** Connects wirelessly to an existing Wi-Fi network and re-broadcasts it, creating a new private Wi-Fi network. This is ideal for public Wi-Fi hotspots.
- **Bridge Mode:** Connects two wired networks wirelessly.



Figure 3: The GL.iNet GL-SFT1200 can share an internet connection, received from a main internet source, to multiple devices via its own Wi-Fi network or through its Ethernet LAN ports.

4.2 VPN Functionality

The router comes with OpenVPN and WireGuard client software pre-installed, allowing you to encrypt all network traffic passing through the router.

- **Configuration:** Access the VPN settings in the admin panel to import your VPN service provider's configuration

files.

- **Physical Toggle Switch:** The physical switch on the side of the router can be configured in the admin panel to quickly enable or disable your selected VPN client (OpenVPN or WireGuard). By default, this switch has no function and must be assigned in the settings.



Figure 4: The GL-SFT1200 router emphasizes secure internet access, supporting OpenVPN, WireGuard, Cloudflare DNS, and IPv6. It shows WireGuard offering up to 65Mbps and OpenVPN up to 12Mbps via Ethernet.

4.3 Quality of Service (QoS)

The QoS feature allows you to prioritize network traffic for specific applications or devices, ensuring smoother performance for critical tasks like gaming or video streaming.

- **Settings:** Configure upload and download speed limits for different traffic types within the router's web interface.

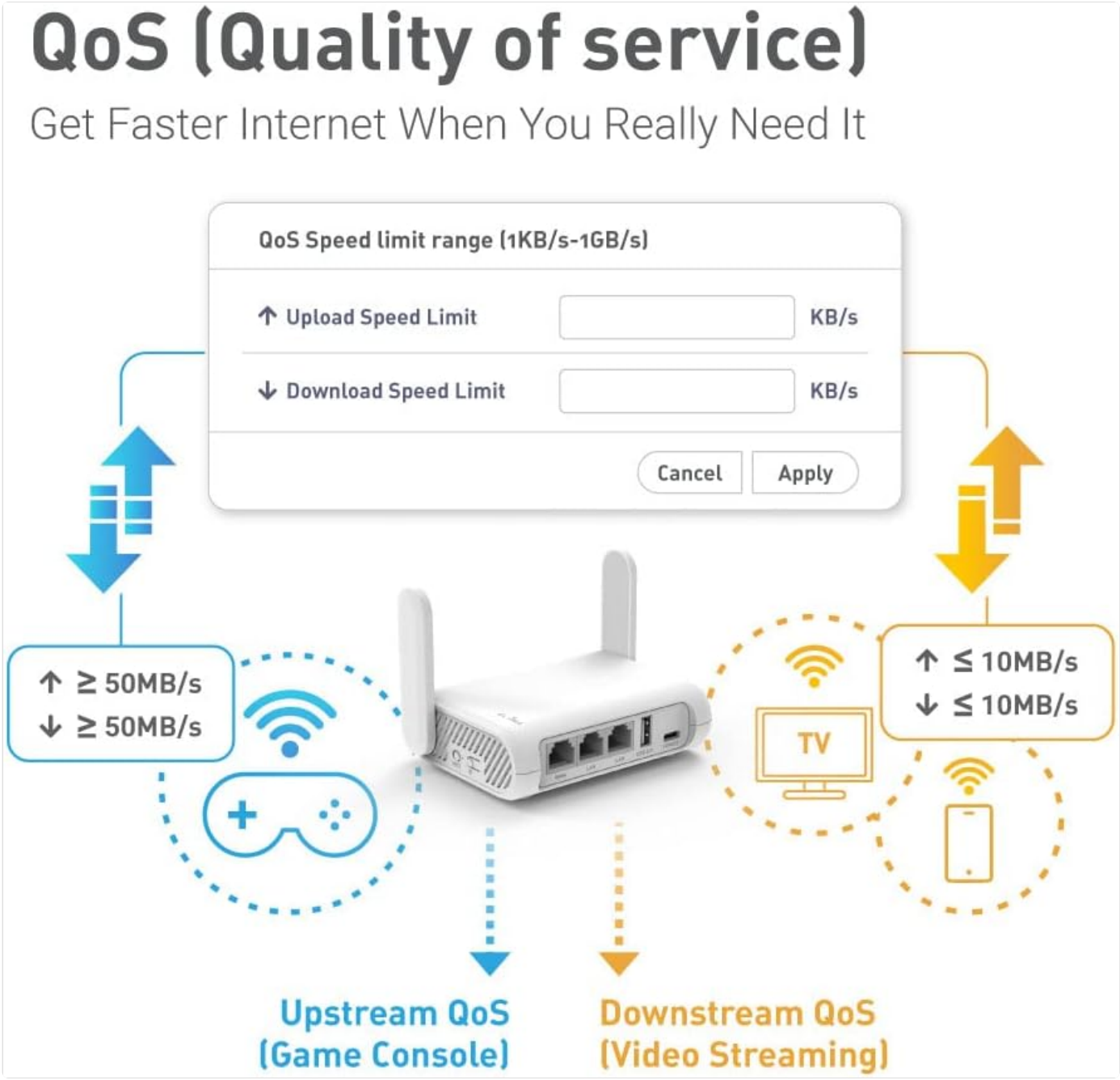


Figure 5: This diagram illustrates the Quality of Service (QoS) feature, showing how the GL-SFT1200 can prioritize upstream traffic (e.g., for gaming consoles) and downstream traffic (e.g., for video streaming) to optimize internet performance.

5. Maintenance

5.1 Firmware Updates

Regularly updating the router's firmware ensures optimal performance, security, and access to new features.

- **Check for Updates:** Access the firmware update section in the admin panel to check for and install the latest firmware.
- **Backup Configuration:** Before updating, it is recommended to back up your router's configuration settings.

5.2 Factory Reset

A factory reset will revert all settings to their default values. This can be useful for troubleshooting or when preparing to sell/transfer the router.

- **Method:** Locate the reset button (often a small pinhole) on the router. With the router powered on, press and hold the reset button for approximately 10 seconds until the indicator lights change.

5.3 Cleaning

Keep the router clean to ensure proper ventilation and longevity.

- Use a soft, dry cloth to wipe the exterior.
- Avoid using liquid cleaners or abrasive materials.
- Ensure ventilation holes are free from dust and obstructions.

6. Troubleshooting

Problem	Possible Cause	Solution
No Internet Access	Incorrect WAN connection; ISP issue; Router not configured.	Check physical cable connections. Verify ISP status. Re-run internet setup wizard in admin panel. Reboot modem and router.
Cannot Access Admin Panel	Incorrect IP address; Network conflict; Browser cache.	Ensure device is connected to router's Wi-Fi or LAN. Try http://192.168.8.1. Clear browser cache. Try a different browser. Perform a factory reset if necessary.
Slow Wi-Fi Speed	Interference; Too many devices; Outdated firmware.	Change Wi-Fi channel. Reduce number of connected devices. Update firmware. Ensure router is centrally located.
VPN Not Connecting	Incorrect configuration; VPN server issue; Firewall blocking.	Double-check VPN configuration files. Verify VPN service status. Ensure physical VPN toggle switch is enabled (if configured).

7. Specifications

Feature	Detail
Model	GL-SFT1200 (Opal)
Wireless Standard	802.11ac/a/b/g/n (AC1200 Dual-Band)
Data Transfer Rate	Up to 300 Mbps (2.4GHz) + 867 Mbps (5GHz)
CPU	Dual-Core 1GHz
RAM	128 MB DDR3
Ports	1x WAN Gigabit, 2x LAN Gigabit, 1x USB 2.0, 1x USB-C Power
Dimensions	11.8 x 8.5 x 3 cm
Weight	190 g
Operating System	RouterOS (based on OpenWRT)

Feature	Detail
Special Features	OpenVPN/WireGuard Client, IPv6, MU-MIMO, Repeater/Bridge/Access Point Mode, Physical VPN Toggle



Figure 6: A close-up view of the GL.iNet GL-SFT1200 router's ports, including WAN, two LAN ports, a USB 2.0 port, and a Type-C power port. It highlights the AC1200 dual-band speeds: 867 Mbps for 5GHz and 300 Mbps for 2.4GHz.

8. Warranty Information

The GL.iNet GL-SFT1200 (Opal) router comes with a**2-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
The warranty does not cover:

- Damage caused by accident, abuse, misuse, flood, fire, earthquake, or other external causes.
- Damage caused by operating the product outside the permitted or intended uses described by GL.iNet.
- Damage caused by service performed by anyone who is not a representative of GL.iNet.

- Products or parts that have been modified to alter functionality or capability without the written permission of GL.iNet.

For detailed warranty terms and conditions, please refer to the official GL.iNet website or contact customer support.

9. Support

For technical support, frequently asked questions (FAQs), and additional resources, please visit the official GL.iNet support website.

- **Online Resources:** www.gl-inet.com/support/
- **Community Forums:** Engage with other users and find solutions in the GL.iNet community forums.

When contacting support, please have your router's model number (GL-SFT1200) and serial number ready.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

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.

Submit question