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› GL.iNet GL-MT6000 (Flint 2) WiFi 6 Router & GL.iNet GL-SFT1200 (Opal) Secure Travel WiFi Router User Manual

GL.iNet GL-MT6000, GL-SFT1200

GL.iNet Router User Manual

Models: GL-MT6000 (Flint 2) & GL-SFT1200 (Opal)

1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, and maintaining your GL.iNet GL-MT6000 (Flint 2) WiFi 6 Router and GL.iNet GL-SFT1200 (Opal) Secure Travel WiFi Router. These devices are designed to provide robust and secure network connectivity for various applications, from home gaming to secure travel.



Image: The GL.iNet GL-MT6000 (Flint 2) router (black, larger) and the GL.iNet GL-SFT1200 (Opal) router (white, smaller) are shown together, highlighting their distinct designs.

2. PRODUCT FEATURES

GL-MT6000 (Flint 2) WiFi 6 Router

- **WiFi 6 Standard with Ultra-Low Latency:** Delivers Wi-Fi 6 speeds up to 6 Gbps (1148Mbps 2.4GHz, 4804Mbps 5GHz) for smooth 4K streaming, gaming, and video calls. Equipped with DDR4 1GB RAM and eMMC 8GB storage.
- **High-Speed Gaming Router:** Features 8-stream Wi-Fi 6 technology for stable and high-speed connections during intense online gaming.
- **Rapid OpenVPN & WireGuard Speed:** Offers WireGuard VPN speeds up to 900Mbps and OpenVPN speeds up to 190Mbps, providing control over bandwidth for gaming, streaming, and work.
- **2.5G Ethernet Ports:** Includes 2.5G WAN and LAN ports, along with 1G LAN ports, for high-speed wired connections.
- **OpenWrt 23.05:** Runs on the OpenWrt operating system (Kernel version 5.15), offering advanced customization and control.

Get Lightning-Fast WiFi

Equipped with WiFi 6 Technology for Up to 5952 Mbps



Image: The GL.iNet GL-MT6000 (Flint 2) router is shown with text indicating its WiFi 6 speeds: 1148Mbps (2.4GHz) and 4804Mbps (5GHz), totaling up to 5952 Mbps.

Enhance Security

Preinstalled with VPN, Choose from 30+ VPN Service Providers



WireGuard®
(Via Ethernet)

Max. 900Mbps

OpenVPN
(Via Ethernet)

Max. 190Mbps

Image: The GL.iNet GL-MT6000 (Flint 2) router is displayed with logos for OpenVPN, WireGuard, Cloudflare, and IPv6. Text highlights WireGuard speeds up to 900Mbps and OpenVPN speeds up to 190Mbps.

Elevate Your Network

With 2.5G Ethernet ports

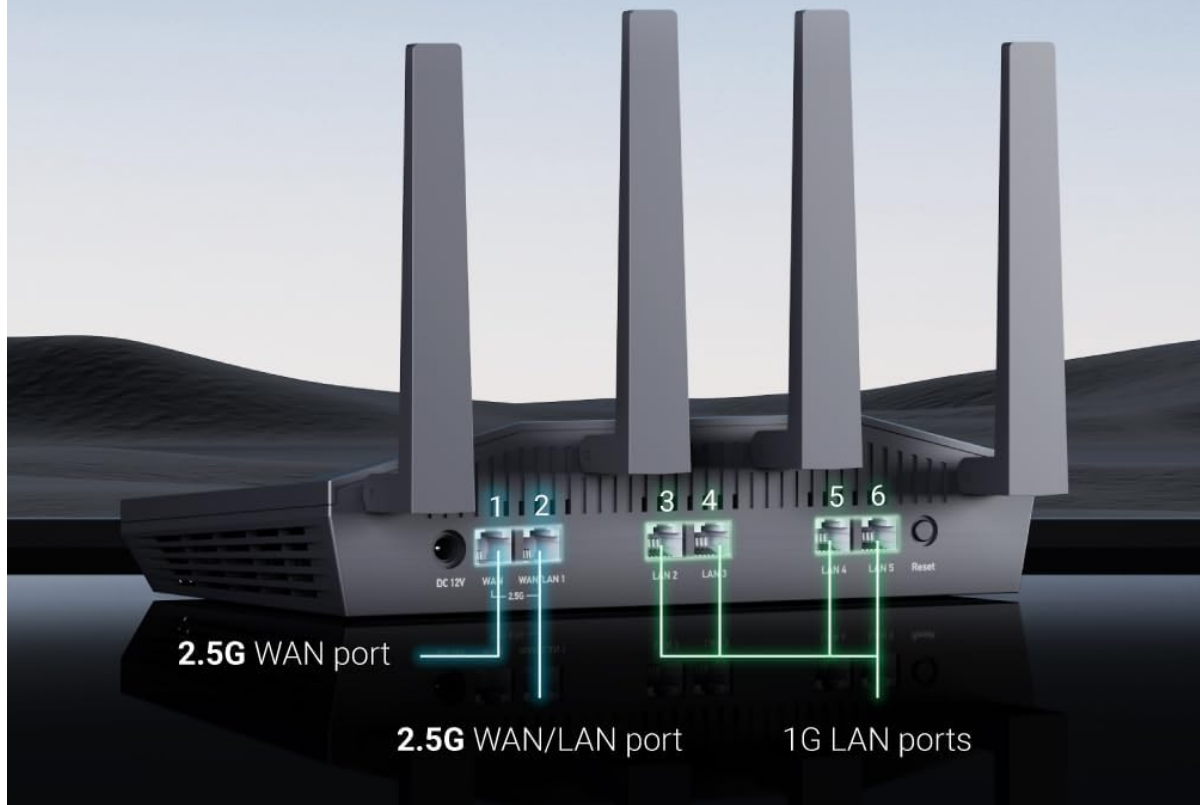


Image: A close-up of the rear ports of the GL.iNet GL-MT6000 (Flint 2) router, showing DC 12V power, 2.5G WAN, 2.5G WAN/LAN, and 1G LAN ports, along with a reset button.

GL-SFT1200 (Opal) Secure Travel WiFi Router

- **AC1200 Dual-band Wireless Router:** Provides simultaneous dual-band wireless speeds up to 300 Mbps (2.4GHz) + 867 Mbps (5GHz).
- **Full Gigabit Ports:** Equipped with 2 Gigabit LAN ports and 1 Gigabit WAN port, suitable for various internet plans and direct wired device connections.
- **Pocket Wi-Fi with Superior Speed:** A cost-effective gigabit router designed for portability.
- **Supports Max. 52 Connected Wireless Devices:** Capable of handling multiple simultaneous connections.
- **Compatible with GL.iNet Travel Bag:** Designed for easy transport (travel bag not included).

Pocket Wi-Fi With Superior Speed

Cost-effective gigabit router

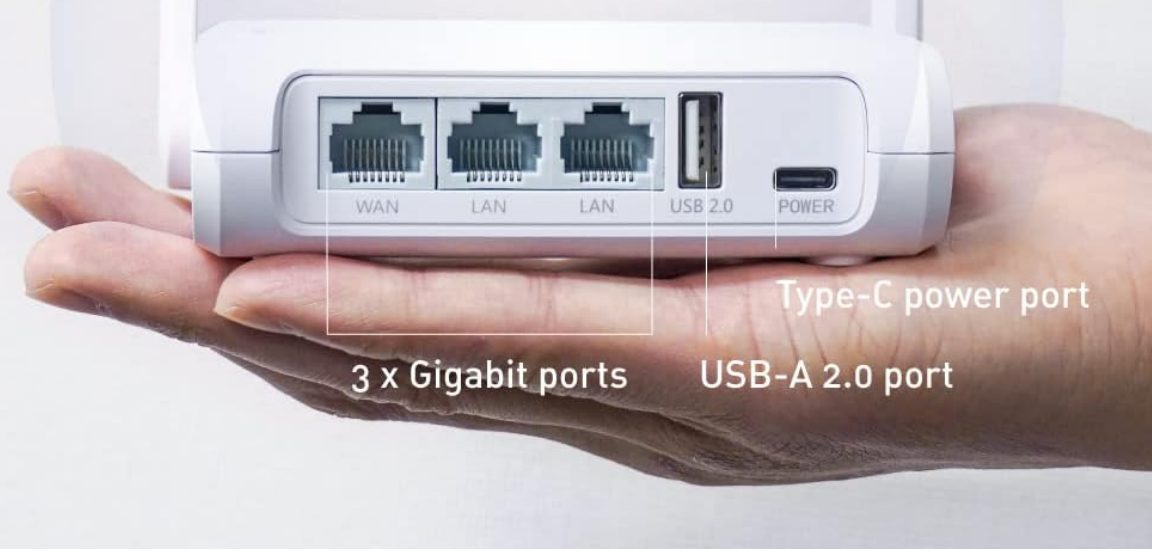
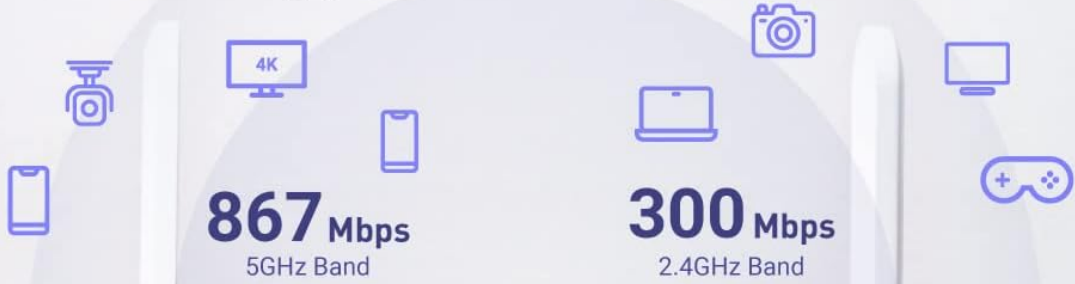


Image: A hand holding the GL.iNet GL-SFT1200 (Opal) router, highlighting its WAN, LAN, USB 2.0, and Type-C power ports. Speed indicators show 867 Mbps (5GHz Band) and 300 Mbps (2.4GHz Band).

Enjoy Seamless Wireless Access Everywhere



Compatible with
GL.iNet travel bag

Note: travel bag is not included in the package

Image: The GL.iNet GL-SFT1200 (Opal) router is shown being placed into a backpack, with an inset image of the router and its accessories neatly packed in a GL.iNet travel bag.

3. SETUP GUIDE

3.1 Unboxing and Initial Connection

1. **Unpack:** Carefully remove the router and all accessories from the packaging.
2. **Connect Power:** Plug the provided power adapter into the router's power port and then into a wall outlet.
3. **Connect to Internet (WAN):** Connect an Ethernet cable from your modem or existing router's LAN port to the WAN port on your GL.iNet router.
4. **Connect to Device (LAN/Wi-Fi):**
 - **Wired:** Connect an Ethernet cable from one of the router's LAN ports to your computer.
 - **Wireless:** On your device (computer, smartphone), search for the Wi-Fi network (SSID) broadcast by the GL.iNet router. The default SSID and password are usually printed on a sticker on the bottom of the router.

3.2 Accessing the Web Admin Panel

1. Open a web browser (e.g., Chrome, Firefox).
2. In the address bar, type the default IP address of your router. For GL.iNet routers, this is typically `http://192.168.8.1`. Press Enter.
3. Follow the on-screen instructions to set up your new administrator password and configure basic network settings.

4. OPERATING INSTRUCTIONS

4.1 Basic Network Configuration

- **Change Wi-Fi Name (SSID) and Password:** Navigate to the 'Wireless' or 'Wi-Fi' section in the admin panel to customize your network name and set a strong password.
- **Guest Network:** Consider enabling a guest network for visitors to keep your main network secure.

4.2 Advanced Features

- **VPN Client/Server:** Both routers support VPN functionalities. Access the 'VPN' section in the admin panel to configure OpenVPN or WireGuard client connections, or set up the router as a VPN server.
- **Quality of Service (QoS):** Prioritize network traffic for specific applications or devices (e.g., gaming, streaming) to ensure optimal performance.

QoS (Quality of service)

Get Faster Internet When You Really Need It

QoS Speed limit range (1KB/s-1GB/s)

↑ Upload Speed Limit KB/s

↓ Download Speed Limit KB/s

Cancel Apply

↑ ≥ 50MB/s
↓ ≥ 50MB/s

↑ ≤ 10MB/s
↓ ≤ 10MB/s

Upstream QoS (Game Console)

Downstream QoS (Video Streaming)

Image: A diagram illustrating the Quality of Service (QoS) feature on the GL.iNet GL-SFT1200 (Opal) router, showing how it can prioritize upstream traffic for gaming consoles and downstream traffic for video streaming, with a QoS speed limit range interface.

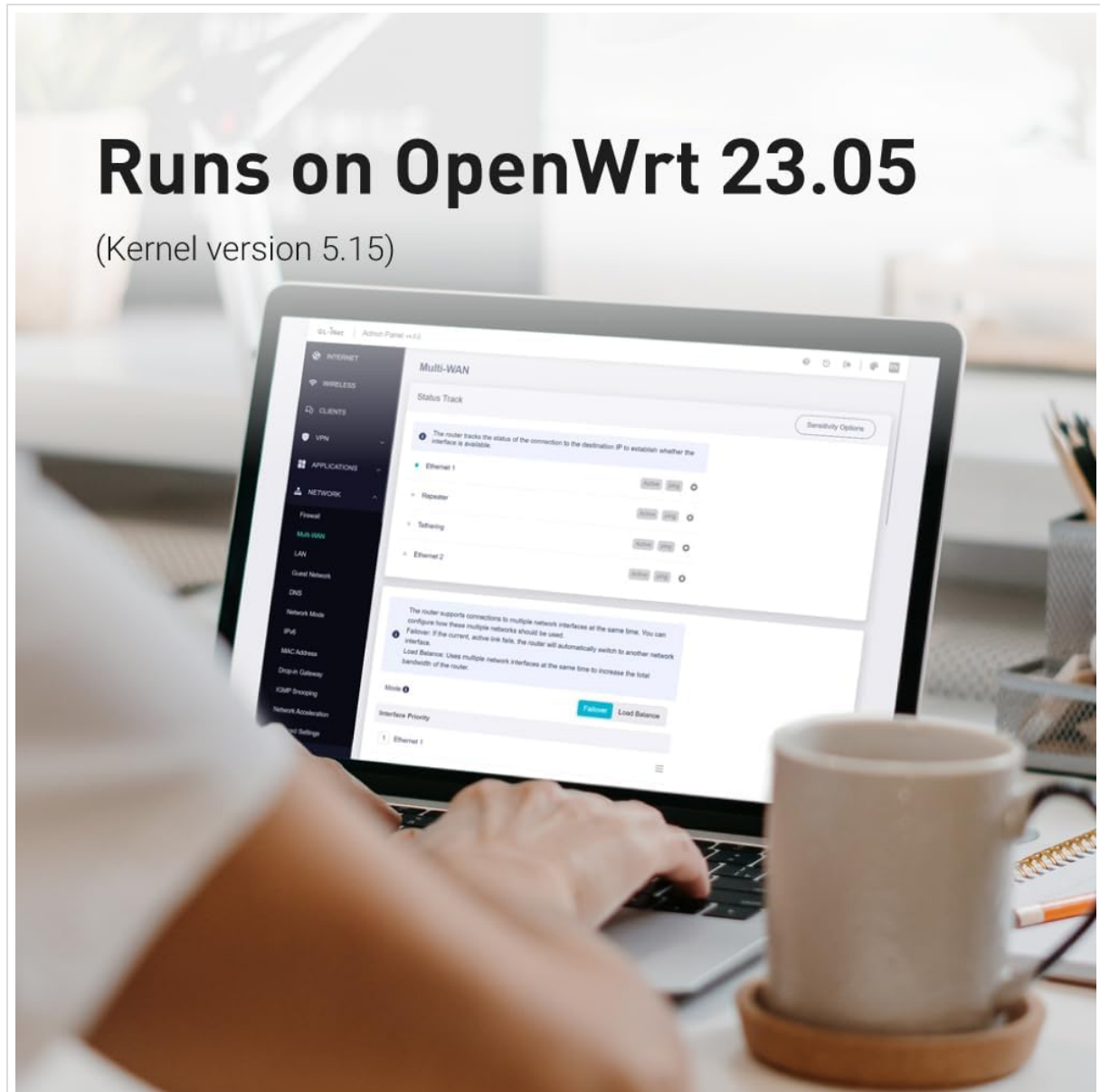


Image: A laptop screen displaying the OpenWrt web interface of a GL.iNet router, specifically showing the 'Multi-WAN' status track page, indicating the router runs on OpenWrt 23.05.

Connect More & Stay Fast

Supports Max. **52** connected wireless devices simultaneously



Image: The GL.iNet GL-SFT1200 (Opal) router is centrally placed among various digital devices like smartphones, tablets, and smart speakers, illustrating its capability to connect up to 52 wireless devices simultaneously.

5. MAINTENANCE

- **Firmware Updates:** Regularly check for and install firmware updates from the GL.iNet official website or through the router's admin panel. Updates often include security patches and performance improvements.
- **Rebooting:** Periodically reboot your router (unplug power for 10 seconds, then plug back in) to refresh its connection and clear any temporary issues.
- **Factory Reset:** If you encounter persistent issues or forget your admin password, you can perform a factory reset. Locate the reset button (often a small pinhole) on the router, press and hold it for 5-10 seconds while the router is powered on, then release. This will revert all settings to default.

6. TROUBLESHOOTING

6.1 No Internet Connection

- Check all cable connections (power, WAN, LAN).
- Reboot your modem and router.
- Verify your internet service provider (ISP) connection is active.
- Check the WAN status in the router's admin panel.

6.2 Slow Wi-Fi Speed

- Ensure your devices are connected to the appropriate band (5GHz for faster speeds, 2.4GHz for better range).
- Reduce interference by changing Wi-Fi channels in the admin panel.
- Check for firmware updates.
- Limit the number of connected devices or use QoS settings.

6.3 Cannot Access Admin Panel

- Ensure your device is connected to the router's network (wired or wireless).
- Verify you are using the correct IP address (<http://192.168.8.1>).
- Try clearing your browser's cache or using a different browser.
- If password is forgotten, perform a factory reset (see Maintenance section).

7. SPECIFICATIONS

Attribute	GL-MT6000 (Flint 2)	GL-SFT1200 (Opal)
Model Name	GL-MT6000	GL-SFT1200
Wireless Standard	WiFi 6 (802.11ax)	WiFi 5 (802.11ac)
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)	Dual-Band (2.4 GHz, 5 GHz)
Max. Wireless Speed	Up to 6 Gbps (1148Mbps 2.4GHz, 4804Mbps 5GHz)	Up to 1200 Mbps (300 Mbps 2.4GHz, 867 Mbps 5GHz)
Ethernet Ports	2x 2.5G WAN/LAN, 4x 1G LAN	1x Gigabit WAN, 2x Gigabit LAN
Antenna Type	Internal	Internal
Operating System	Linux (OpenWrt 23.05)	Linux
Special Feature	WPS, VPN (WireGuard, OpenVPN)	WPS, VPN
Compatible Devices	Personal Computer, Mobile Devices, Gaming Consoles	Personal Computer, Mobile Devices

8. WARRANTY AND SUPPORT

GL.iNet products typically come with a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official GL.iNet website for detailed warranty terms and conditions.

For technical support, firmware downloads, and frequently asked questions, please visit the GL.iNet support portal:

- **GL.iNet Official Website:** <https://www.gl-inet.com/>
- **Support Forum:** <https://forum.gl-inet.com/>

