GL.iNet GL-MT6000

GL.iNet GL-MT6000 (Flint 2) WiFi 6 Router User Manual

Model: GL-MT6000

1. Introduction

Welcome to the user manual for your GL.iNet GL-MT6000 (Flint 2) WiFi 6 Router. This document provides essential information for setting up, operating, maintaining, and troubleshooting your device. The GL-MT6000 is designed to deliver high-speed, reliable wireless connectivity with advanced features for home and small office environments, including multi-gigabit ports, robust VPN capabilities, and parental controls.



Image: The GL.iNet GL-MT6000 (Flint 2) WiFi 6 Router, a black rectangular device with four external antennas.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x GL-MT6000 Router (Flint 2)
- 1 x User Manual
- 1 x Power Adapter (US Plug)
- 1 x Ethernet Cable
- Converters (Based on your shipping country, if applicable)



Image: A visual representation of the package contents, including the router, user manual, power adapter, Ethernet cable, and international power converters.

3. Product Features and Overview

The GL-MT6000 (Flint 2) router offers a range of features designed for high performance and network security:

- **WiFi 6 Standard:** Supports Wi-Fi 6 (802.11ax) with speeds up to 6 Gbps for smoother 4K streaming, gaming, and video calls. Features DDR4 1GB RAM and eMMC 8GB storage.
- **High-Speed Gaming:** Equipped with 8-stream Wi-Fi 6 technology for stable and high-speed connections during intense online gaming.
- **Rapid VPN Speeds:** Achieves WireGuard VPN speeds up to 900Mbps and OpenVPN speeds up to 190Mbps, providing secure and private browsing.
- **AdGuard Home Support:** Allows for DNS-based ad blocking and tracking prevention, offering a cleaner browsing experience.
- **Mass Device Connectivity:** High storage capacity supports over a hundred connected devices, suitable for smart homes and DIY users.
- **Multi-Gigabit Ports:** Includes 2 x 2.5G Multi-Gig Ports (WAN/LAN) and 4 x 1G Ethernet Ports for flexible wired

connectivity.

3.1. Enhanced Security with VPN

The router comes preinstalled with VPN capabilities, supporting both OpenVPN and WireGuard protocols for secure data transmission. This allows users to choose from over 30 VPN service providers to enhance their online privacy and security.

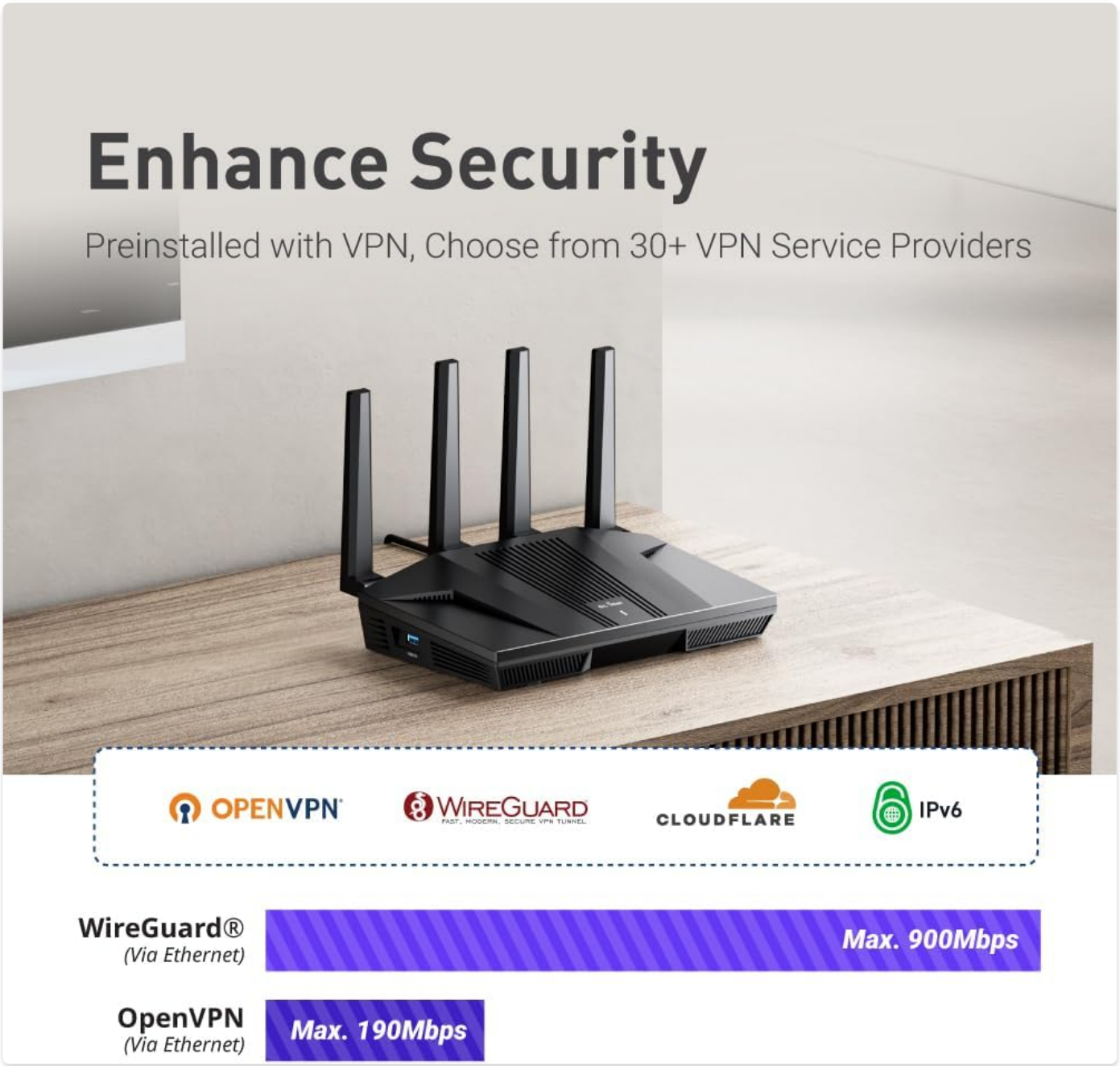


Image: The GL.iNet GL-MT6000 router on a wooden surface, with logos for OpenVPN, WireGuard, Cloudflare, and IPv6, highlighting its security features and VPN speeds.

3.2. Lightning-Fast WiFi 6

Experience superior wireless performance with WiFi 6 technology, delivering combined speeds of up to 5952 Mbps (1148 Mbps on 2.4GHz and 4804 Mbps on 5GHz). This ensures smooth streaming, gaming, and browsing even with multiple devices connected.



Image: The GL.iNet GL-MT6000 router on a desk setup with a monitor, illustrating its high-speed WiFi capabilities with speed indicators for 2.4GHz and 5GHz bands.

3.3. Versatile Ethernet Ports

The GL-MT6000 is equipped with two 2.5G multi-gigabit ports (one WAN, one configurable WAN/LAN) and four 1G LAN ports, providing ample connectivity options for high-bandwidth devices and a robust wired network.

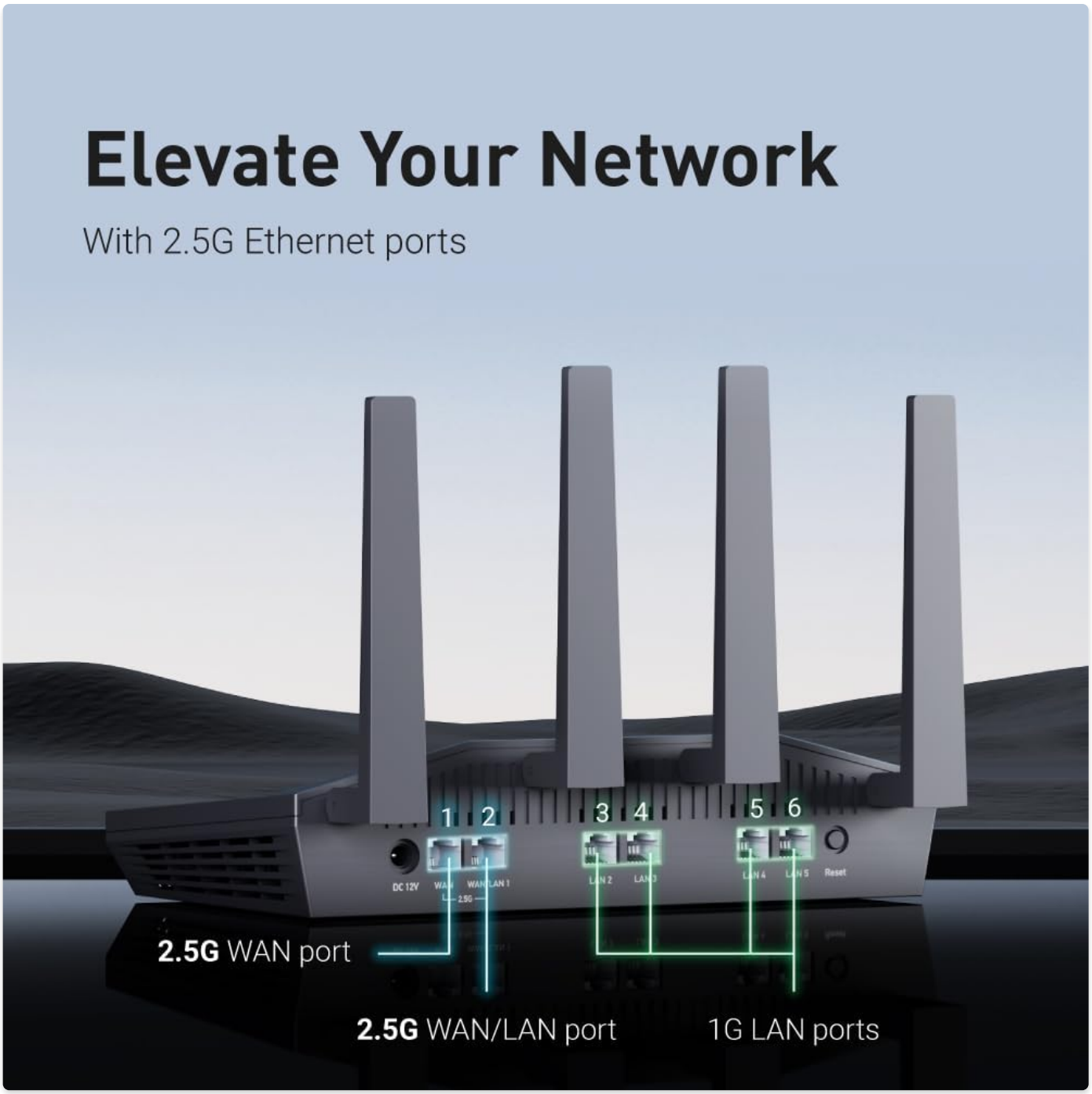


Image: A rear view of the GL-MT6000 router highlighting its various ports: DC 12V power input, 2.5G WAN port, 2.5G WAN/LAN port, four 1G LAN ports, and a Reset button.

3.4. Bark Parental Control

The router supports Bark Parental Control, enabling users to manage and filter online content for children. This feature provides a web interface for blocking unwanted tracking and filtering digital advertisements, ensuring a safer online environment. Note: This feature may require a subscription to Bark.

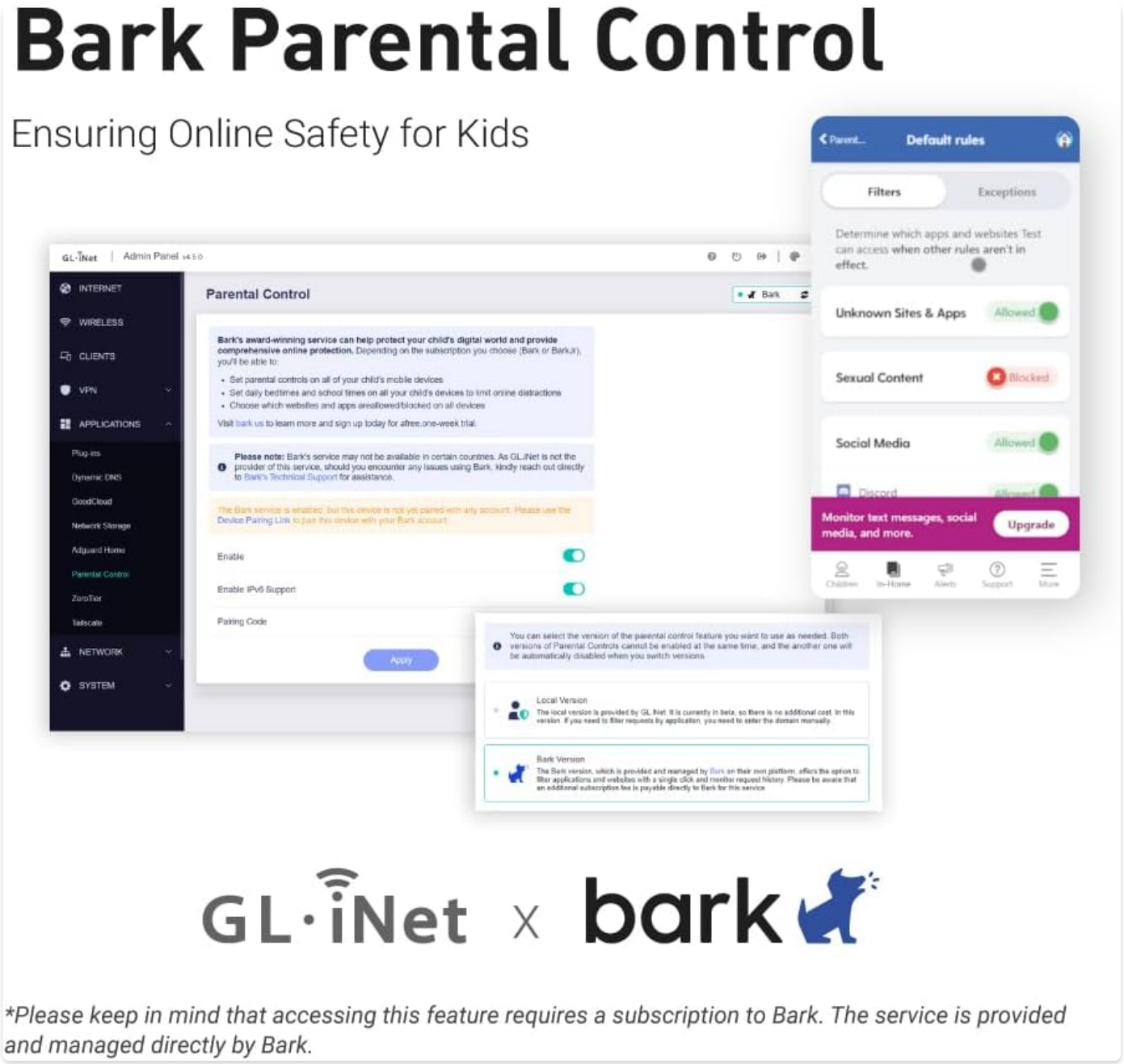


Image: A screenshot of the GL.iNet Admin Panel showing the Bark Parental Control interface, with options for filtering content and monitoring online activity.

4. Setup Guide

Follow these steps to set up your GL.iNet GL-MT6000 router:

1. **Connect Power:** Connect the included power adapter to the router's DC 12V port and plug it into a power outlet.
2. **Connect to Internet (WAN):** Connect your modem or existing network's Ethernet cable to the router's 2.5G WAN port.
3. **Connect to Computer (LAN):** Connect your computer to one of the router's LAN ports (1G Ethernet ports) using the provided Ethernet cable. Alternatively, you can connect wirelessly to the router's default Wi-Fi network (SSID and password are usually found on a sticker on the router).
4. **Access Admin Panel:** Open a web browser on your connected computer and navigate to the router's default IP address (e.g., http://192.168.8.1). Follow the on-screen instructions to complete the initial setup, including setting a new administrator password and configuring your Wi-Fi network.
5. **Firmware Update:** It is highly recommended to update the router's firmware upon initial setup to ensure optimal performance and access to the latest features and security patches. Navigate to the firmware update section within

the Admin Panel.

Note: An initial setup video tutorial may be available on the product's Amazon page or the GL.iNet official website for visual guidance.

5. Operating Instructions

5.1. Accessing the Web Admin Panel

To manage your router's settings, access the web Admin Panel by opening a web browser and entering the router's IP address (default: http://192.168.8.1). Log in with your administrator password.

5.2. Basic Network Configuration

- **Wi-Fi Settings:** Configure your Wi-Fi network name (SSID), password, and security type (WPA2/WPA3). You can set up separate networks for 2.4GHz and 5GHz bands.
- **Guest Network:** Create a separate guest Wi-Fi network to provide internet access to visitors without compromising your main network's security.
- **WAN Settings:** Configure your internet connection type (DHCP, Static IP, PPPoE) based on your Internet Service Provider (ISP) requirements.
- **LAN Settings:** Adjust the router's internal IP address range and DHCP server settings if needed.

5.3. Advanced Features

- **VPN Client/Server:** Configure the router to connect to a VPN service (client mode) or act as a VPN server to access your home network remotely.
- **AdGuard Home:** Enable and configure AdGuard Home for network-wide ad and tracker blocking.
- **QoS (Quality of Service):** Prioritize network traffic for specific applications or devices to ensure smooth performance for critical tasks like gaming or video calls.
- **Parental Control:** Utilize the Bark Parental Control features to manage internet access and content for connected devices.

6. Maintenance

- **Firmware Updates:** Regularly check for and install the latest firmware updates from the GL.iNet website or through the router's Admin Panel. Firmware updates often include performance improvements, new features, and security patches.
- **Physical Cleaning:** Keep the router in a well-ventilated area. Periodically clean dust from the vents using a soft brush or compressed air to prevent overheating.
- **Restarting:** If you experience network issues, try restarting the router by unplugging the power adapter for 10 seconds and then plugging it back in.
- **Backup Configuration:** It is advisable to back up your router's configuration settings before performing major changes or firmware updates.

7. Troubleshooting

Problem	Possible Solution

Problem	Possible Solution
No Internet Connection	◦ Check if the WAN cable is securely connected to the router and modem. ◦ Restart both the modem and the router. ◦ Verify your ISP connection status. ◦ Check WAN settings in the Admin Panel.
Slow Wi-Fi Speed	◦ Ensure your devices support Wi-Fi 6. ◦ Move closer to the router or reduce obstacles. ◦ Check for firmware updates. ◦ Adjust Wi-Fi channel settings in the Admin Panel to avoid interference. ◦ Limit the number of connected devices or bandwidth-heavy activities.
Cannot Access Admin Panel	◦ Ensure your device is connected to the router (wired or wireless). ◦ Verify the IP address (http://192.168.8.1) is entered correctly. ◦ Try a different web browser. ◦ Clear browser cache and cookies. ◦ If you forgot the password, perform a factory reset (see manual for instructions, usually involves pressing the reset button for a duration).
VPN Not Connecting	◦ Check your VPN client configuration settings. ◦ Ensure your VPN service subscription is active. ◦ Verify internet connectivity without VPN. ◦ Try different VPN servers or protocols.

8. Specifications

Feature	Detail
Brand	GL.iNet
Model Name	Flint 2 (GL-MT6000)
Wireless Standard	802.11ax (WiFi 6), 802.11ac, 802.11n, 802.11g, 802.11b
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Max. Wireless Speed	Up to 6 Gbps (1148 Mbps on 2.4GHz + 4804 Mbps on 5GHz)
Ethernet Ports	2 x 2.5G Multi-Gig Ports (WAN/LAN), 4 x 1G Ethernet Ports (LAN)
RAM / Storage	DDR4 1GB / eMMC 8GB
Special Features	QoS, Guest Mode, Access Point Mode, Internet Security, OpenVPN, WireGuard, AdGuard Home, Parental Control

Feature	Detail
Compatible Devices	Gaming Console, Personal Computer, Mobile Devices, Smart Home Devices
Recommended Uses	Home, Gaming, Business

9. Warranty and Support

The GL.iNet GL-MT6000 router comes with a **2-year warranty**. For technical support, firmware downloads, and additional resources, please visit the official GL.iNet website or contact their customer support. Keep your purchase receipt for warranty claims.

GL.iNet Official Website: www.gl-inet.com

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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

Anonymous

Email

you@example.com

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