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## GL.iNet GL-MT2500A

# GL.iNet MT2500A (Brume 2) Mini VPN Security Gateway User Manual

Model: GL-MT2500A

## PRODUCT OVERVIEW

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The GL.iNet MT2500A (Brume 2) is a mini VPN security gateway designed for home office and remote work environments. It functions as both a VPN server and client, supporting VPN cascading for enhanced internet security and flexible network access. This device features a 2.5G WAN port, a 1G LAN port, and a USB 3.0 port, along with 8GB eMMC storage. Please note that this model does not include Wi-Fi functionality.



Image: The GL.iNet MT2500A (Brume 2) device, a compact grey square unit with ports visible on one side.

## WHAT'S IN THE BOX

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- GL-MT2500A (Brume 2) with 2-year warranty
- Power Adapter (US Plug)
- Ethernet Cable
- User Manual

## KEY FEATURES

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- **VPN Compatibility:** Pre-installed with OpenVPN and WireGuard, compatible with over 30 VPN service providers. Offers OpenVPN speeds up to 150 Mbps and WireGuard speeds up to 355 Mbps.
- **Network Protection:** Supports Cloudflare encryption and IPv6 security protocol for enhanced privacy and security.
- **VPN Cascading:** Allows simultaneous operation of VPN server and VPN client, enabling secure access to local network servers while browsing the public internet via a VPN client.
- **Remote Access Gateway:** Ideal for hosting a VPN server at home or office, facilitating secure access to corporate private networks and bypassing geo-blocking for remote work.

- **Advanced Hardware:** Equipped with a 2.5 Gigabit WAN port, a 1 Gigabit LAN port, a USB 3.0 port, and 8 GByte eMMC storage for offline data.

**No Wi-Fi**

# Fast and Secure Web Browsing

OpenVPN, WireGuard, cloudflare and IPV6



Image: Visual representation of the Brume 2 device surrounded by icons for AdGuard, Cloudflare, OpenVPN, WireGuard, and IPv6, illustrating its security features.

## SETUP GUIDE

This section provides step-by-step instructions for setting up your GL.iNet MT2500A (Brume 2) VPN Security Gateway. For a visual guide, please refer to the official setup video below.

Your browser does not support the video tag.

Video: An official unboxing and setup guide for the GL-MT2500A Brume 2 device, demonstrating the initial steps to get the device operational.

## Initial Setup Steps:

1. **Connect to WAN:** Use an Ethernet cable to connect your modem or an Ethernet wall socket to the GL-MT2500A's WAN port (labeled "2.5G WAN").



Image: A hand connecting an Ethernet cable from a wall socket to the WAN port of the Brume 2 device.

2. **Connect to LAN:** Insert one end of another Ethernet cable into the GL-MT2500A's LAN port (labeled "LAN") and the other end to your computer.

No Wi-Fi

# Host Your Own VPN Server

at Home or Office



Image: The Brume 2 device with both WAN and LAN Ethernet cables connected, ready for power-up.

3. **Power Up:** Connect the power adapter to the Type-C Power port on the device and plug it into a power outlet. The LED light will turn white if the router successfully connects to the Internet.

No Wi-Fi

# Open-source OpenWrt 21.02

Brand new user interface with SDK 4.0



Image: The Brume 2 device with all necessary cables (WAN, LAN, Power) connected, indicating readiness for operation.

4. **Access Admin Panel:** Open a web browser on your connected computer and navigate to 192.168.8.1.
5. **Choose Language:** Select your preferred language from the options presented on the setup page.
6. **Set Admin Password:** Create and confirm a strong admin password for your device. This password will be required for future access to the admin panel.

## OPERATING INSTRUCTIONS

### VPN Client Configuration:

The Brume 2 supports various VPN client configurations. To enable a VPN client:

1. Log into the admin panel (192.168.8.1).
2. Navigate to the "VPN" section in the left-hand menu, then select "VPN Dashboard".
3. Under the "VPN Client" section, locate your desired VPN protocol (e.g., OpenVPN, WireGuard) and click "Enable" or "Set Up Now" to configure.
4. Follow the on-screen prompts to upload your VPN configuration file or enter the necessary details provided by your

VPN service provider.

5. Once enabled, the VPN LED light on the device will turn white, indicating a successful VPN client connection.

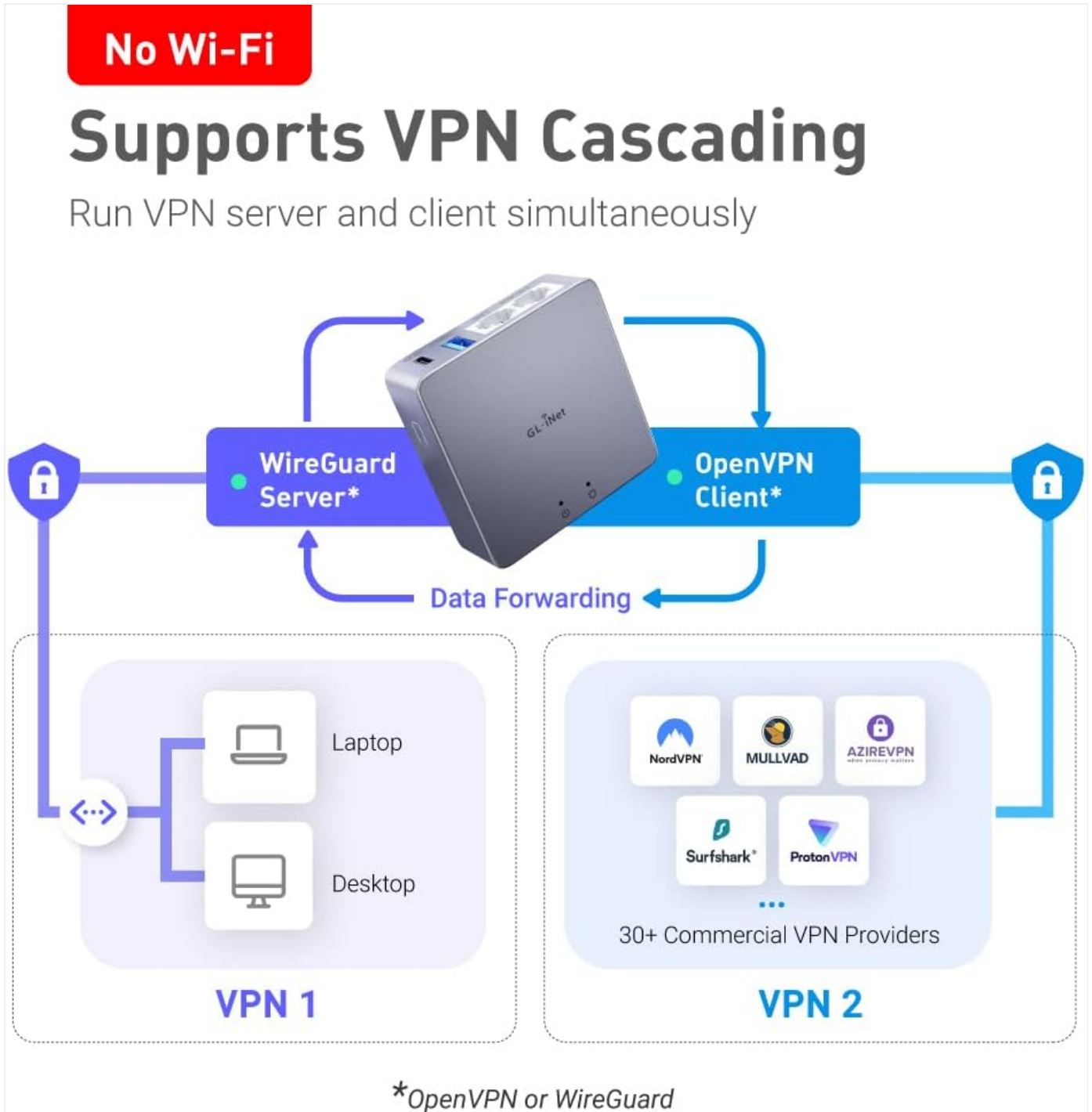


Image: A diagram illustrating VPN cascading, showing the Brume 2 device acting as both a WireGuard server and OpenVPN client, enabling data forwarding between different VPN networks.

## AdGuard Home Integration:

The Brume 2 supports AdGuard Home for network-wide ad and tracker blocking. To configure AdGuard Home:

1. Access the admin panel (192.168.8.1).
2. Go to "Applications" and then "AdGuard Home".
3. Enable AdGuard Home and configure its settings, such as blocklists and parental controls, as desired.

# Multiple Offices Collaboration

All the Internal Communications are Protected by VPN Encryption



Image: A screenshot of the AdGuard Home interface within the GL.iNet admin panel, showing options for blocking ads, malware, and adult websites.

## MAINTENANCE

- **Firmware Updates:** Regularly check for and install firmware updates through the admin panel to ensure optimal performance, security, and access to new features.
- **Physical Care:** Keep the device in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Clean the exterior with a soft, dry cloth.
- **Resetting the Device:** If you encounter persistent issues, you can perform a factory reset using the reset button on the side of the device. Refer to the admin panel or the full user manual for specific reset procedures.

## TROUBLESHOOTING

- **No Internet Connection:**
  - Verify that the Ethernet cable is securely connected to the WAN port and your modem/wall socket.
  - Check the LED indicator for the Internet connection status. If it's not white, there might be an issue with your ISP or modem.
  - Restart the Brume 2 and your modem.
- **Cannot Access Admin Panel:**
  - Ensure your computer is connected to the LAN port of the Brume 2.
  - Confirm you are typing 192.168.8.1 correctly in your browser's address bar.
  - Try clearing your browser's cache or using a different browser.
- **VPN Client Not Connecting:**
  - Double-check your VPN configuration file or entered credentials for accuracy.

- Ensure your VPN service subscription is active.
- Consult your VPN service provider's support for specific connection issues.

## SPECIFICATIONS

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Attribute	Value
Brand	GL.iNet
Model Name	Brume 2
Item model number	GL-MT2500A
Package Dimensions	6.77 x 4.69 x 2.09 inches
Item Weight	5.5 ounces
Connectivity Technology	Ethernet
Special Feature	Internet Security, Parental Control
Frequency Band Class	Single-Band
Compatible Devices	Personal Computer
Recommended Uses For Product	Security
Color	Aluminium
Antenna Type	Internal
Manufacturer	GL.iNet
Date First Available	December 20, 2022

## WARRANTY AND SUPPORT

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The GL.iNet MT2500A (Brume 2) comes with a 2-year warranty.

For detailed information, advanced configurations, and further support, please refer to the official User Manual PDF:

[Download User Manual \(PDF\)](#)

You can also visit the [GL.iNet Store on Amazon](#) for more products and support resources.

