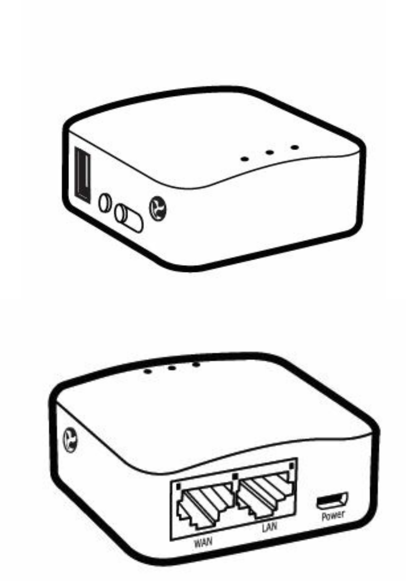
GL.iNet GL-MT300N-V2 Portable Mini VPN Router User Manual

Contents

GL.iNet GL-MT300N-V2 Portable Mini VPN Router

Version & Specifications



GL-MT300N-V2
Do NOT use any external antennas.

- **CPU:** MT 7628NN, @580MHz
- **Memory / Storage:** DDR2 128MB / FLASH 16MB
- **Frequency:** 2.4GHz
- **Transmission Rate:** 300Mbps
- **MaxTx Power:** 20dBm
- **Protocol:** 802.11 b/g/n
- **AN/ LAN:** 10/ 100 Mbps
- **Power Input:** 5V / IA
- **Power Consumption:** < 2.75W

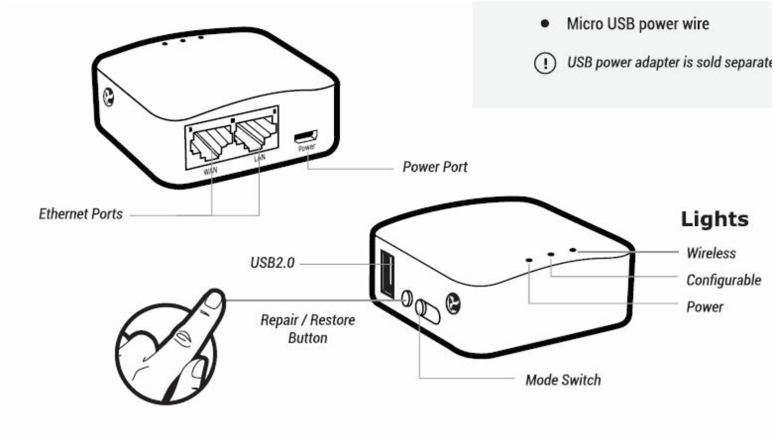
- **Dimension/ Weight:** 58 x 58 x 25 mm/ 39g
- **GPIO Count:** 4
- **Working Temperature:** 0 – 45′ C (32- l 13′ F)

Product Info

Package Contents

- Router
- Instructions
- Micro USB power wire

USS power adapter is sold separately

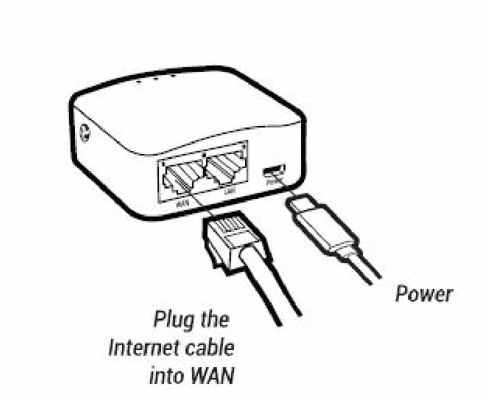


Repair/Restore

- Press and hold for 3 seconds then release, and your network will be repaired. Do this if you cannot connect to the router.
- Press and hold for 10 seconds then release, the router will be restored to factory settings. All user data will be cleared.

First-time Settings

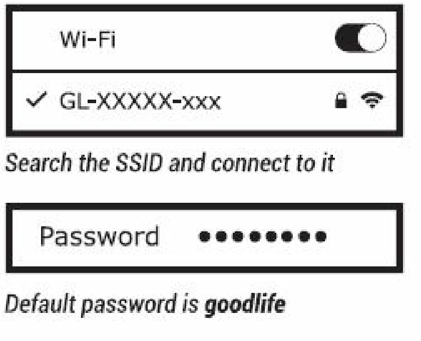
Plug-in power & Internet cable



- When powered up, your mini router will broadcast a Wi-Fi signal with the SSID: GL-XXXXX-xxx.

Connect via Wi-Fi

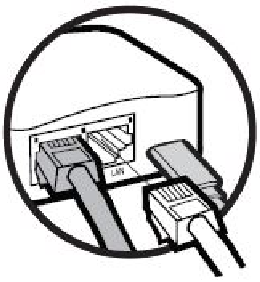
- The default Wi-Fi password is a good life, and it is also printed on the bottom of the mini router.



Search the SSID and connect to it

Default password is ***goodlife***

- or Connect via LAN



*Plug the cable
connecting your computer
into LAN*

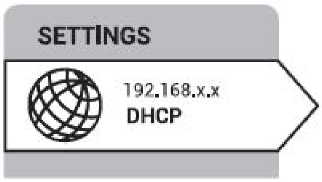
Set up the mini router

- Visit http://192.168.8.1 in your browser to set up your router; start by choosing your preferred language.

http://192.168.8.1

Internet Settings

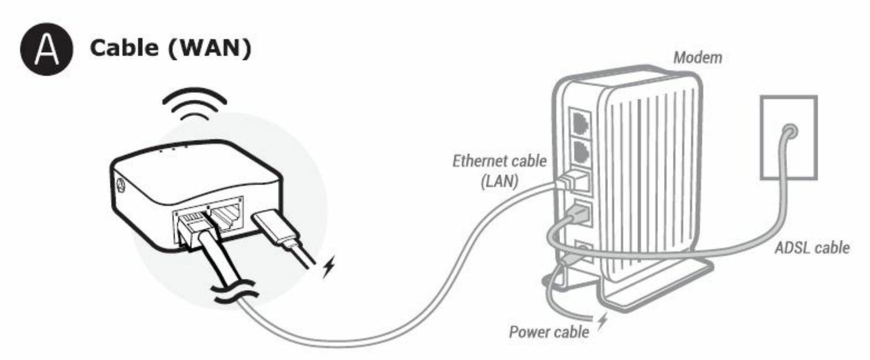
After you have set up your mini router, you will see the main web interface. Find the Internet Settings icon, then click the New Connection button. The Internet Settings window will pop up showing four types of connection methods: Cable, Repeater, 3G modem, and Tethering.



SETTINGS

192.168.x.x
DHCP

Cable (WAN)



DHCP Static
The default protocol is DHCP. If your network needs a static setting, you can change it to Static.

PPPoE
Change to PPPoE protocol when you need to apply the username and password provided by your Internet service provider.

Repeater

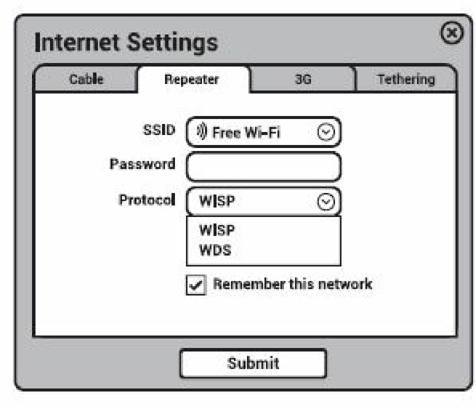
- Using Repeater means connecting your mini router to another existing wireless network, e.g. when you are using Wi-Fi in hotels or other public locations.
- Choose Repeater mode in your Internet Settings and the mini router will automatically search for SSIDs. Choose an SSID and input the Wi-Fi password.

Mode

If you want your router to have its own subnet, you need to choose WISP mode. If you want to extend your existing network by bridging the mini router and your current router wirelessly, you can use WDS.

Make sure your existing Wi-Fi network supports WDS. Using WDS only if you are knowledgeable about this mode.

Saved Networks

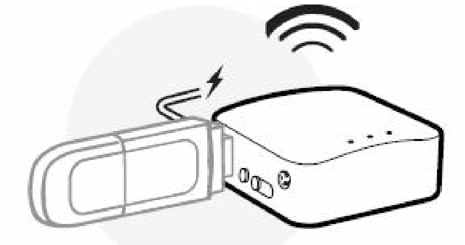


SSID Free Wi-Fi
Password
Protocol WISP
☑ Remember this network

The repeater manager will work once you set up a repeater and it will automatically connect to your available networks. To disable the repeater manager, uncheck the box Auto scan & reconnect on the Internet status page.

You can manage your saved networks by clicking Saved Stations. Delete or choose one from the list to connect.

3G/4G Modem



Plug your 3G/4G modem into the USB 2.0 port of the router, and it can transfer the 3G/4G signal to Wi-Fi.

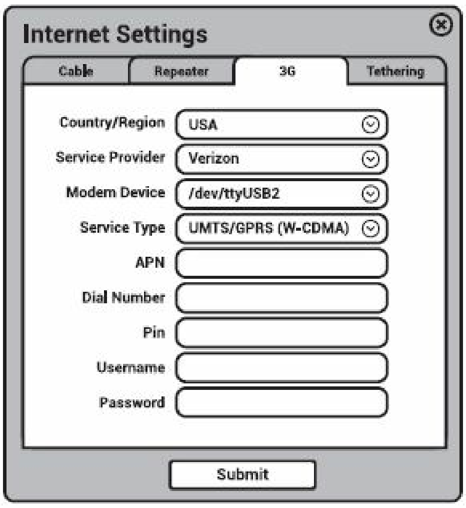
Due to the high power consumption of 3G/4G modems, you need to use a 5V1A or higher power supply.

After choosing your Region and Service Provider, your carrier settings should be filled in automatically. If you find the setting information is incorrect, you will need to input it manually.

Generally, most modems work in TTY serial mode. You need to find out the correct device, e.g. using /dev/ttyUSB2.

For a list of compatible 3G/4G modems, check our docs at www.gl-inet.com/docs

Some modems work in Tethering (hostless) mode. **Please see below:**



Internet Settings

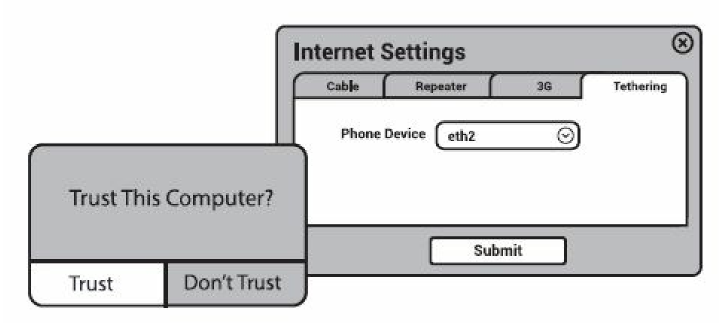
Country/Region	USA
Service Provider	Verizon
Modem Device	/dev/ttyUSB2
Service Type	UMTS/GPRS (W-CDMA)
APN	
Dial Number	
Pin	
Username	
Password	

Tethering

Using the USB cable to share the network from your smartphone or hostless modem to the mini router is called Tethering.

Plug your phone into the mini router and click Trust to continue when the message pops up on your smartphone. Then turn on your phone’s Personal Hotspot. Choose your phone from the device list and submit your choice

A newly-added phone will be named beginning with eth.



Internet Settings

Phone Device: eth2

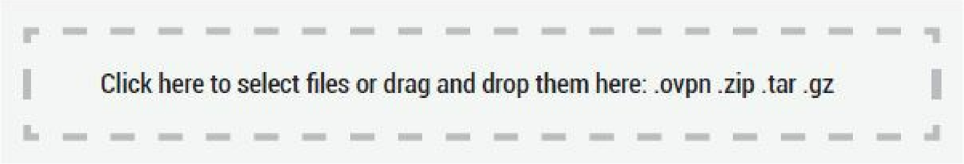
Trust This Computer?

OpenVPN Client

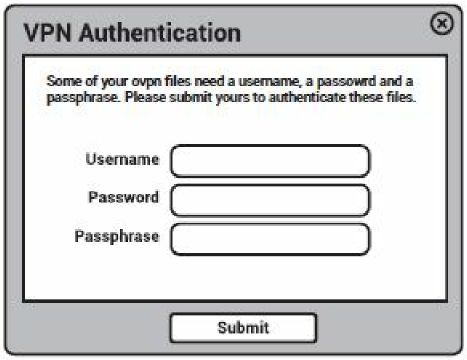
This router supports OpenVPN clients. Using OpenVPN will slow down your Internet speed because of data encryption.

Click the OpenVPN icon and go to the VPN setting page. The first time it will ask you to upload your OpenVPN client configuration (ovpn files). Usually, you can download it from your OpenVPN service provider’s website or console. Consult your service provider for more details.

Upload OpenVPN configurations



Click here to select files or drag and drop them here: .ovpn .zip .tar .gz



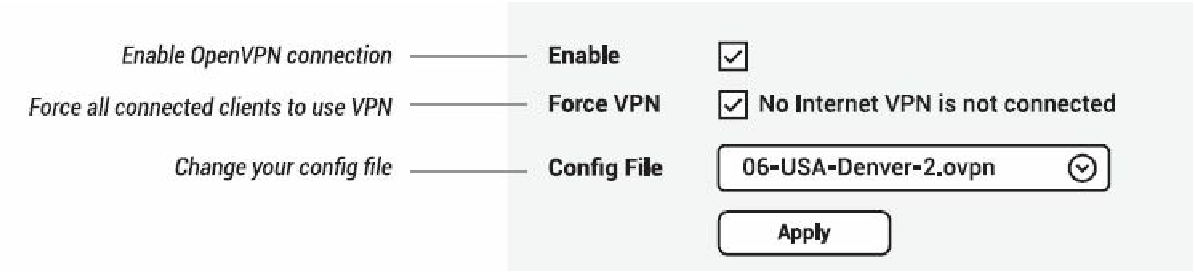
VPN Authentication

Some of your ovpn files need a username, a passowrd and a passphrase. Please submit yours to authenticate these files.

After uploading the ovpn files, the router will check them. If you are prompted for a username and password, a private key passphrase, or both, a window for VPN Authentication will pop up so that you can Submit this information for all files you upload.

This may not be necessary for some service providers.

Connect to OpenVPN



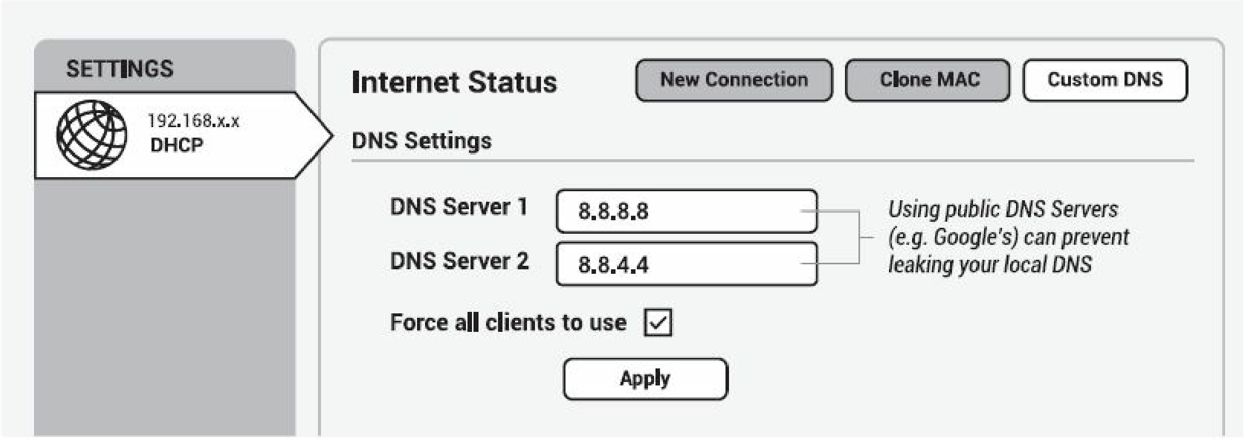
Enable OpenVPN connection — Enable ☑

Force all connected clients to use VPN — Force VPN ☑ No Internet VPN is not connected

Change your config file — Config File: 06-USA-Denver-2.ovpn

Now you can choose from a list of configurations and apply your choice to connect as an OpenVPN client.

To protect against DNS leaks, you must customize your DNS servers. You can enable Force all clients to override the DNS server settings for your client devices. To customize your DNS server, go to Internet Settings > Custom DNS



DNS Settings

DNS Server 1: 8.8.8.8

DNS Server 2: 8.8.4.4

Using public DNS Servers (e.g. Google's) can prevent leaking your local DNS

Force all clients to use ☑

To get more detailed instructions or information about compatible VPN service providers, please visit http://gl-inet.com/docs/

DIY Guidance

OpenWrt Firmware Our firmware is developed based on OpenWrt and you can download all the firmware from our website: www.gl-inet.com/firmware. Find the available firmware from the folder according to your device model, and they are located in different sub-folders:

- v1 folder contains release versions. It should be the default firmware shipped with the router.
- clean folder contains clean versions of OpenWrt firmware, with Luci software only. By default, Wi-Fi is disabled and you need to enable it in Luci.
- tor folder contains Tor firmware for the device.

DDWRT Firmware

GL-AR150 has official DDWRT firmware which you can download from the DDWRT website. DDWRT firmware is not available for other GL models. For further information, please visit https://www.dd-wrt.com

Tor Firmware

Each model has its own Tor firmware which you need to flash to the router. It is quite easy and you can refer to our online tutorial at www.gl-inet.com/docs/openwrt/tor/

Compile Your Own Firmware

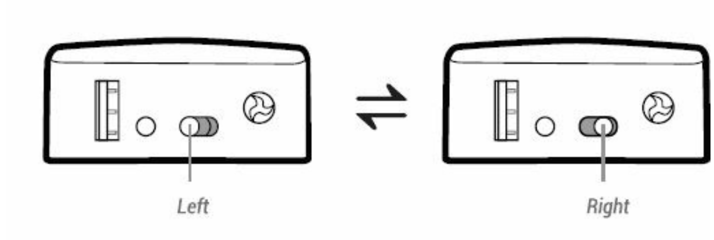
If you have sufficient technical skills, you can compile your own firmware and flash to the router. Please refer to our online docs at github.com/domino-team/openwrt-cc

Uboot Failsafe

If you flash the wrong firmware, you would brick your router. But you still can recover it by using the boot failsafe. Please refer to the guide at www.gl-inet.com/docs/diy/uboot/

Using the above DIY features might have a risk of bricking your router. We have no obligation to provide support, maintenance, upgrades, modifications, or new releases on DIY features. We reserve the right to interpret on above DIY contents without further announcement.

Switch Button



- **Default:** No Function: No Function
- **Mode Switch:** Router Mode: The router will act as NAT, firewall & DHCP server: Bridge Mode: The router will be transparent.
- **VPN Toggle:** On Activate VPN client: Off Deactivate VPN client

By default, the switch button has no function. You need to enable the above functions manually on the web interface (Available in our firmware v2.26 +).

Support

Warranty

- Each router has a one-year warranty. Accessories have a three-month warranty.
- Please use a standard USB power adapter, 5V/1A.
- Any damage to the router caused by not following the instructions will render this warranty null and void.
- Any damage to the router caused by modifying the PCB, components, or case will render this warranty null and void.
- Issues caused by the use of third-party firmware may not get official support from us.
- Any damage to the router caused by inappropriate use, e.g. inappropriate voltage input, high temperature, dropping in the water, or on the ground will render this warranty null and void.
- Pictures on the instructions are only for reference. We reserve the right to change or modify these materials without further notice.

Technical Supports & General Enquiry

- For more detailed and updated instructions, please visit our website www.gl-inet.com/docs.
- For further questions, you can get help in the following ways:
    - Send us an email at service@gl-inet.com
    - Open a ticket at www.gl-inet.com/tickets
    - Ask in our forum www.gl-inet.com/forums
    - Ask in other forums e.g.

Open Wrt, LEDE, or other professional websites

Hong Kong Office
GL Technologies (Hong Kong) Limited
210D Enterprise Place, 5W Science Park, Hong Kong

- http://www.gl-inet.com/docs
- www.gl-inet.com

FREQUENTLY ASKED QUESTIONS

What is the GL.iNet GL-MT300N-V2 Portable Mini VPN Router?

The GL.iNet GL-MT300N-V2 is a compact and portable router that supports VPN (Virtual Private Network) connectivity.

What is the purpose of a VPN router?

A VPN router enables you to establish a secure connection to the internet and protect your online privacy by encrypting your data and masking your IP address.

How does the GL-MT300N-V2 work as a VPN router?

The GL-MT300N-V2 supports various VPN protocols and can be configured to connect to a VPN service provider, allowing you to route your internet traffic through a secure VPN tunnel.

Is the GL-MT300N-V2 easy to set up?

Yes, the GL-MT300N-V2 is designed to be user-friendly, and the setup process typically involves a few simple steps.

Does the GL-MT300N-V2 support multiple VPN protocols?

Yes, the GL-MT300N-V2 supports popular VPN protocols such as OpenVPN, WireGuard, and more, giving you flexibility in choosing a VPN service.

Can the GL-MT300N-V2 be used as a standalone router?

Yes, the GL-MT300N-V2 can function as a standalone router without the VPN functionality if desired.

What is the range of the GL-MT300N-V2's Wi-Fi signal?

The Wi-Fi range of the GL-MT300N-V2 can vary depending on the surrounding environment but generally covers a typical household or small office space.

Can the GL-MT300N-V2 be powered by a battery or USB power bank?

Yes, the GL-MT300N-V2 can be powered via a micro USB port, allowing you to use a power bank or other USB power sources for portable usage.

Can I connect multiple devices to the GL-MT300N-V2 simultaneously?

Yes, the GL-MT300N-V2 supports multiple device connections, allowing you to connect smartphones, tablets, laptops, and other Wi-Fi-enabled devices.

Does the GL-MT300N-V2 have built-in firewall features?

Yes, the GL-MT300N-V2 has firewall functionality to help protect your network and control incoming and outgoing traffic.

Is the GL-MT300N-V2 firmware upgradeable?

Yes, GL.iNet periodically releases firmware updates, providing feature enhancements and security improvements.

Does the GL-MT300N-V2 have wired Ethernet ports?

Yes, the GL-MT300N-V2 has one Ethernet port, allowing you to connect wired devices to your network.

Can the GL-MT300N-V2 be used while traveling internationally?

Yes, the GL-MT300N-V2 is a portable router that can be used internationally with the appropriate power adapter or voltage converter.

Does the GL-MT300N-V2 support advanced VPN configurations?

Yes, the GL-MT300N-V2 supports advanced configurations such as VPN client, VPN server, and VPN pass-through for more customized VPN setups.

What is the warranty period for the GL-MT300N-V2?

The warranty period for the GL-MT300N-V2 may vary, so it's recommended to check the product packaging or the manufacturer's website for warranty information.

VIDEO – PRODUCT OVERVIEW

DOWNLOAD THE PDF LINK: GL.iNet GL-MT300N-V2 Portable Mini VPN Router User Manual

https://manuals.plus/wp-content/uploads/2023/06/GL-iNet-GL-MT300N-V2-Portable-Mini-VPN-Router.mp4