Version & Specifications

GL-MT300N-V2

- Do NOT use any external antennas.

⚠️ Failure to follow above instructions may damage the internal radio of your router.
<table>
<thead>
<tr>
<th><strong>CPU</strong></th>
<th>MT 7628NN, @580MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Memory / Storage</strong></td>
<td>DDR2 128MB / FLASH 16MB</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>2.4GHz</td>
</tr>
<tr>
<td><strong>Transmission Rate</strong></td>
<td>300Mbps</td>
</tr>
<tr>
<td><strong>Max Tx Power</strong></td>
<td>20dBm</td>
</tr>
<tr>
<td><strong>Protocol</strong></td>
<td>802.11 b/g/n</td>
</tr>
<tr>
<td><strong>WAN / LAN</strong></td>
<td>10 / 100 Mbps</td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td>5V / 1A</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>&lt; 2.75W</td>
</tr>
<tr>
<td><strong>Dimension / Weight</strong></td>
<td>58 x 58 x 25 mm / 39g</td>
</tr>
<tr>
<td><strong>GPIO Count</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Working Temperature</strong></td>
<td>0 - 45°C (32 - 113°F)</td>
</tr>
</tbody>
</table>
Package Contents
- Router
- Instructions
- Micro USB power wire

⚠️ USB power adapter is sold separately

Repair/Restore

1. Press and hold for **3 seconds** then release, your network will be repaired. Do this if you cannot connect to the router.

2. 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**

1. **Plug in power & Internet cable**
   When powered up, your mini router will broadcast Wi-Fi signal with the SSID: **GL-XXXXX-xxx**.

2. **Connect via Wi-Fi**
   The default Wi-Fi password is **goodlife**, and it is also printed on the bottom of the mini router.

   ![Wi-Fi Setup](image)

   Search the SSID and connect to it

   ![Password Entry](image)

   Default password is **goodlife**

3. **Set up the mini router**
   Visit [http://192.168.8.1](http://192.168.8.1) in your browser to set up your router; start by choosing your preferred language.
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**.

### Cable (WAN)

![Diagram of Cable (WAN)](image)

**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 username and password provided by your Internet service provider.
B 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 a 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 exiting Wi-Fi network supports WDS. Using WDS only if you are knowledgeable about this mode.

Saved Networks

The repeater manager will work once you set up a repeater and it will automatically connect to your available networks. To disable 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.

C 3G/4G Modem

Plug your 3G/4G modem into the USB2.0 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 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:

D  

Tethering  

Using the USB cable to share 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 in 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.
This router supports OpenVPN client. 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.

1. **Upload OpenVPN configurations**

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

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

This may not be necessary for some service providers.
Connect to OpenVPN

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

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 firmwares from our website: www.gl-inet.com/firmware. Find the available firmwares 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 an official DDWRT firmware which you can download from 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 uboot failsafe. Please refer to the guide at www.gl-inet.com/docs/diy/uboot/

⚠️ Using 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 rights of interpretation on above DIY contents without further announcement.
### Switch Button

<table>
<thead>
<tr>
<th>Default</th>
<th>No Function</th>
<th>No Function</th>
</tr>
</thead>
</table>

#### Mode Switch

<table>
<thead>
<tr>
<th>Left</th>
<th>Router Mode</th>
<th>Right</th>
<th>Bridge Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>Router will act as NAT, firewall &amp; DHCP server</em></td>
<td></td>
<td><em>Router will be transparent.</em></td>
</tr>
</tbody>
</table>

#### VPN Toggle

<table>
<thead>
<tr>
<th>Left</th>
<th>On</th>
<th>Right</th>
<th>Off</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>Activate VPN client</em></td>
<td></td>
<td><em>Deactivate VPN client</em></td>
</tr>
</tbody>
</table>

⚠️ *By default, the switch button has no function.*

*You need to enable above functions manually on the web interface (Available in our firmware v2.26 +).*
Warranty

- Each router has **one-year warranty.** Accessories have **three-month warranty.**
- Please use 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](http://www.gl-inet.com/docs).
- For further questions, you can get help from the following ways:
  1. Send us an email at service@gl-inet.com
  2. Open a ticket at [www.gl-inet.com/tickets](http://www.gl-inet.com/tickets)
  3. Ask in our forum [www.gl-inet.com/forums](http://www.gl-inet.com/forums)
  4. Ask in other forums e.g. OpenWrt, LEDE or other professional websites

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

- **Shenzhen Office**
  深圳市广联智通科技有限公司
  深圳市宝安区石岩街道松白路创维数码大厦305-306室 (+86-0755-86606126)