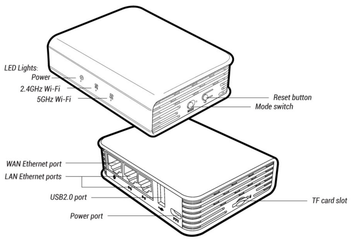
Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

Getting Started with GL.iNet Travel AC Router

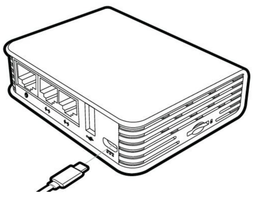
Models:

GL-AR750, GL-AR750-PoE



1. Power on

Plug the Micro USB power cable into the power port of the router. Make sure you are using a standard **5V/2A** power adapter. Otherwise it may cause malfunction.



*Note: Hot plug for TF card is **not** supported. If you want to use TF card, please insert before powering on the router.*

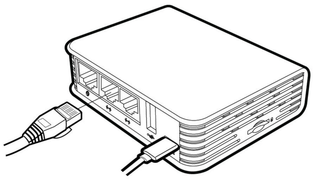
2. Connect

You can connect to the router via Ethernet cable or Wi-Fi.

Note: This step only connects your devices to the local area network (LAN) of the router. You cannot access the Internet currently. In order to connect to the Internet, please finish the setup procedures below and then follow Internet to set up an Internet connection.

Connect via LAN

Connect your device to the LAN port of the router via Ethernet cable.



Connect via Wi-Fi

Search for the SSID of the router in your device and input the default password: ***goodlife***.

Note: The SSID was printed on the bottom label of the router with the following formats:

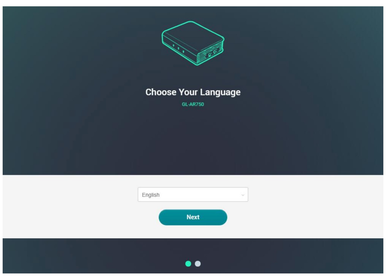
- **GL-AR750-XXX**
- **GL-AR750-XXX-5G**

3. Access the Web Admin Panel

Open a web browser (we recommend Chrome, firefox) and visit http://192.168.8.1. You will be directed to the initial setup of the web Admin Panel.

1) Language Setting

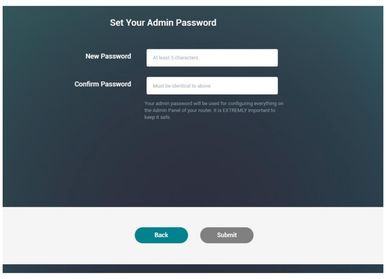
You need to choose the display language of the Admin Panel. Currently, our routers support **English**, **简体中文**, **繁體中文**, **Deutsch**, **Français**, **Español**, **Italiano** and **日本語**.



Note: If your browser always redirects to Luci (http://192.168.8.1/cgi-bin/luci), you can visit: http://192.168.8.1/index instead of http://192.168.8.1.

2) Admin Password Setting

There is no default password for the Admin Panel. You have to set your own password, which must be at least 5 characters long. Then, click `Submit` to proceed.



Note: This password is for this web Admin Panel and the embedded Linux system. It will not change your Wi-Fi password.

3) Admin Panel

After the initial setup, you will enter the web Admin Panel of the router. It allows you to check the status and manage the settings of the router.

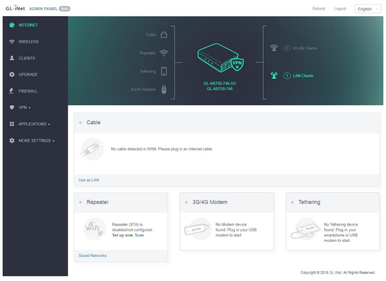


Table of contents
1. Power on
2. Connect
   Connect via LAN
   Connect via Wi-Fi
3. Access the Web Admin Panel
   1) Language Setting
   2) Admin Password Setting
   3) Admin Panel

Copyright © 2020 GL Technologies & Microuter Technologies
powered by MkDocs and Material for MkDocs

Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

INTERNET

There are total 4 types of connection method that you can use to access the Internet: **Cable**, **Repeater**, **3G/4G Modem** and **Tethering**.

Click `INTERNET` to create an Internet connection.

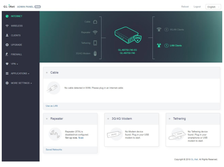


Table of contents
1) Cable
DHCP
Static
PPPoE
2) Repeater
3) USB 3G/4G Modem
Compatible Modems
4) Tethering
EasyTether

1) Cable

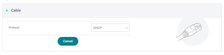
Connect the router to the modem or main router via Ethernet cable to access the Internet.

Before plugging the Ethernet cable into the WAN port of the router, you can click `Use as LAN` to set the WAN port as a LAN port. That is useful when you are using the router as a repeater. As a result, you can have one more LAN port.

Plug the Ethernet cable into the WAN port of the router. The information of your connection will be shown on the Cable section. DHCP is the default protocol. You can click `Modify` to change the protocol.

DHCP

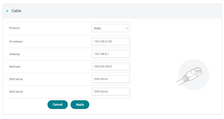
DHCP is the default and most common protocol. It doesn't require any manual configuration.



Static

Static is required if your Internet Service Provider (ISP) has provided a fixed IP address for you or you want to configure the network information such as IP address, Gateway, Netmask manually.

The current settings will be automatically filled once you choose Static. Change it according to your needs and then click `Apply`.



PPPoE

PPPoE is required by many Internet Service Providers (ISP). Generally, your ISP will give you a modem and provide you a username & password that you needed when you are creating the Internet connection.

Under PPPoE protocol, enter your username and password, then click `Apply`.

2) Repeater

Using Repeater means connecting the router to another existing wireless network, e.g. when you are using free Wi-Fi in a hotel or cafe.

It works in WISP (Wireless Internet Service Provider) mode by default, which means that the router will create its own subnet and act as a firewall to protect you from the public network.

In Repeater section, click `Scan` to search for the available wireless networks nearby.

Choose a SSID from the drop-down list and enter its password. You can also enable the **Remember** button to save the current choose wireless network. Finally, click `Join`.

3) USB 3G/4G Modem

You can connect to the Internet using a USB 3G/4G modem. Insert your SIM card into the USB modem Plug the USB modem into the USB port of the router. Once it has been detected, the 3G/4G modem section will be activated and you will be able to set up your USB modem.

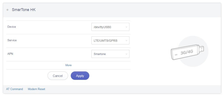
Be aware that some modems work in host-less mode, which will be configured through Tethering but not 3G/4G modem.

Click `Auto Setup` to create the connection.

You can also click `Manual Setup` to set up manually.

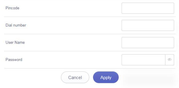
In General, you can set up by the three basic parameters below. Click `Apply` to connect.

- **Device**: Choose **/dev/cdc-wdm0** if your modem supports QMI, otherwise you need to choose **/dev/ttyUSB**, which may include several **ttyUSB** from 0 to 3. You need to choose the correct one based on the modem spec. We suggest you to try **ttyUSB0** first.
- **Service Type**: Indicate the service type of your SIM card.
- **APN**: Confirm with your SIM card carrier.

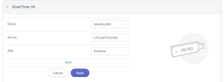


More:

- **Dial Number**: Generally, it is a default value and you don't need to set it manually. However, if you have this info, please input it.
- **Pincode, Username and Password**: Generally, these are not necessary for an unlocked SIM card. However, if you have a locked SIM card, please consult your service provider.



It is connected when the IP address of your SIM card shows up.



Compatible Modems

Here is a list of supported modems that we had tested before.

Model	3G/4G	Tested	Tested by	Comments*
Quectel EC20-E, EC20-A, EC20-C	4G	Yes	GL.iNet	
Quectel EC25-E, EC25-A, EC25-V, EC25-C	4G	Yes	GL.iNet	
Quectel UC20-E	3G	Yes	GL.iNet	
ZTE MF909s-821	4G	Yes	GL.iNet	
Huawei E1550	3G	Yes	GL.iNet	
Huawei E3276	4G	Yes	GL.iNet	
TP-Link MA260	3G	Yes	GL.iNet	
ZTE MF23	4G	Yes	Amas Rieiparto	
ZTE MF190	3G	Yes	Amas Rieiparto	
Huawei E3372	4G	Yes	anonymous	
Pantech UML290VW (Verizon)	4G	Yes	GL.iNet/steven	QMI
Pantech UML295 (Verizon)	4G	Yes	GL.iNet/steven	Host-less
Novatel USB551L (Verizon)	4G	Yes	GL.iNet/steven	QMI
Verizon U620L (Verizon)	4G	Yes		Host-less

*QMI: This modem supports QMI mode. Please choose **/dev/cdc-wdm0** in the **Device** list.

*Host-less: This modem supports tethering mode, please set up by using Tethering but not 3G/4G modem.

You can also refer to http://offmodemsandmen.com/modems.html for a well supported modem list.

4) Tethering

Using a USB cable to share network from your smartphone to the router is called Tethering. Host-less modem works in Tethering during the setup of the modem as well.

For host-less modem tethering, plug it into the USB port of the router.

For iPhone tethering, connect it to the USB port of the router and go to Settings->Personal Hotspot->Allow Others to Join, then click **Trust** to continue when the message pops up in your iPhone (If the connection is failed please uncheck and check again allow Others to Join)

For Android phone tethering, connect it to the USB port of the router then check Settings->Personal hotspot->Usb network sharing.

After plugging in your device, the Tethering section will update and your device will be shown on the device list. The device name will begin with **eth** or **usb** such as **eth2**, **usb0**. Choose your device and click `Connect`.

EasyTether

Some carriers prohibit the sharing of the data so that you may not be able to use tethering. However, you can try easytethering.

Note: Easytether is not a free service and we have no affiliation with them.

Copyright © 2020-GL Technologies & Microster Technologies
Powered by MkDocs and Material for MkDocs

Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

WIRELESS

In `WIRELESS`, you can check the current status and change the settings of the wireless network created by the router. The wireless network can be turned on or off by switching the ON/OFF button.

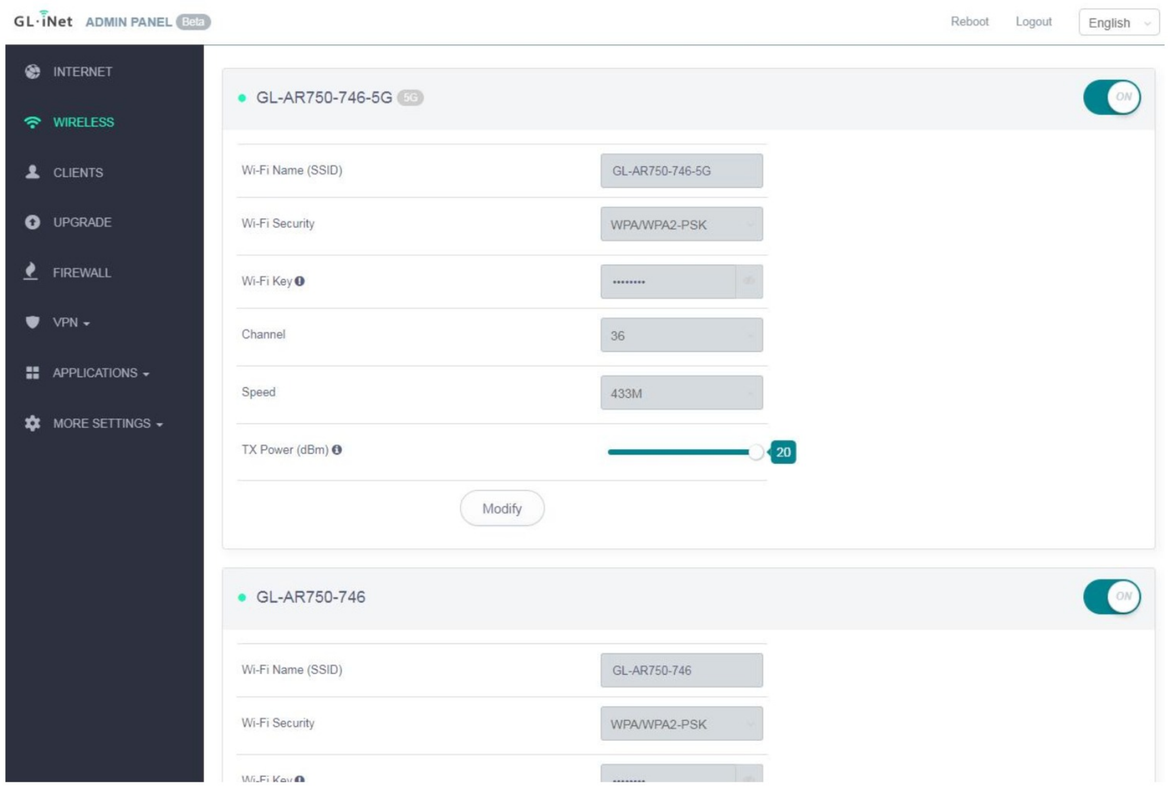
Wi-Fi Name (SSID): The name of the Wi-Fi. It is not suggested to use unicode characters such as **Chinese**.

Wi-Fi Key: The password of the Wi-Fi, which must be at least 6 characters long. We suggest you to change it when you receive the router.

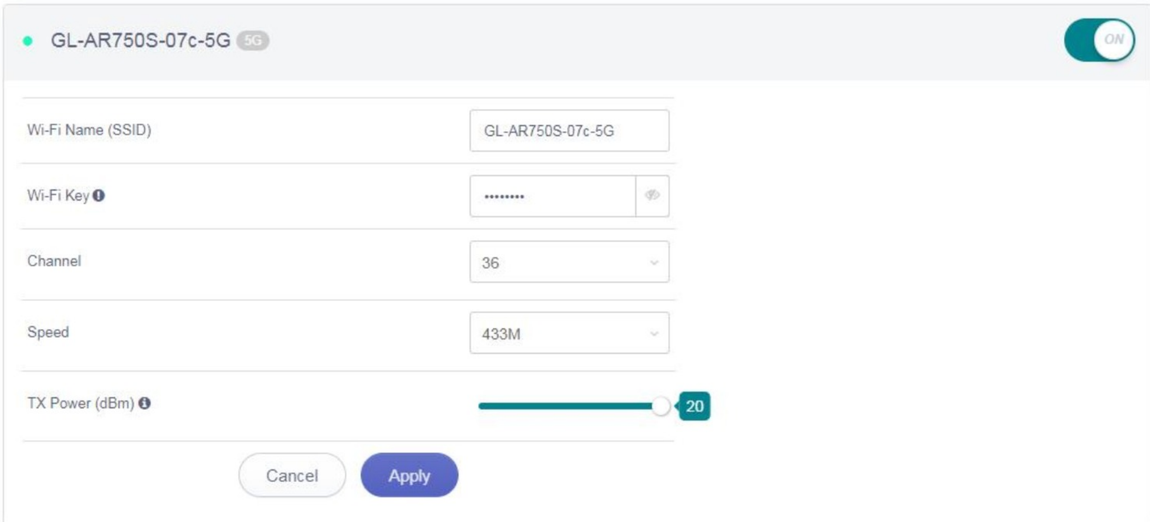
Channel: The router will not choose the best channel itself. You need to choose a channel manually. If your router is used as a Wi-Fi repeater, the channel will be fixed according to the connected wireless network.

Speed: The wireless speed of the router

TX Power (dBm): It specifies the signal strength. The default value is 20 (Strongest).



Click `Modify` to change the settings of the wireless network.



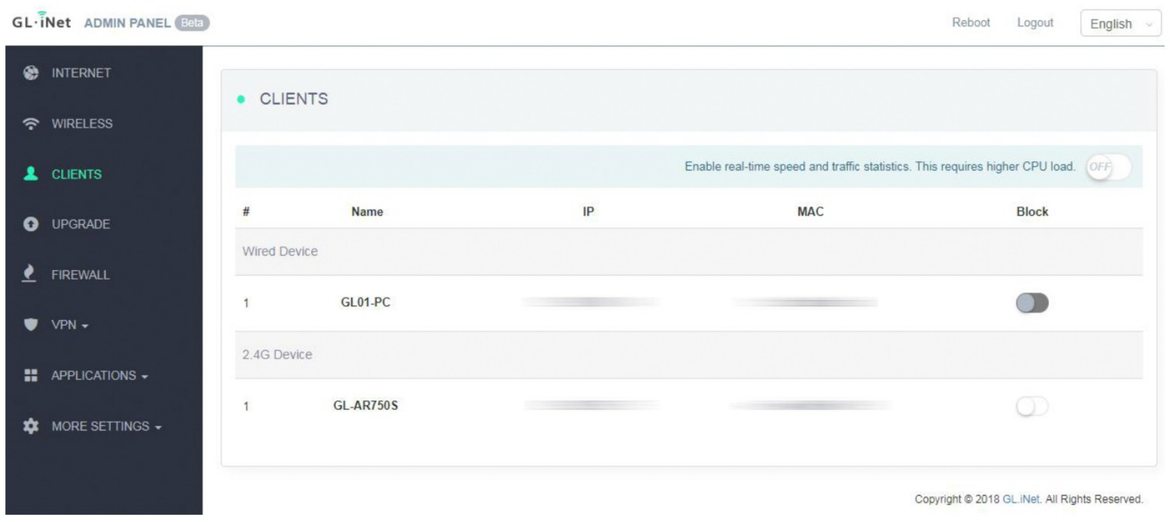
Copyright © 2020 GL Technologies & Microuter Technologies
powered by MkDocs and Material for MkDocs

Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

CLIENTS

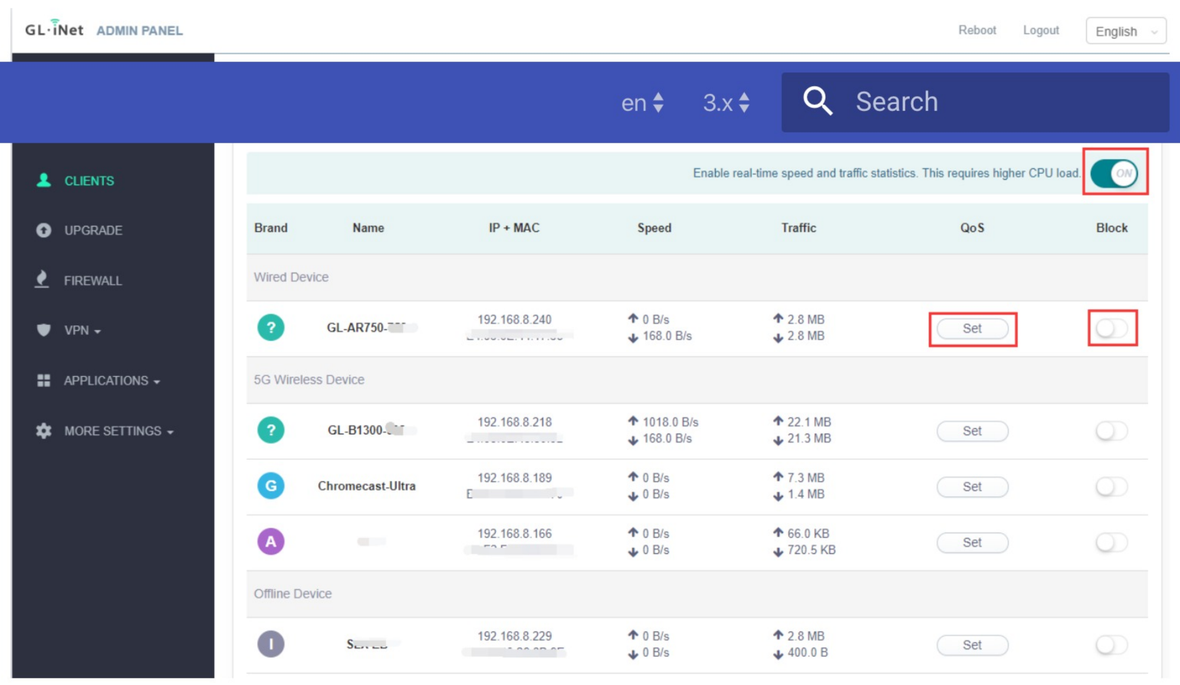
You can manage all connected devices in `CLIENTS`.

You can see their name, IP, MAC address and connection type.

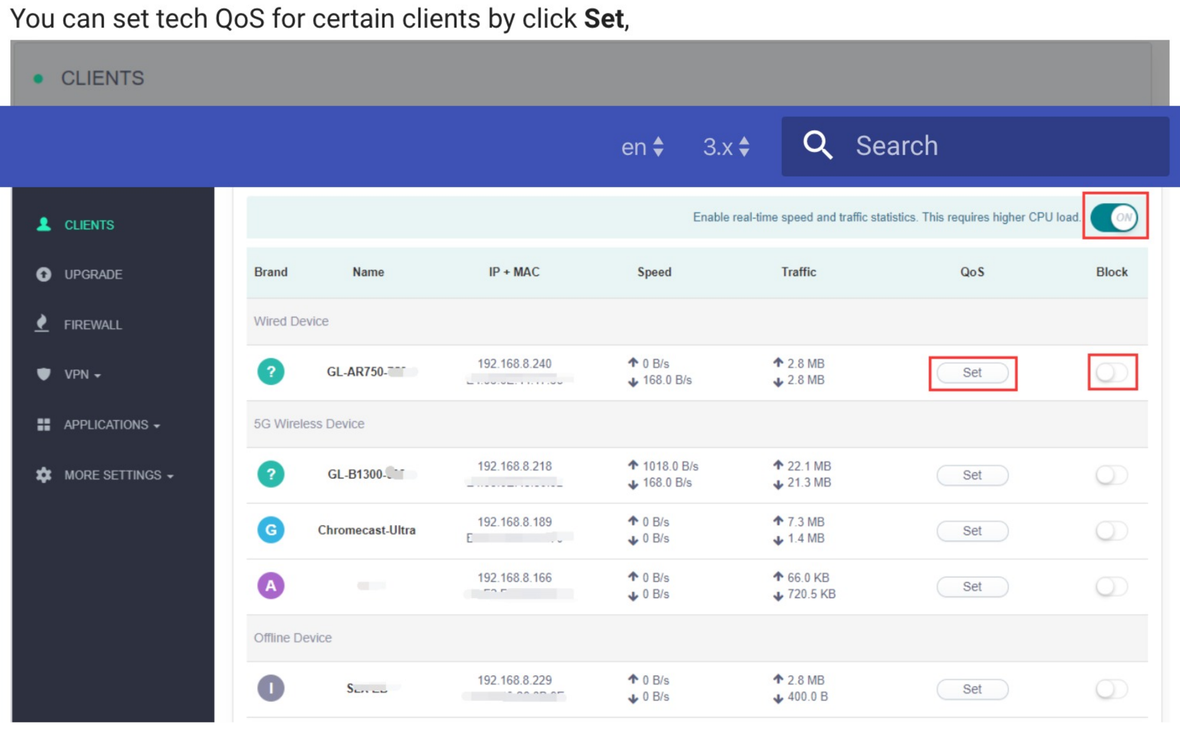


After you turn on Enable real-time speed and traffic statistics.

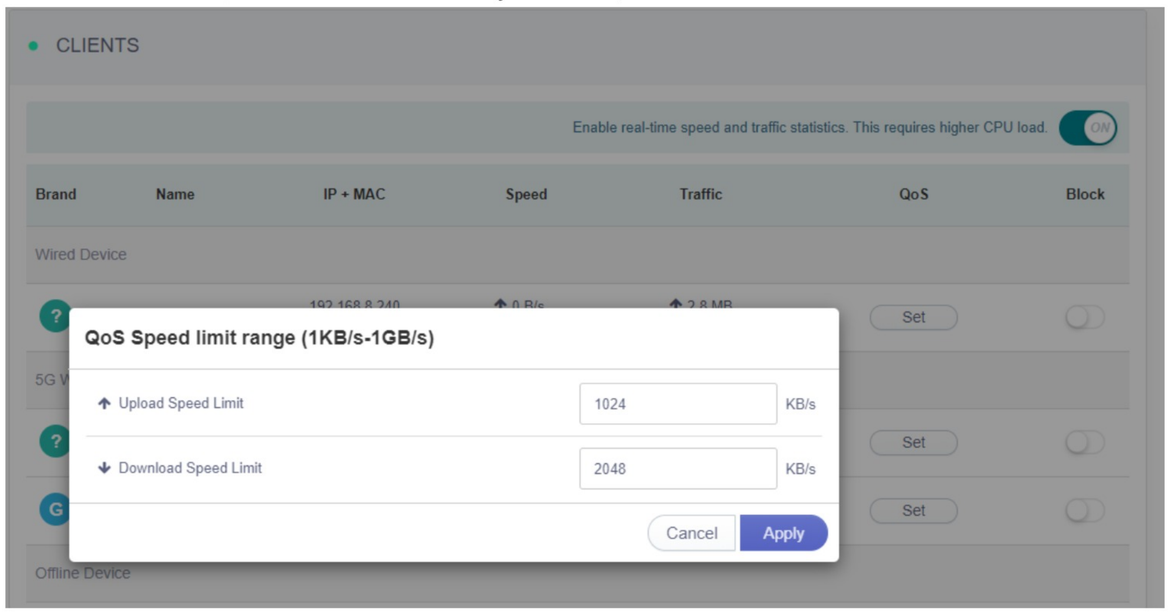
You can see all devices' traffic and speed information, click the button on the right to block any unwanted clients.



You can set tech QoS for certain clients by click **Set**,



You can set tech QoS for certain clients by click **Set**,



Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

UPGRADE

Click `UPGRADE` to check any available update and upgrade the firmware.

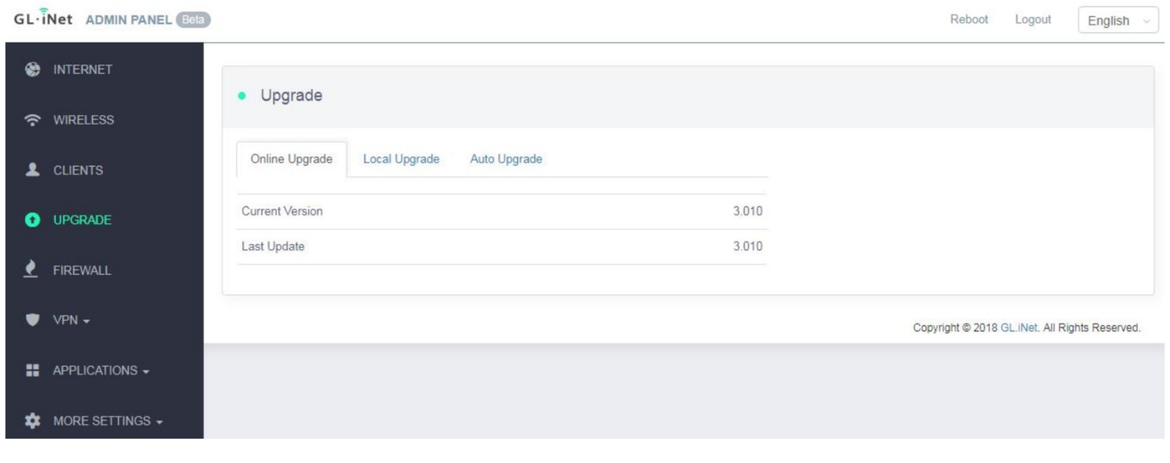
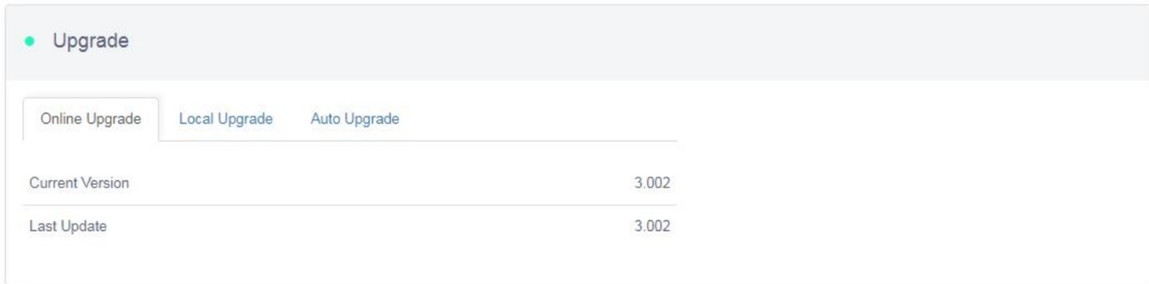


Table of contents
Online Upgrade
Upload Firmware
Official OpenWrt/LEDE firmware
Compile your own firmware
Auto Upgrade

Online Upgrade

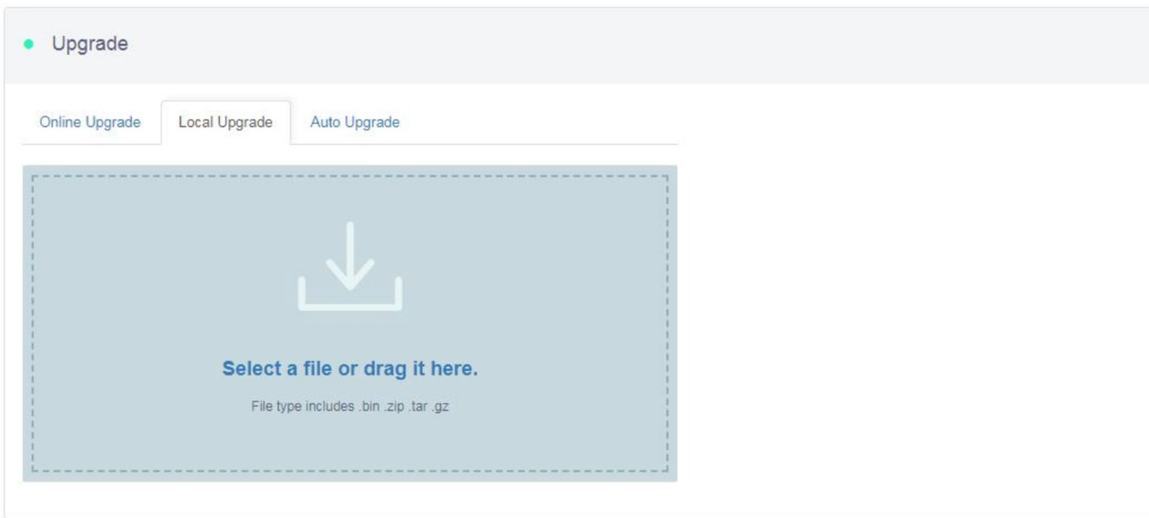
You can find the current firmware version here. If your router is connected to the Internet, it will check for the newer firmware version available for download.



*Note: It is suggested to uncheck **Keep setting**. If you keep the settings and encounter problems after the upgrade, please reset the router.*

Upload Firmware

Click `Local Upgrade` to upload a firmware file to the router. Simply drag and drop your firmware file to the area indicated.



Official OpenWrt/LEDE firmware

You can download the official firmware from our website.

- GL-AR750: https://dl.gl-inet.com/firmware/ar750/
- GL-AR750S (Slate): https://dl.gl-inet.com/firmware/ar750s/

Find the available firmwares from the folder according to your device model, and they are located in different sub-folders:

V1/release: Official GL.iNet OpenWrt/LEDE firmware.

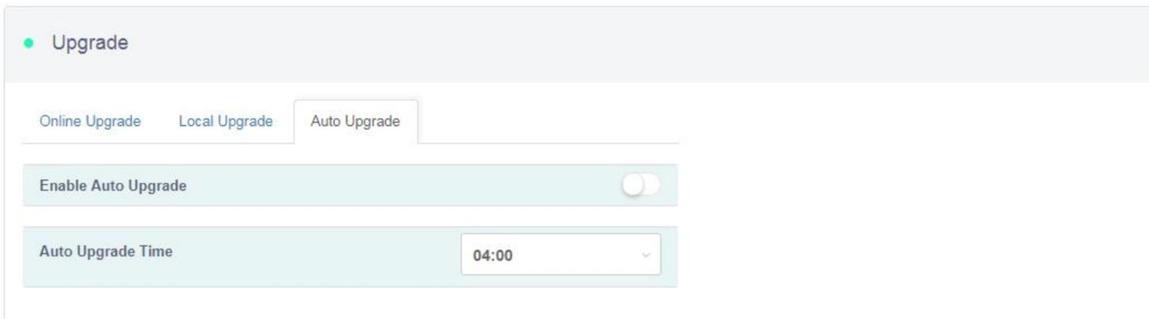
testing: Beta version of GL.iNet OpenWrt/LEDE firmware.

Compile your own firmware

You can compile your own firmware and flash to the router. Please refer to github.com/domino-team/openwrt-cc.

Auto Upgrade

You can enable auto upgrade. The router will search for available update and upgrade automatically according to the time that you set.



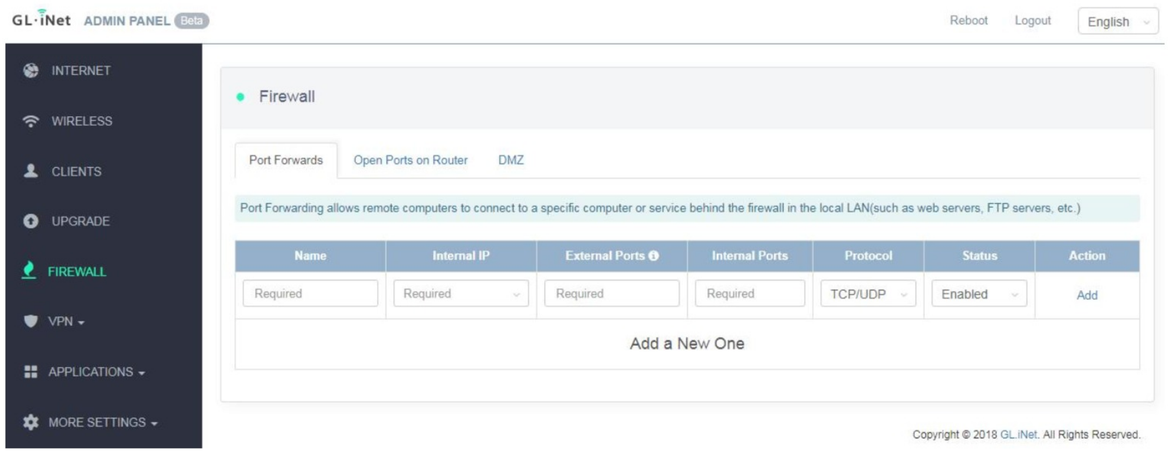
Copyright © 2020 GL Technologies & Microuter Technologies
powered by MkDocs and Material for MkDocs

Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

FIREWALL

Table of contents
Port Forwards
Open Ports on Router
DMZ

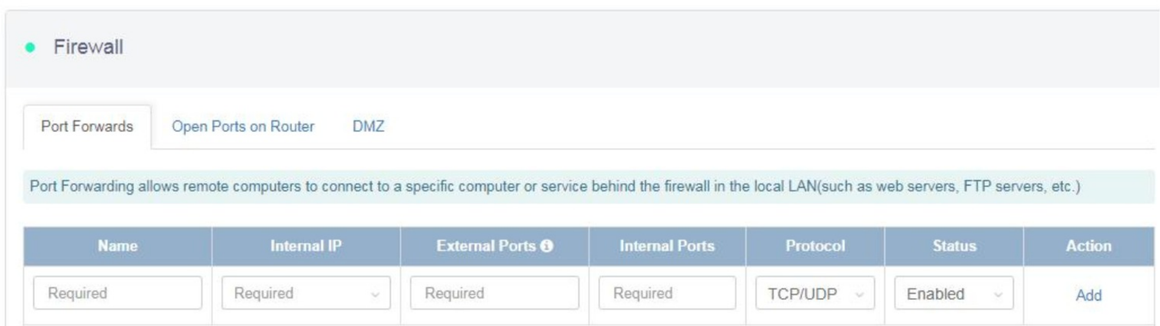
In `FIREWALL`, you can set up firewall rules like **port forwarding**, **open port** and **DMZ**.



Port Forwards

Port Forwarding allows remote computers to connect to a specific computer or service behind the firewall in the local LAN (such as web servers, FTP servers, etc).

To set up port forwarding, click `Port Forwards` and input the required parameters or click `Add a New One`.



Name: The name of the rule which can be specified by the user.

Internal IP: The IP address assigned by the router to the device which needs to be accessed remotely.

External Ports: The numbers of external ports. You can enter a specific port number or a range of service ports (E.g **100-300**).

Internal Ports: The internal port number of the device. You can enter a specific port number. Leave it blank if it is same as the external port.

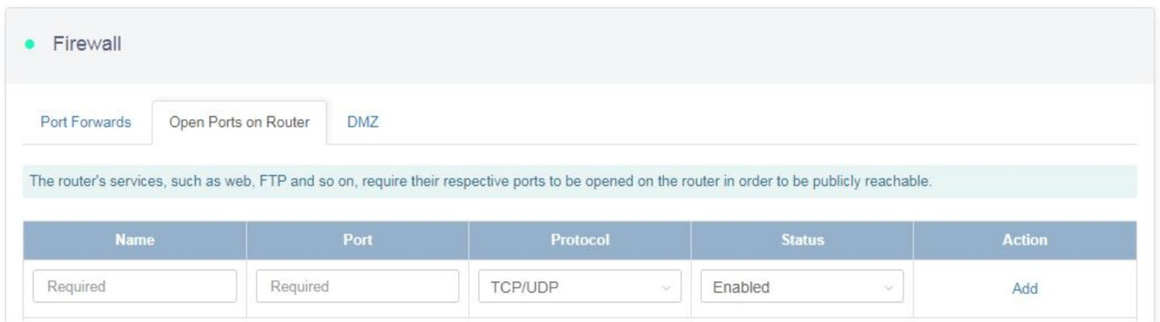
Protocol: The protocol used, you can choose TCP, UDP, or both TCP and UDP.

Status: Activate of Deactivate the rule.

Open Ports on Router

The router's services, such as web, FTP and so on, require their respective ports to be opened on the router in order to be publicly reachable.

To open a port, click `Open Ports on Router` and input the required parameters or click `Add a New One`.



Name: The name of the rule which can be specified by the user.

Port: The port number that you want to open.

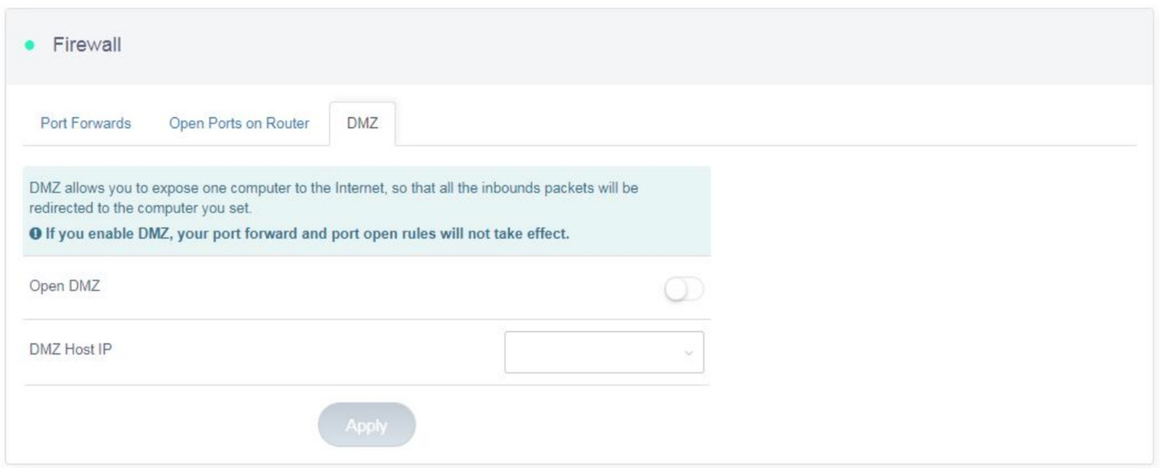
Protocol: The protocol used, you can choose TCP, UDP, or both TCP and UDP.

Status: Activate of Deactivate the rule.

DMZ

DMZ allows you to expose one computer to the Internet, so that all the inbounds packets will be redirected to the computer you set.

Click `DMZ` and enable `Open DMZ`. Input the internal IP address (E.g. 192.168.8.100) of your device which is going to receive all the inbound packets.



Copyright © 2020 GL Technologies & Microuter Technologies
powered by MkDocs and Material for MkDocs

Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

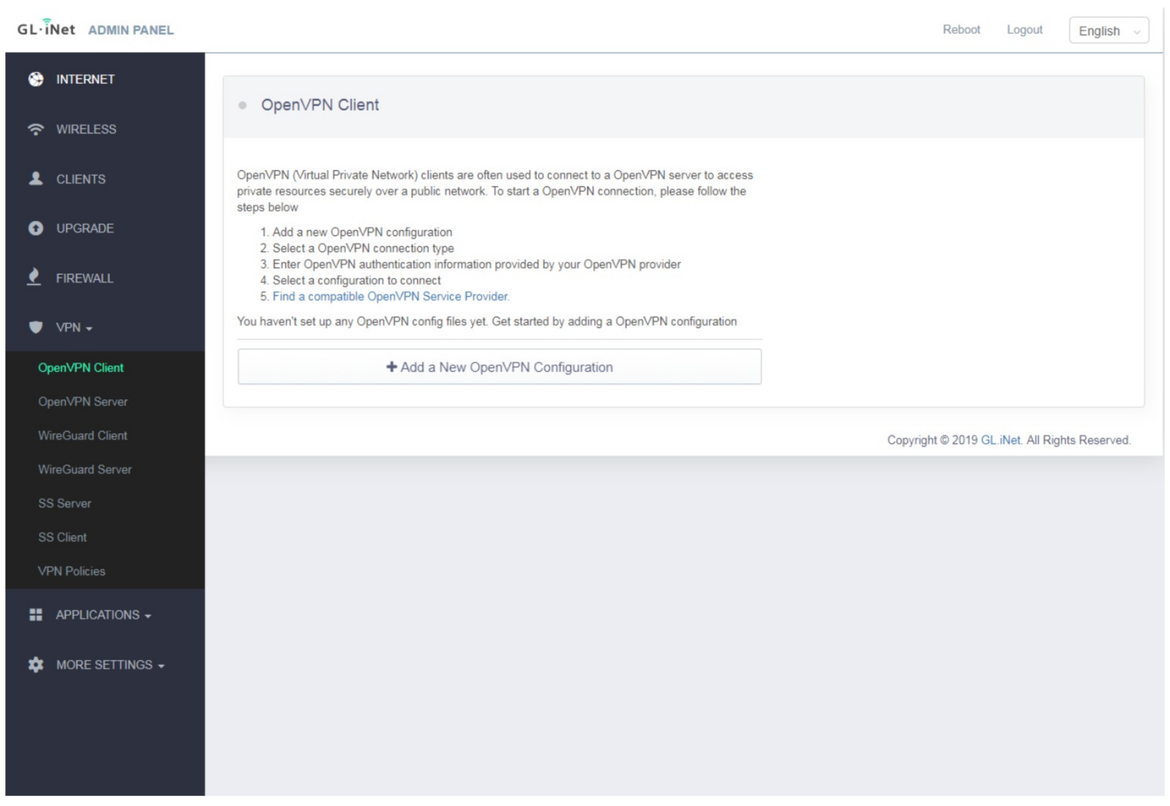
VPN

GL.iNet routers have pre-installed VPN server and client in OpenVPN and WireGuard.

Shadowsocks is not a default function and you need to install packages in Plug-ins.

Please refer to the links below for the detailed setup instruction:

- **OpenVPN**
- **WireGuard**
- **Shadowsocks**

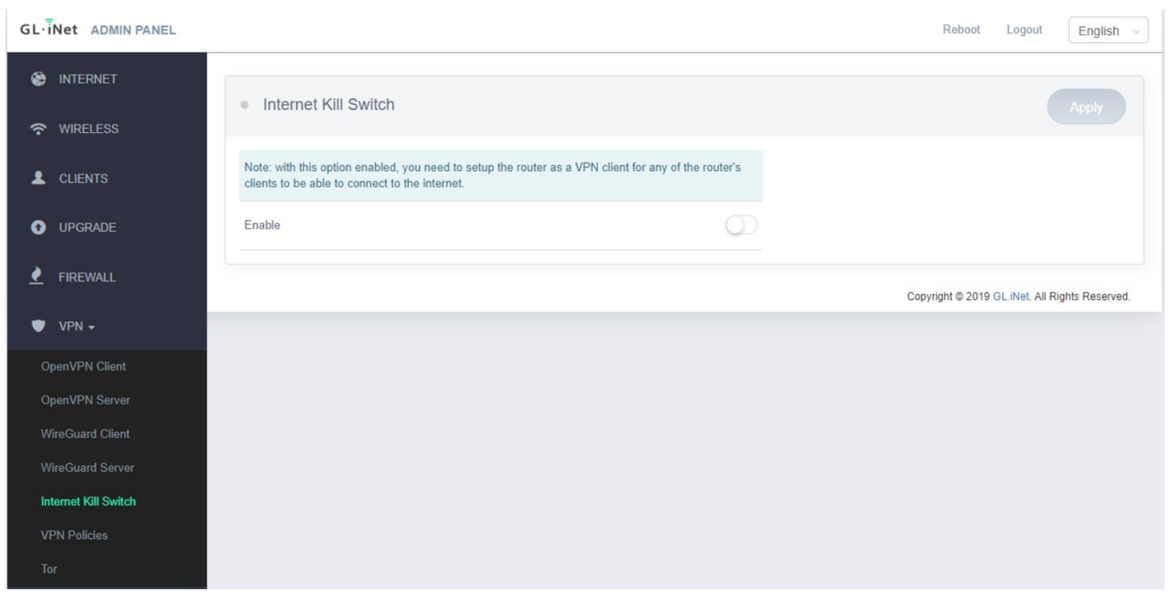


Internet Kill Switch

Starting from firmware version 3.100,

Please refer to the links below for the detailed setup instruction:

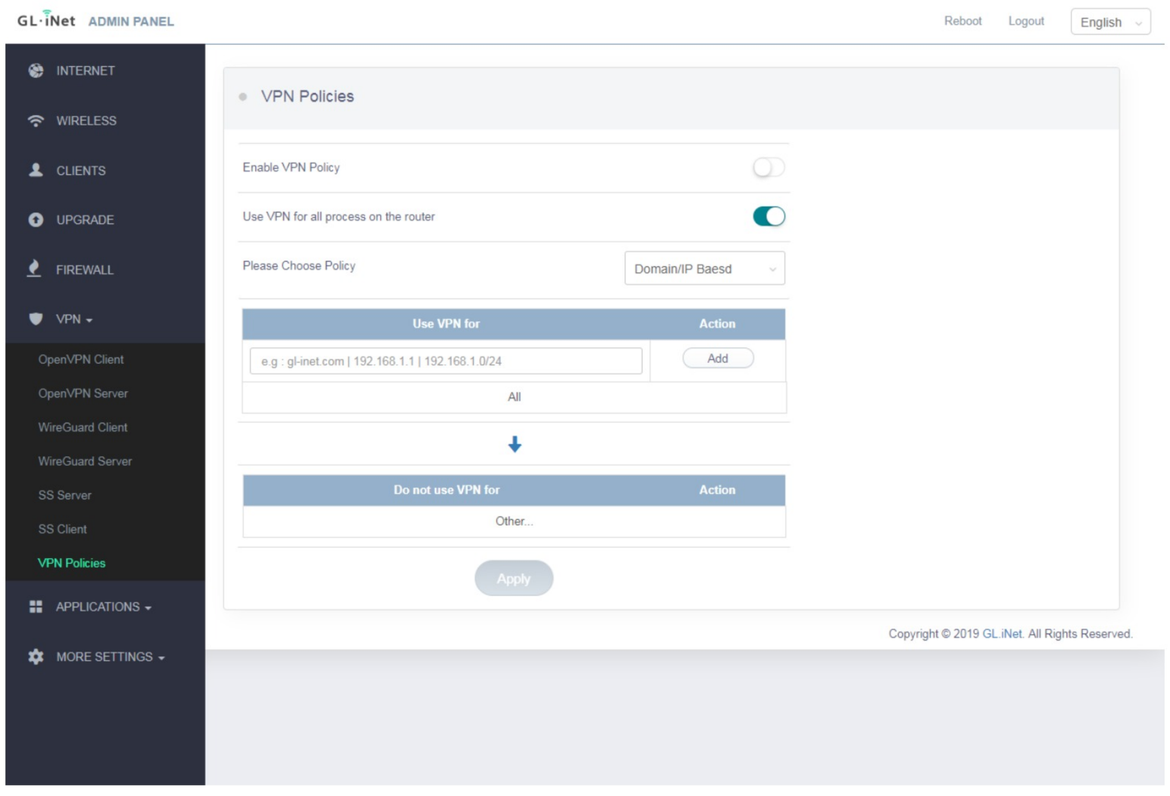
- **Internet Kill Switch**



Starting from firmware version 3.022, users can define VPN routing policies.

Please refer to the links below for the detailed setup instruction:

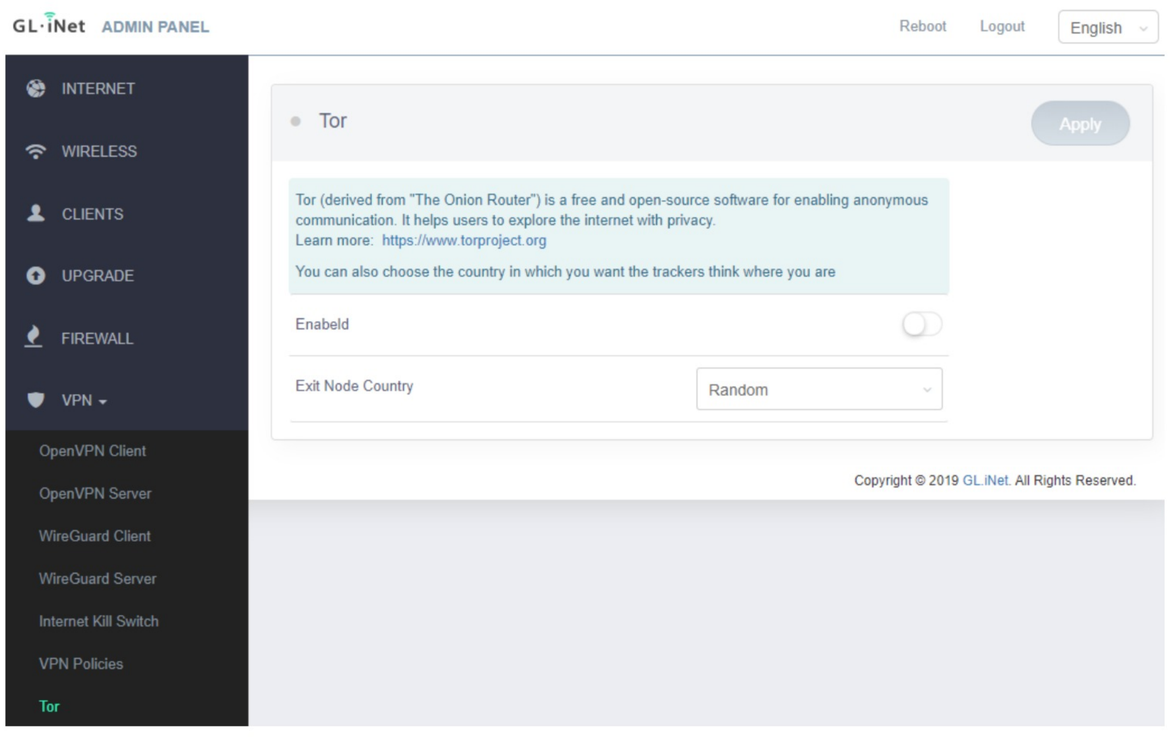
- **VPN Policies**



Tor feature is builded in from V3.100.

Please refer to the links below for the detailed setup instruction:

- **Tor**



Copyright © 2020 GL Technologies & Microuter Technologies
powered by MkDocs and Material for MkDocs

Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

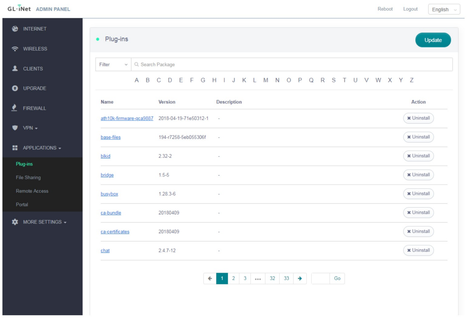
APPLICATIONS

Table of contents
Plug-ins
File Sharing
DDNS
Cloud
Portal

Plug-ins

Plug-ins allows you to manage OpenWrt packages. You can install or remove any package.

Remember to click `Update` whenever you access this packages repository.



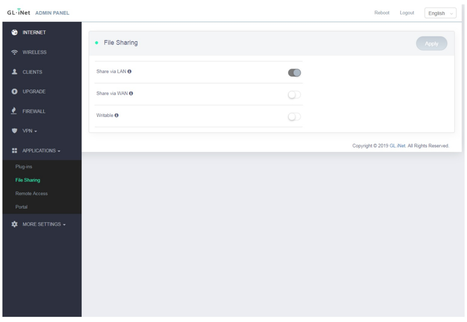
File Sharing

You can use an external USB storage or a MicroSD card with GL.iNet router. The file sharing features of the external storage device can be configured in **File Sharing**.

Share via LAN: Share the contents of the external storage device with all connected clients.

Share via WAN: The contents of the external storage device can be accessed from the WAN.

Writable: The contents of the external storage device can be edited.



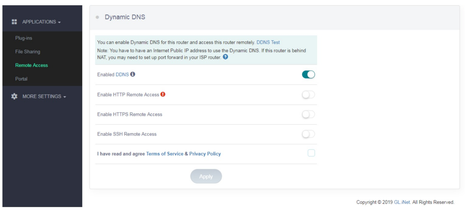
For the guidance on how to access the contents of the external storage device from your computer or smart phone, please refer to file sharing.

DDNS

Dynamic Domain Name Service(DDNS) is a service used to map a domain name to the dynamic IP address of a network device.

You can remotely access your router by url though this function.

In 3.021 version or above it is a default function, other 3.0 version need to install packages in Plug-ins.



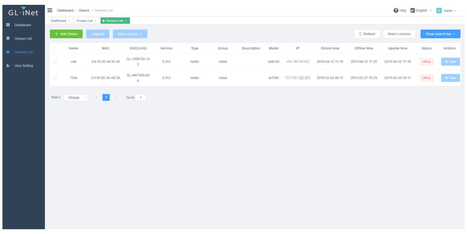
For the guidance on how to set DDNS and access, please refer to DDNS.

Cloud

GL.iNet GoodCloud cloud management services provide an easy and simple way to remotely manage routers.

In our website, you can remotely check your router status, change the password, control clients, even set email alarm when a device is online or offline.

In 3.021 version or above it is a default function, other 3.0 version need to install packages in Plug-ins.

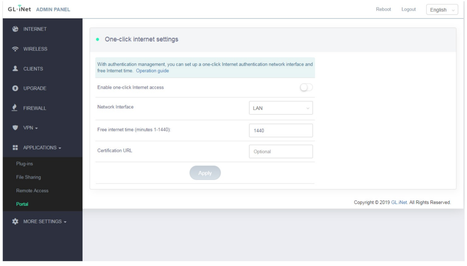


For the details, please refer to Cloud.

Portal

You can set a **captival portal** in our routers, when newly users connect to wifi, they need to access a web page before access the internet.

Only support 3.022 version or above.



For the setup guidance, please refer to Set a Captive portal.

Copyright © 2020 GL Technologies & Microuter Technologies
powered by MkDocs and Material for MkDocs

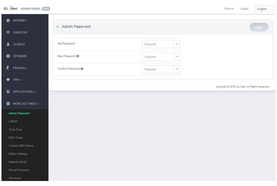
Travel AC Router
First-time Setup
Internet
Wireless
Clients
Upgrade
Firewall
VPN
Applications
More Settings

MORE SETTINGS

Table of contents
Admin Password
LAN IP
Time Zone
MAC Clone
Custom DNS Server
Button Settings
Network Mode
Revert Firmware
Advanced

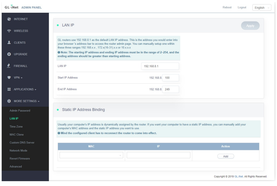
Admin Password

Change the password of the web Admin Panel, which must be at least 5 characters long. You have to input your current password in order to change it.



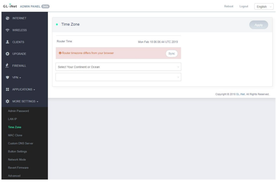
LAN IP

LAN IP is the IP address that you use to connect to this router. The default IP address of GL.iNet router is 192.168.8.1. If it conflicts with the IP address of your main router, you can change it.



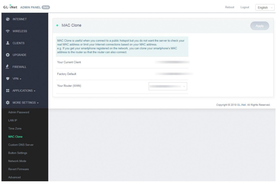
Time Zone

The time of the router's activities will be recorded according to the router time. Therefore, choosing the time zone of your location is recommended.



MAC Clone

Clone the MAC address of your current client to the router. It is used especially in hotel when the network checks your MAC address. For example, if you got your smartphone registered on the network, you can clone the MAC address of your smartphone to the router so that the router can also connect to the network.



Custom DNS Server

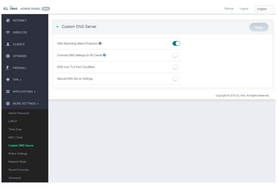
You can configure the DNS server of the router in order to prevent DNS leak or other purposes.

DNS Rebinding Attack Protection: Some network may require authentication in captive portal. Disable this option if the captive portal of your network cannot be resolved.

Override DNS Settings for All Clients: Enabling this option will capture DNS request from all connected clients.

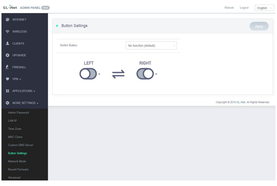
DNS over TLS from Cloudflare: Cloudflare DNS over TLS uses the TLS security protocol for encrypting DNS queries, which helps increase privacy and prevent eavesdropping.

Manual DNS Server Settings: Input a custom DNS server manually.



Button Settings

Configure the function of the mode switch. It doesn't have any function by default. You can set it as a toggle to turn on or off Wireguard/OpenVPN client.



Network Mode

Change the network mode to cater your usage scenario. You may need to reconnect your client device whenever you change the network mode of the router.

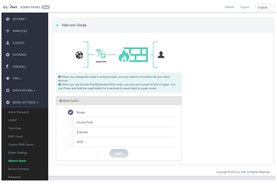
Be aware that you may not be able to access the web Admin Panel with the default IP 192.168.8.1 if you use the router in **Access Point**, **Extender** or **WDS** mode. If you want to access the web Admin Panel in this case, you have to use the IP address assigned by the main router to the GL.iNet router.

Router: Create your own private network. The router will act as NAT, firewall and DHCP server.

Access Point: Connect to a wired network and broadcast a wireless network.

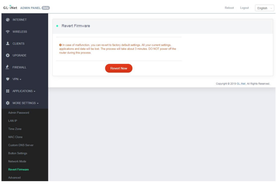
Extender: Extend the Wi-Fi coverage of an existing wireless network.

WDS: Similar to Extender, please choose WDS if your main router supports WDS mode.



Revert Firmware

Revert the router to factory default settings. All your settings, applications and data will be erased.



Advanced

Click `Advanced` to direct to Luci which is the default web interface of OpenWrt. You can check the detailed system log or conduct more advanced configurations there.

*Note: The username is **root**. The password is same as the one that you use to access the web Admin Panel.*

Copyright © 2020 GL Technologies & Microvtor Technologies
powered by MkDocs and Material for MkDocs