



INTERGEAR

User Guide

Home Internet Router



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1. Inside the box

Thank you for choosing Home Internet Router (Model Num. xxxxxxxx). Once you open the product package, you should find the following items inside:

Home Internet Router



Power Adapter

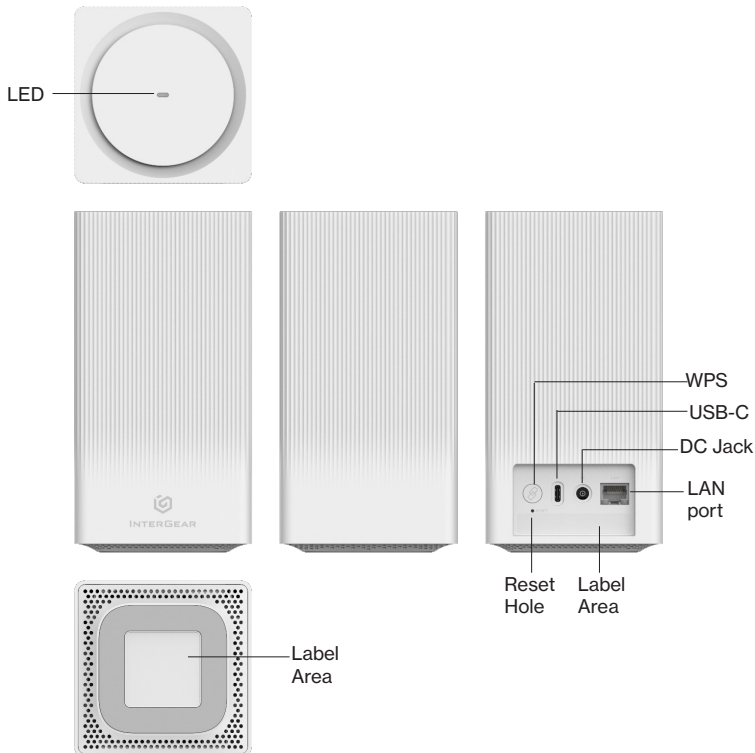


2. Introducing Your Home Internet Router

Supporting 5G NR, 4G LTE and Wi-Fi 6 multi-connectivity, the latest Home Internet Router is the optimal device for delivering ultra-fast and secure wireless networks for your connected devices.

Offering connectivity to up to 128 devices within predefined range, you can share this express Internet service simultaneously with people in your place. The Home Internet Router also features bandsteering that assigns connected devices between 2.4GHz and 5GHz wireless networks to optimize bandwidths. It also includes security filtering and parental controls to help you keep track of your users and to offer greater protection in your online environment. Setting up your own passwords or removing devices from your router is all within your control.

Take a quick tour of your device.














*Network performance varies depending on the available frequency bands in places where the router is in use.











2.1 Parts and Functions

Parts	Description
LED	Indicate the status of power and connectivity, as well as WPS connectivity.
LAN port	One RJ-45 GbE LAN port for connection with external device through Ethernet cable (not included).
USB-C 2.0	USB Type-C 2.0 port
DC IN	DC Power In - The DC power jack that connects the 5G Internet Router to a power outlet.
WPS button	Push this button to enable WPS (Wi-Fi Protected Setup). Use WPS to add supported Wi-Fi devices to your network. Remember to enable WPS on the Wi-Fi devices you wish to add.
Reset pin hole	Press the reset pin hole with pin to force a cold reset of your router. Your router will return to factory default setting. Only use the Reset when you experience issues with the router or have to revert all the settings you have configured for the router.
Label	The label provides default URL and password for you to connect to wireless network at the first time you set up this device. The label also provides information about the product's ID and regulatory standards.

2.2 LED Status and Indications

LED Mode	Status	LED Pattern
Bootup	System Off	Off 
	System Booting	Soft Blink White 
	Firmware Update (FOTA)	Fast Blink White 
Cellular signal (or after single-clicking the pair button)	Passing Signal	Solid White 
	No Signal, Cold SIM	Solid Red 
	No SIM Card	Hard Blink Red 
Regular usage	Setup Complete	50% Bright White 
	Wi-Fi Disabled by User	Solid Green 
Paring	WPS Pairing	Hard Blink Blue 
Other	Factory Reset	Fast Blink Lime 
	FW Error	Soft Blink Red 

2.3 Ethernet Port LED Mode

Ethernet Port LED Mode	Status	Left LED	Right LED
Wired LAN connection	Ethernet > 100M* Link	Off 	Solid White 
	Ethernet > 100M* Activity	Off 	Blinking White 
	Ethernet < 100M* Link	Solid Yellow 	Off 
	Ethernet < 100M* Activity	Blinking Yellow 	Off 
	No Ethernet Connection	Off 	Off 

Note about *: Threshold level can be determined based on port capability.

3. Setting Up Your Home Internet Router

Your Home Internet Router comes with a pre-installed SIM card.

The following sections will help you connect and configure your device to the network.

3.1 Positioning Your Router

Before setting up the router, it is recommended to take the following notes into consideration for optimal signal strength:

- Near a window where the signal is mostly uninterrupted
- On a flat surface
- Keep a minimum distance of 20 centimeters between the router and your body
- In an open space with as few blocking objects or obstructions as possible. For instance, make sure the number of walls and ceilings between the router and your wireless devices are minimized
- Elevated surface
- Keep the router away from 802.11g or 20MHz only Wi-Fi devices, 2.4GHz computer peripherals, Bluetooth devices, cordless phones, heavy-duty motors, fluorescent lights, and some industrial equipments that may generate signal interferences with your router.
- Do not place heavy objects on the device, for instance, sitting on the device.
- Avoid positioning it
 - next to a wall that may obstruct the signal
 - near heavy-duty appliances
 - close to metal fixtures, enclosures, cabinets, or thick concrete.
 - in a basement
 - on the floor or lower surface

Note: Try not to reposition the router if the signal is good. If the position of the installation changes, the signal strength may be affected.

3.2 Setup Requirements

To configure wireless network with a PC, your computer shall meet the following requirements:

- For Wired Connection --> Ethernet RJ 45 (LAN) port (10Base T/100Base TX/1000BaseTX)
- For Wi-Fi Connection --> IEEE 802.11a/b/g/n/ac /ax wireless capability
- TCP/IP protocol support
- Web browser such as Microsoft Edge , Firefox, Safari, or Google Chrome

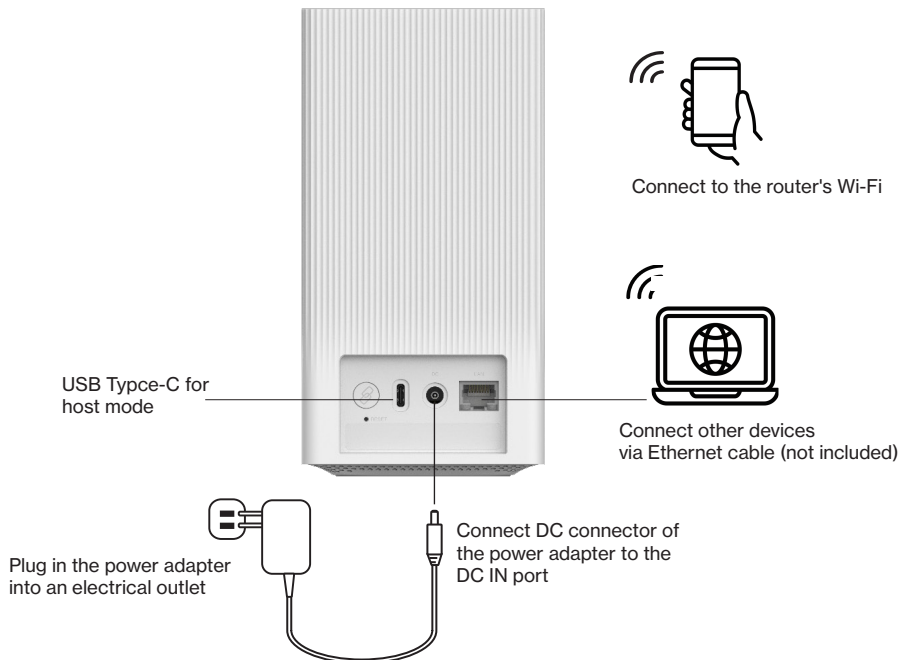
3.3 Setting Up

1. Connect the included Power Adapter to the DC IN power port of the router.
2. Plug the Power Adapter to an electrical outlet.
3. Wait for a short moment for the router to power up and connect to 4G LTE/5G network.
4. The LED shall display ON and settles solid soon after powering up.
5. Your Internet device shall be able to connect to the Wi-Fi network of your router named **Intergear_5G (TBD)**.

For information about the default password of the router's Wi-Fi network, check the product label on the bottom side of your router.

Connecting via Ethernet

- The router can connect to other devices via Ethernet connections. Use an Ethernet cable (not included) and plug one end into the LAN port of the router (as shown below), and plug another end of the cable into an available LAN port of the other device.



4. Logging Into Your Home Internet Router

After connecting your device to your router, you can log in to your router's Web User Interface (Web UI) to access network information such as connected devices and data usage, and to configure the setting and functions, such as Wi-Fi security. You may log to the Web UI through a computer or a mobile device.

The following sections will describe how to access the Web UI and perform your configurations.

4.1 Connect and Log in via Wi-Fi

1. You can automatically connect your device by scanning the QR code on the product label. To connect manually, move to step 2.
2. Scan available Wi-Fi networks with your mobile device (the image below is a sample screenshot from a mobile phone).
3. Select the Wi-Fi network named **Intergear_5G (TBD)**, which is the default Wi-Fi network name shown in your router's product label on the bottom side.
4. Enter your Wi-Fi password , which can also be found on your router 's product label on the bottom side of the unit.
5. Open a web browser and enter the router's default Admin URL **http://192.168.0.1** in the address bar and enter the default Admin Password (displayed on your router 's product label on the bottom side of the unit).
6. Click Login.

OpenWrt

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.

Authorization Required
Please enter your username and password.

Username

Password

[Login](#) [Reset](#)

Powered by LuCI CYP(dev)EXTERNAL/7f50/1907mp/V1.28/BSP-branch (git-22.257.33231-0e8a865) / OpenWrt 19.07-SNAPSHOT r0+11018-0e8a865e60

Note: once login is successful, it is recommended to set the password first for securing the web interface. Go to **System** --> **Administration** to set router password.

4.2 Connect and Log in via Ethernet

1. You can use an Ethernet cable (not included) to connect your computer to the router 's LAN port for configuration (as illustrated in **3.3 Setting UP**).
2. Open a web browser and enter the router 's default Admin URL **http://192.168.0.1** the address bar and enter the default Admin Password (displayed on your router 's product label on the bottom side of the unit).
3. Click Login.

OpenWrt

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.

Authorization Required
Please enter your username and password

Username

Password

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Note: once login is successful, it is recommended to set the password first for securing the web interface. Go to **System --> Administration** to set router password.


5. Configuring Your Router with the Web UI

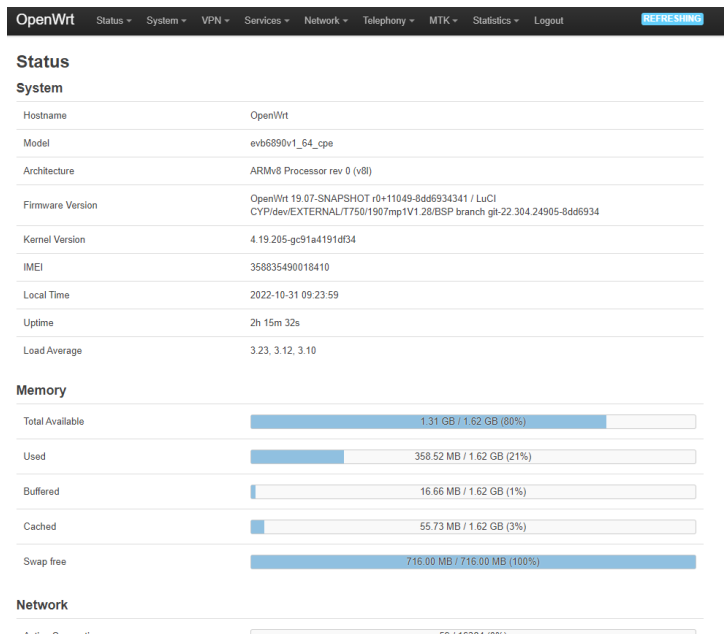
You can configure functions of your router on the Web UI. To access the Web UI, open a web browser and enter the router's admin address **http://192.168.0.1** in the address bar.

5.1 Status

> Status

The **Status** page is the home page of the Web UI, displaying general status information for your router covering System, Memory, Network, DHCP, and Dynamic DNS.

The task bar on top offers accesses to configure specific functions of your router. Use the drop-down arrow to open their sub-menu .



System	
Hostname	OpenWrt
Model	evb6890v1_64_cpe
Architecture	ARMv8 Processor rev 0 (v8l)
Firmware Version	OpenWrt 19.07-SNAPSHOT r0+11049-8d6f6934341 / LuCI CYP/dev/EXTERNAL/T750/1907mp1V1.28/BSP branch git:22.304.24905-8dd6934
Kernel Version	4.19.205-gc91a4191df34
IMEI	358835490018410
Local Time	2022-10-31 09:23:59
Uptime	2h 15m 32s
Load Average	3.23, 3.12, 3.10

Memory	
Total Available	1.31 GB / 1.62 GB (80%)
Used	358.52 MB / 1.62 GB (21%)
Buffered	16.66 MB / 1.62 GB (1%)
Cached	55.73 MB / 1.62 GB (3%)
Swap free	716.00 MB / 716.00 MB (100%)

Network	
Active Connections	56 / 4096 (1%)

Note: the images in this chapter serves as reference only and are subject to change due to future updates without prior notices.

Introducing the Task Bar

Status

Use the drop-down arrow  to access the following options:

- Overview
- Firewall
- Routes
- Processes
- Realtime Graphs
- VnStat Traffic Monitor

System

Use the drop-down arrow  to access the following options:

- System
- Administration
- Software
- Startup
- Scheduled Tasks
- LED Configuration
- Back up / Flash Firmware
- Reboot

VPN

Use the drop-down arrow  to access the following options:

- OpenVPN
- VPN Bypass

Services

Use the drop-down arrow  to access the following options:


- Dynamic DNS
- uHTTPd

Network

Use the drop-down arrow  to access the following options:


- Interfaces
- DHCP and DNS
- Hostnames
- Static Routes
- Firewall
- Diagnostics
- Configure Diagnostics
- QoS
- IP Security

Telephony

Use the drop-down arrow  to access the following options:

- Overview

MTK

Use the drop-down arrow  to access the following options:

- WiFi configuration
- EasyMesh

Statistics

Use the drop-down arrow  to access the following options:

- Graphs
- Setup

Logout

Click it to log out the Web UI.

5.1.1 Overview

> Status > Overview

From the Overview, you can view general status information for your router covering System, Memory, Network, DHCP, and Dynamic DNS.

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout REFRESHING

Status

System

Hostname	OpenWrt
Model	evb6890v1_64_cpe
Architecture	ARMv8 Processor rev 0 (v8l)
Firmware Version	OpenWrt 19.07-SNAPSHOT r0+11049-8dd6934341 / LuCI CYPIddev/EXTERNAL/T750/1907mp/1V1.26/BSP branch gh-22.304.24905-8dd6934
Kernel Version	4.19.205-gc91a4191df34
IMEI	358835490018410
Local Time	2022-10-31 09:25:19
Uptime	2h 16m 52s
Load Average	3.06, 3.09, 3.09

Memory

Total Available	 1.31 GB / 1.62 GB (80%)
Used	 368.52 MB / 1.62 GB (21%)
Buffered	 16.67 MB / 1.62 GB (1%)
Cached	 55.73 MB / 1.62 GB (3%)
Swap free	 716.00 MB / 716.00 MB (100%)

Network

Active Connections	 64 / 16384 (0%)
--------------------	---

Active DHCP Leases

Hostname	IPv4-Address	MAC-Address	Leasetime remaining
JackSNHau	192.168.0.153	7C:D3:0A:90:7F:71	10h 25m 51s

Active DHCPv6 Leases

5.1.2 Firewall

> Status > Firewall

From the **Firewall Status**, you may click [IPv4 Firewall](#) or [IPv6 Firewall](#) to view their respective status. By default, the firewall status is displayed in multiple IP tables, chains, and policies.

To change your viewing preferences, you may click [Hide empty chains](#), [Reset Counters](#), and [Restart Firewalls](#).

OpenWrt Status - System - VPN - Services - Network - Telephony - MTK - Statistics - Logout [REFRESHING](#)

Firewall Status

[IPv4 Firewall](#) | [IPv6 Firewall](#)

[Hide empty chains](#)

[Reset Counters](#)

[Restart Firewall](#)

Table: Filter

Chain INPUT (Policy: ACCEPT, 0 Packets, 0 B Traffic)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options	Comment
1.88 K	139.04 KB	ACCEPT	all	lo	*	0.0.0.0/0	0.0.0.0/0	-	-
12.58 K	1.66 MB	input_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	-	Custom input rule chain
8.33 K	1.36 MB	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate RELATED,ESTABLISHED	-
346	17.99 KB	syn_flood	tcp	*	*	0.0.0.0/0	0.0.0.0/0	tcp flags:0x17/0x02	-
4.25 K	301.75 KB	zone_lan_input	all	br-lan	*	0.0.0.0/0	0.0.0.0/0	-	-
0	0 B	zone_wan_input	all	eth1	*	0.0.0.0/0	0.0.0.0/0	-	-

Chain FORWARD (Policy: DROP, 0 Packets, 0 B Traffic)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options	Comment
0	0 B	IP_LEAKAGE_PROTECT	all	*	*	0.0.0.0/0	0.0.0.0/0	-	-
0	0 B	forwarding_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	-	Custom forwarding rule chain
0	0 B	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate RELATED,ESTABLISHED	-
0	0 B	zone_lan_forward	all	br-lan	*	0.0.0.0/0	0.0.0.0/0	-	-
0	0 B	zone_wan_forward	all	eth1	*	0.0.0.0/0	0.0.0.0/0	-	-
0	0 B	reject	all	*	*	0.0.0.0/0	0.0.0.0/0	-	-

Chain OUTPUT (Policy: ACCEPT, 0 Packets, 0 B Traffic)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options	Comment
1.88 K	139.04 KB	ACCEPT	all	*	lo	0.0.0.0/0	0.0.0.0/0	-	-
12.69 K	9.09 MB	output_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	-	Custom output rule chain

Hide empty chains

Click to hide/show empty chains

Reset Counters

Click to reset counters for the firewall rules

Restart Firewall

Click to restart the firewall if necessary

5.1.3 Routes

> **Status** > **Routes**

The **Routes** page displays currently active rules of your network such as ARP, IPv4 Routes, IPv6 Neighbors, and IPv6 Routes, each with its attributes and parameters displayed, such as MAC address, IP address, network, table, and interface.

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

Routes

The following rules are currently active on this system.

ARP

IPv4-Address	MAC-Address	Interface
192.168.0.153	7C:D3:0A:90:7F:71	lan

Active IPv4-Routes

Network	Target	IPv4-Gateway	Metric	Table
lan	192.168.0.0/24	-	0	main

IPv6 Neighbours

IPv6-Address	MAC-Address	Interface
--------------	-------------	-----------

Active IPv6-Routes

Network	Target	Source	Metric	Table
---------	--------	--------	--------	-------

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5.1.4 Processes

> Status > Processes

From the **Processes** page, you can view the currently running system processes and their respective status

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

Processes

This list gives an overview over currently running system processes and their status.

PID	Owner	Command	CPU usage (%)	Memory usage (%)
No information available				

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5.1.5 Realtime Graphs

> Status > Realtime Graphs

From the **Realtime Graphs** page, you can select to view realtime status graphs by **Load**, **Traffic**, or **Connection**.

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout **REFRESHING**

Load **Traffic** Connections

1 Minute Load: 3.07	Average: 2.96	Peak: 3.09
5 Minute Load: 3.08	Average: 2.99	Peak: 3.08
15 Minute Load: 3.08	Average: 2.99	Peak: 3.08

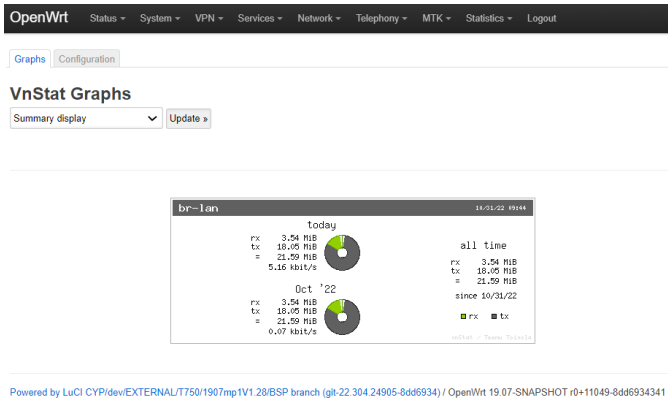
Powered by LuCI CYPidew/EXTERNAL/T750/1907mp1V1.28/BSP branch (git-22.304.24905-8dd6934) / OpenWrt 19.07-SNAPSHOT r0+11049-8dd6934341

5.1.6 VnStat Traffic Monitor

> Status > VnStat Traffic Monitor

The VnStat Graphs displays transmit/receive status in pie charts of your network. You may use the drop-down menu to select your display preferences by Summary display, Top 10 display, Hourly traffic, Daily traffic, or Monthly traffic.

You may also click [Configuration](#) to view graphs about your configurations.



In [Configuration](#) you can select your VnStat monitoring by interfaces.

Powered by LuCI CYP/dev/EXTERNAL/T750/1907mp1V1.28/BSP branch (git-22.304.24905-8dd6934) / OpenWrt 19.07-SNAPSHOT r0+11049-8dd6934341

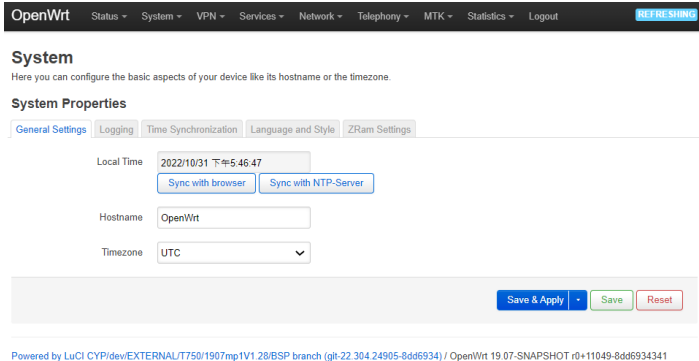
To save and apply the configurations, click **Save & Apply**.

5.2 System

> System

From the **System Properties**, you can configure the basic aspects of your router, covering

- General Settings
- Logging
- Time Synchronization
- Language and Style
- ZRam Settings



General Settings

Configure the local time, hostname and timezone.

Logging

View or configure system log, like buffer size, external server, server port, server protocol, write to file, or output level.

Time Synchronization

Configure NTP settings, such as NTP client, NTP server, and NTP server candidates.

Language and Style

Set the language and style for the configuration interface. The language is Auto and the style is Bootstrap by default.

ZRam Settings

Set ZRam size and compression functions.

To save and apply the configurations, click **Save & Apply**.

5.2.1 Administration

> System > Administration

From the **Administration** page, you may configure your [Router Password](#), [SSH Access](#), and [SSH-Keys](#).

The screenshot shows the OpenWrt Administration interface. At the top, there is a navigation bar with the OpenWrt logo and several menu items: Status, System, VPN, Services, Network, Telephony, MTK, Statistics, and Logout. Below the navigation bar, there are three tabs: Router Password (selected), SSH Access, and SSH-Keys. The main content area is titled "Router Password" and contains the text "Changes the administrator password for accessing the device". There are two input fields: "Password" and "Confirmation", each with a dropdown arrow on the right. At the bottom right of the form, there is a green "Save" button. Below the form, there is a small text line: "Powered by LuCI CYP/dev/EXTERNAL/T750/1907mp1V1.28/BSP branch (git-22.304.24905-8dd6934) / OpenWrt 19.07-SNAPSHOT r0+11049-8dd6934341".

Router Password

Change the password to access this router. Enter the new password again to confirm.

SSH Access

Configure Secure Shell access policies (Dropbear Instance)
Dropbear offers SSH network shell access and an integrated SCP server.
You may configure the interface, port, password authentication, gateway port, or root login with password.

You may click Add Instance to set a new SSH Access instance.

SSH-Keys

Configure Secure Shell credential keys. For instance, you may set public key that allows for the passwordless SSH logins with a higher security.

You may use an OpenSSH compatible public key.

To save and apply the configurations, click **Save & Apply**.

5.2.2 Software

> System > Software

The **Software** page displays status of free space in your router and provides options to configure the software functions of your network.

Free space: the available space in your device memory

Filter: input packet information here to filter

Download and install package: enter the package name or URL to download and install package

Actions: you may click

- **Update lists** to update the package list on the screen
- **Upload package** to upload the package you have downloaded. You may browse your device to select a file to be uploaded.
- **Configure opkg** to configure your opkg package manager. It lists the configuration files used by OPKG. Use opkg.conf for global settings and customfeeds.conf for custom repository entries.

You may view your package list sorted by [Available](#), [Installed](#), or [Updates](#).

The screenshot shows the OpenWrt web interface. At the top, there is a navigation bar with 'OpenWrt' and several menu items: Status, System, VPN, Services, Network, Telephony, MTK, Statistics, and Logout. Below this, the 'Software' section is displayed. It features a 'Free space:' indicator with a progress bar showing 96% (27.8 MB) used. There are three main input sections: 'Filter:' with a text box and a 'Clear' button; 'Download and install package:' with a text box and an 'OK' button; and 'Actions:' with three buttons: 'Update lists...', 'Upload Package...', and 'Configure opkg...'. Below these sections, there are tabs for 'Available', 'Installed', and 'Updates'. The 'Available' tab is selected, showing a message 'No packages' with left and right navigation arrows. Below this is a table with columns for 'Package name', 'Version', 'Size (.ipk)', and 'Description'. The table is currently empty, with the text 'No information available' displayed below it.

Powered by LuCI CYP/dev/EXTERNAL/7750/1907mp1V1.28/BSP branch (git-22.304.24905-8dd6934) / OpenWrt 19.07-SNAPSHOT r0+11049-8dd6934341

5.2.3 Startup

> System > Startup

The **Startup** page allows you to configure [Initscripts](#) or [Local Startup](#).

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

Startup

[Initscripts](#) | [Local Startup](#)

You can enable or disable installed init scripts here. Changes will be applied after a device reboot.
Warning: If you disable essential init scripts like "network", your device might become inaccessible!

Start priority	Init script				
00	1nvrnm_daemon	Enabled	Start	Restart	Stop
00	1restore	Enabled	Start	Restart	Stop
00	3ccci_mdnit	Enabled	Start	Restart	Stop
00	0mount_all	Enabled	Start	Restart	Stop
00	urngd	Enabled	Start	Restart	Stop
00	2ccci_fcd	Enabled	Start	Restart	Stop
00	sysfixtime	Enabled	Start	Restart	Stop
05	set_wifi_default_config	Enabled	Start	Restart	Stop
10	boot	Enabled	Start	Restart	Stop
10	system	Enabled	Start	Restart	Stop
11	sysctl	Enabled	Start	Restart	Stop
12	log	Enabled	Start	Restart	Stop
12	rpcd	Enabled	Start	Restart	Stop
13	mtk_mem	Enabled	Start	Restart	Stop
15	firmware.sh	Enabled	Start	Restart	Stop
19	dropbear	Enabled	Start	Restart	Stop
19	firewall	Enabled	Start	Restart	Stop
20	network	Enabled	Start	Restart	Stop

Initscript

Enable or disable init scripts. You may also click Start, Restart or Skip. To apply changes, restart the router.

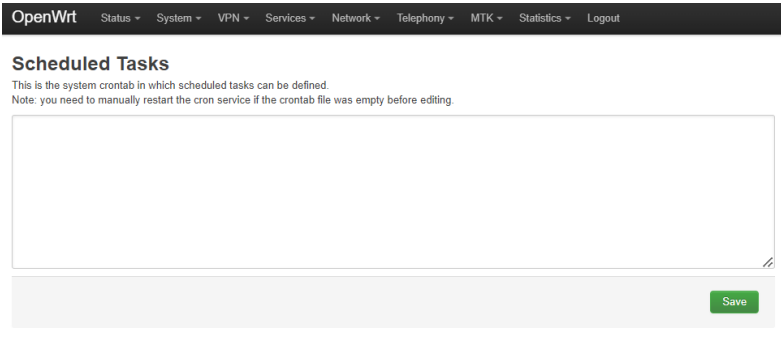
Local Startup

This page allows you to insert your own custom commands. Your inserted commands will be executed at the end of the system booting process.

5.2.4 Scheduled Tasks

> System > Scheduled Tasks

From the **Scheduled Tasks**, you can define your scheduled tasks.



Scheduled Tasks

This is the system crontab in which scheduled tasks can be defined.
Note: you need to manually restart the cron service if the crontab file was empty before editing.

[Save](#)

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To save scheduled task definition, click **Save**.

5.2.5 LED Configuration

> **System** > **LED Configuration**

From the **LED Configuration** page, you can customize the behaviors of your router's LED behaviors (if it is customizable for your device). To define behaviors for your device's LED, click [Add LED action](#).

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

LED Configuration

Customizes the behaviour of the device LEDs if possible.

Name	LED Name	Default state	Trigger
<i>This section contains no values yet</i>			

[Add LED action](#)

[Save & Apply](#) [Save](#) [Reset](#)

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To save and apply the configurations, click **Save & Apply**.

5.2.6 Backup / Flash Firmware

> **System** > **Backup / Flash Firmware**

From the **Flash Operation** page, you can generate a backup of your configurations or restore your previously saved configurations.

If necessary, you may reset your router's firmware to initial state.

To upgrade your firmware, you may flash new firmware image here.

Note: the mtddblock setting is only for professionals in this field.

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

Flash operations

Actions | Configuration

Backup

Click "Generate archive" to download a tar archive of the current configuration files.


Download backup [Generate archive](#)

Restore

To restore configuration files, you can upload a previously generated backup archive here. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).

Reset to defaults [Perform reset](#)

Restore backup [Upload archive...](#)

 Custom files (certificates, scripts) may remain on the system. To prevent this, perform a factory-reset first.

Save mtddblock contents

Click "Save mtddblock" to download specified mtddblock file. (NOTE: THIS FEATURE IS FOR PROFESSIONALS!)

Choose mtddblock

Download mtddblock [Save mtddblock](#)

Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware.

Image [Flash image](#)

Backup

Click "Generate archive" to generate a backup archive of your current configurations

Restore

Click "Restore archive" to restore your previously generated backup archive.

If you wish to reset your router's firmware to initial state, click "Perform reset".

Note: This reset function is not a factory reset and some custom files may remain on the system after clicking "Perform reset" here. To remove all the files and data, you need to perform a factory reset.

Save mtblock contents

Click "Save mtblock" to download specified mtblock files.

Note: this feature is only for professional familiar with mtblock.

Flash new firmware image

Click "Flash image" to upload a new image to replace the currently running firmware.

5.2.7 Reboot

> System > Reboot

From the **Reboot** page, you can reboot the operating system of your router.

To perform reboot, simply click [Perform reboot](#).

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

Reboot

Reboots the operating system of your device

[Perform reboot](#)

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5.3 VPN

> VPN

The **VPN** menu shows available options to set the VPN functions of your router, including

- OpenVPN
- VPN Bypass

5.3.1 OpenVPN

> VPN > OpenVPN

When you click **OpenVPN**, you will see the list of configured OpenVPN instances and their current states. You may enable, start/stop, edit or delete for the OpenVPN instances on the list.

In the **Template based Configurations**, you may input an instance name and/or select a template to add to your OpenVPN instance.

In the **OVPN configuration file upload**, you may input an instance name and/or browse your device to upload an OVPN configuration file.

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

OpenVPN

OpenVPN instances

Below is a list of configured OpenVPN instances and their current state

Name	Enabled	Started	Start/Stop	Port	Protocol		
custom_config	<input type="checkbox"/>	no	start	-	-	Edit	Delete
sample_server	<input type="checkbox"/>	no	start	1194	udp	Edit	Delete
sample_client	<input type="checkbox"/>	no	start	-	udp	Edit	Delete

Template based configuration

Instance name Select template ... ▾ [Add](#)

OVPN configuration file upload

Instance name [選擇檔案](#) 未選擇任何檔案 [Upload](#)

[Save & Apply](#) [Save](#) [Reset](#)

5.3.2 VPN Bypass

> VPN > VPN Bypass

From the **VPN Bypass Settings**, you can view and configure your VPN service status, and set VPN bypass rules, such as Local Ports to Bypass, Remote Port to Bypass, Local IP Address to Bypass, Remote IP Address to Bypass, and Domain to Bypass.

Once you click **Enable**, you may tap **Start**, **Restart**, or **Stop** for your VPN Bypass rules. To disable the rules, click **Disable**.

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

VPN Bypass Settings

Service Status [vpnbypass 1.3.1-7] Stopped (disabled)

Service Control Start Restart Stop Enable Disable

VPN Bypass Rules

Local Ports to Bypass x
 +
 Local ports to trigger VPN Bypass

Remote Ports to Bypass +
 Remote ports to trigger VPN Bypass

Local IP Addresses to Bypass x
 +
 Local IP addresses or subnets with direct internet access (outside of the VPN tunnel)

Remote IP Addresses to Bypass x
 +
 Remote IP addresses or subnets which will be accessed directly (outside of the VPN tunnel)

Domains to Bypass +
 Domains to be accessed directly (outside of the VPN tunnel), see [README](#) for syntax

Save & Apply Save Reset

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To save and apply the configurations, click **Save & Apply**.

5.4 Services

> Services

The **Services** menu provides available options to configure Dynamic DNS and uHTTPd.

5.4.1 Dynamic DNS

> Services > Dynamic DNS

Dynamic DNS allows your router to be reached by a fixed hostname while having a dynamically changing IP address. You may input Hints to optimize your device to run DNS scripts.

Under the Overview, you can view the current status of the list of configured Dynamic DNS. You may enable, edit or delete a DDNS.

If you need to send updates for IPv4 and IPv6, you must define two separate configurations, such as "myddns_ipv4" and "myddns_ipv6".

You may [Edit](#) or [Delete](#) your current DNS configurations or input your own and click [Add](#).

OpenWrt Status - System - VPN - Services - Network - Telephony - MTK - Statistics - Logout **REFRESHING**

Dynamic DNS

Dynamic DNS allows that your router can be reached with a fixed hostname while having a dynamically changing IP address.
OpenWrt Wiki: [DDNS Client Documentation](#) --- [DDNS Client Configuration](#)

Hints

[Show more -->](#) Follow this link
You will find more hints to optimize your system to run DDNS scripts with all options

Overview

Below is a list of configured DDNS configurations and their current state.
If you want to send updates for IPv4 and IPv6 you need to define two separate Configurations i.e. 'myddns_ipv4' and 'myddns_ipv6'
[To change global settings click here](#)

Name	Lookup Hostname Registered IP	Enabled	Last Update Next Update	Process ID Start / Stop
myddns_ipv4	yourhost.example.com	<input type="checkbox"/>	Never Disabled	----- Edit Delete
myddns_ipv6	yourhost.example.com	<input type="checkbox"/>	Never Disabled	----- Edit Delete

[Add](#)

[Save & Apply](#) [Save](#) [Reset](#)

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To save and apply the configurations, click **Save & Apply**.

5.4.2 uHTTPd

> [Services](#) > uHTTPd

When you click **uHTTPd**, you will be able to configure properties of the HTTP server. You may configure the [General Settings](#), [Full Web Server Settings](#), or [Advanced Settings](#).

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uHTTPd

A lightweight single-threaded HTTP(S) server

[Delete](#)

MAIN

[General Settings](#) | [Full Web Server Settings](#) | [Advanced Settings](#)

HTTP listeners (address:port)

Bind to specific interface port (by specifying interface address)

HTTPS listener (address:port)

Bind to specific interface port (by specifying interface address)

Redirect all HTTP to HTTPS

Ignore private IPs on public interface Prevent access from private (RFC1918) IPs on an interface if it has a public IP address

HTTPS Certificate (DER Encoded)

HTTPS Private Key (DER Encoded)

Remove old certificate and key [Remove old certificate and key](#)

uHTTPd will generate a new self-signed certificate using the configuration shown below.

Remove configuration for certificate and key [Remove configuration for certificate and key](#)

This permanently deletes the cert, key, and configuration to use same.

[Add](#)

uHTTPd Self-signed Certificate Parameters

Valid for # of Days

Length of key in bits

General Settings

Configure general properties of HTTP server.

Full Web Server Settings

Configure additional functions primarily geared to serving more than the web UI

Advanced Settings

Configure the settings that are not normally required, and may affect the serving the Web UI.

5.5 Network

> Network

The **Network** menu provides available options to configure multiple aspects of your network functions.

5.5.1 Interfaces

> Network > Interfaces

The **Interfaces** page displays general information and current states of the available network interfaces of your router.

You may configure the interfaces using Restart, Stop, [Edit](#), [Delete](#) or [Add new interfaces](#).

The [Global network option](#) tab allows you to view the global network option of your router, for example, IPv6 ULA-Prefix.

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Interfaces Global network options

Interfaces

WAN eth1	Protocol: DHCP client RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.) Error: Network device is not present	Restart Stop Edit Delete
WAN6 eth1	Protocol: DHCPv6 client RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.) Error: Network device is not present	Restart Stop Edit Delete
LAN br-lan	Protocol: Static address Uptime: 6h 45m 31s MAC: 98 CB 54 E5 A3 0E RX: 6 59 MB (63657 Pkts.) TX: 30.04 MB (49401 Pkts.) IPv4: 192.168.0.1/24	Restart Stop Edit Delete

[Add new interface...](#)

Save & Apply Save Reset

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To save and apply the configurations, click **Save & Apply**.

5.5.2 DHCP and DNS

> Network > DHCP and DNS

The **DHCP and DNS** page combines configurations for both DHCP server and DNS forwarder.

You may configure your server settings in [General Settings](#), [Resolve and Hosts files](#), [TFTP Settings](#), [Advanced Settings](#) and [Static Lease](#).

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout REFRESHING

DHCP and DNS

Dnsmasq is a combined [DHCP-Server](#) and [DNS-Forwarder](#) for [NAT](#) firewalls

Server Settings

[General Settings](#) | [Resolve and Hosts Files](#) | [TFTP Settings](#) | [Advanced Settings](#) | [Static Leases](#)

Domain required
② Don't forward [DNS](#)-Requests without [DNS](#)-Name

Authoritative
② This is the only [DHCP](#) in the local network

Local server
② Local domain specification. Names matching this domain are never forwarded and are resolved from DHCP or hosts files only

Local domain
② Local domain suffix appended to DHCP names and hosts file entries

Log queries
② Write received DNS requests to syslog

DNS forwardings +
② List of [DNS](#) servers to forward requests to

Rebind protection
② Discard upstream RFC1918 responses

Allow localhost
② Allow upstream responses in the 127.0.0.0/8 range, e.g. for RBL services

Domain whitelist +
② List of domains to allow RFC1918 responses for

Local Service Only
② Limit DNS service to subnets interfaces on which we are serving DNS.

Non-wildcard
② Bind dynamically to interfaces rather than wildcard address (recommended as linux default)

Listen Interfaces +
② Limit listening to these interfaces, and loopback.

Exclude interfaces +

General Settings	Configure general DHCP and DNS properties, such as domain, authoritative rule, DNS forwarding, allowing localhost, domain whitelist, local service and interfaces.
Resolve and Host Files	Set rules for resolve/host files, such as using /etc/ethers configuration file, leasefile, and resolve files.
TFTP Settings	Check the box to enable TFTP server
Advanced Settings	This page provides additional setting options including Suppress Logging, filter, queries, cache, DNS server port, DHCP lease, and other related settings. Check or uncheck the boxes to enable/disable their respective functions.
Static Lease	Static leases are used to assign fixed IP addresses and symbolic hostnames to DHCP clients. They are also required for non-dynamic interface configurations where only hosts with a corresponding lease are served. Use the Add Button to add a new lease entry. The MAC-Address identifies the host, the IPv4-Address specifies the fixed address to use, and the Hostname is assigned as a symbolic name to the requesting host. The optional Lease time can be used to set non-standard host-specific lease time, e.g. 12h, 3d or infinite.

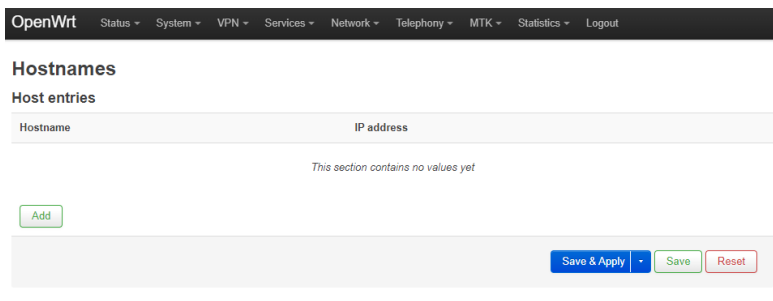
To save and apply the configurations, click **Save & Apply**.

5.5.3 Hostnames

> **Network** > **Hostnames**

From **Hostnames** page, you can configure your host entries, such as hostnames and IP address.

Click **Add** to add a new host entry.



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Hostnames

Host entries

Hostname	IP address
This section contains no values yet	

Add

Save & Apply Save Reset

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To save and apply the configurations, click **Save & Apply**.

5.5.4 Static Routes

> Network > Static Routes

From **Static Routes** page, you can view the information of the currently running routes that specify over which interface and gateway a certain host or network can be reached.

You can view the current routes by [Static IPv4 Routes](#) or [Static IPv6 Routes](#).

Click **Add** to add a new route.

The screenshot shows the OpenWrt web interface for configuring static routes. At the top, there is a navigation bar with the OpenWrt logo and several menu items: Status, System, VPN, Services, Network, Telephony, MTK, Statistics, and Logout. Below the navigation bar, the page title is "Routes" with a subtitle "Routes specify over which interface and gateway a certain host or network can be reached." There are two tabs: "Static IPv4 Routes" (which is active) and "Static IPv6 Routes". Under the "Static IPv4 Routes" tab, there is a table with the following columns: Interface, Target, IPv4.Netmask, IPv4.Gateway, Metric, and On-Link route. The table is currently empty, with a note below it stating "This section contains no values yet". Below the table, there is a green "Add" button. At the bottom right of the configuration area, there are three buttons: "Save & Apply" (with a dropdown arrow), "Save", and "Reset".

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

Routes

Routes specify over which interface and gateway a certain host or network can be reached.

Static IPv4 Routes Static IPv6 Routes

Static IPv4 Routes

Interface	Target	IPv4.Netmask	IPv4.Gateway	Metric	On-Link route
	Host:IP or Network	if target is a network			

This section contains no values yet

Add

Save & Apply Save Reset

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To save and apply the configurations, click **Save & Apply**.

5.5.5 Firewall

> Network > Firewall

From **Firewall** page, you can configure multiple functional aspects of the firewall of your router, covering [General Settings](#), [Port Forwards](#), [Traffic Rules](#), [NAT Rules](#), and [Custom Rules](#).

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

General Settings Port Forwards Traffic Rules NAT Rules Custom Rules

Firewall - Zone Settings

The firewall creates zones over your network interfaces to control network traffic flow.

General Settings

Enable SYN-flood protection

Drop invalid packets

Input: accept

Output: accept

Forward: reject

Zones

Zone →	Forwardings	Input	Output	Forward	Masquerading	
lan	⇒ wan	accept	accept	accept	<input type="checkbox"/>	☰ Edit Delete
wan	⇒ REJECT	reject	accept	reject	<input checked="" type="checkbox"/>	☰ Edit Delete

Add

Save & Apply Save Reset

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General Settings

The firewall creates zones over your network interfaces to control network traffic flow. Configure zone settings for the firewall function of your router. Click [Add](#) to add a new zone.

Port Forwards

Configure your port forwarding. Port forwarding allows remote computers on the Internet to connect to a specific computer or service within the private LAN. Click [Add](#) to add a new rule.

Traffic Rules

Define policies for packets traveling between different zones. For example, reject traffic between certain hosts or to open WAN ports on the router. You may Reorder, [Edit](#), or [Delete](#) for each rule.

NAT Rules

Configure NAT rules of your router. NAT rules allow fine grained control over the source IP to use for outbound or forwarded traffic. Click [Add](#) to add a new rule.

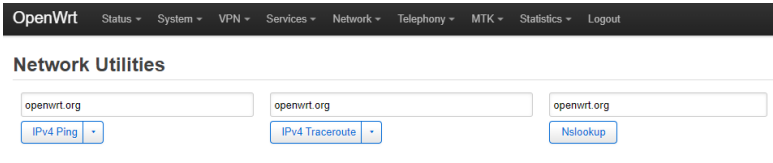
Custom Rules

Custom rules allow you to execute arbitrary IP table commands which are not otherwise covered by the firewall framework. The commands you insert will be executed after restarting the firewall.

5.5.6 Diagnostics

> **Network** > **Diagnostics**

The **Diagnostics** provides Ping and Traceroute diagnostic tools for both IPv4 and IPv6 protocols. You may perform "nslookup" to diagnose DNS.



OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

Network Utilities

openwrt.org openwrt.org openwrt.org

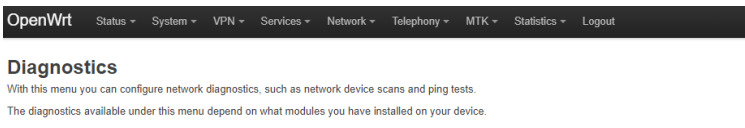
IPv4 Ping IPv4 Traceroute Nslookup

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5.5.7 Configure Diagnostics

> **Network** > **Configure Diagnostics**

The **Configure Diagnostics** provides setting menu for you to configure network diagnostics, such as device scan and ping test. The diagnostics available here depend on what diagnostic software you have installed in your router.



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Diagnostics

With this menu you can configure network diagnostics, such as network device scans and ping tests.

The diagnostics available under this menu depend on what modules you have installed on your device.

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5.5.8 QoS

> Network > QoS

QoS (Quality of Service) allows you to prioritize network traffic selected by addresses, ports or services.

You may configure properties under Interfaces, WAN and Classification Rules to prioritize network traffics.

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

Quality of Service

With **QoS** you can prioritize network traffic selected by addresses, ports or services.

Interfaces

[Delete](#)

WAN

Enable

Classification group

Calculate overhead

Half-duplex

Download speed (kbit/s)

Upload speed (kbit/s)

[Add](#)

Classification Rules

Target	Source host	Destination host	Protocol	Ports	Number of bytes	Comment
<input type="text" value="p"/>	<input type="text" value="all"/>	<input type="text" value="all"/>	<input type="text" value="all"/>	<input type="text" value="22,53"/>	<input type="text"/>	ssh, dns <input type="button" value="Up"/> <input type="button" value="Down"/> <input type="button" value="Delete"/>
<input type="text" value="n"/>	<input type="text" value="all"/>	<input type="text" value="all"/>	<input type="text" value="TCP"/>	<input type="text" value="20,21,25,80,110,443,993,995"/>	<input type="text"/>	ftp, smtp <input type="button" value="Up"/> <input type="button" value="Down"/> <input type="button" value="Delete"/>
<input type="text" value="e"/>	<input type="text" value="all"/>	<input type="text" value="all"/>	<input type="text" value="all"/>	<input type="text" value="5190"/>	<input type="text"/>	AOL, ICQ <input type="button" value="Up"/> <input type="button" value="Down"/> <input type="button" value="Delete"/>

[Add](#)

[Save & Apply](#) [Save](#) [Reset](#)

Powered by LuCI CYPidev/EXTERNAL/750/1907mp/1V1.28/BSP branch (git-22.304.24905-6dd6934) / OpenWrt 19.07-SNAPSHOT r0+11049-6dd6934341

To save and apply the configurations, click **Save & Apply**.

5.5.9 IP Security

> Network > IP Security

The **IP Security** page displays values of IP security settings of your router.

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout REFRESHING

IP Security

This section contains no values yet

This section contains no values yet

This section contains no values yet

This section contains no values yet

btn value

Save & Apply Save Reset

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5.6 Telephony

> Telephony

The **Telephony** menu provides configuration tools for your network telephony.

5.6.1 Overview

> Telephony > Overview

From **Telephony Overview** page, you can view the status of your telephony, including SIM, Network, IMS and Call Control, and configure some properties of the telephony networks.

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

Telephony Overview

SIM

Status MIPC_SIM_STATUS_COMPLETE_READY

PIN

Network

Radio Status Get SW radio state MIPC_NW_RADIO_STATE_ON

IA APN:

Current: 4/5G

Rat Mode

Rat Mode (manual input)

Attached Status Refer to: <https://wiki.msdataek.ino/display/WSDACFAF12/Preferred+Network+Type>
MIPC_NW_REGISTER_STATE_NOT_REGISTERED

IMS

IMS config Current: Off

Registration state Unregistered

Call Control

Call Status: (0:Active, 1:Held, 2:Dialing, 3:Alerting, 4:Incoming, 5:Waiting)

MO

MT

Speech Status numId=1,iface=MIXER,name=Speech_on,type=ENUMERATED,access=rw-----,values=1,items=2 ; item #0 'Off', item #1 'On', values=0

Speech

In call operation

Hangup

5.7 MTK

> MTK

The **MTK** menu provides options to configure device-level or processor-level functions of your router.

5.7.1 WiFi Configuration

> MTK > WiFi Configuration

From the **WiFi Configuration** page, you can view the wireless status and perform device-level or processor level configurations of your router.

The screenshot shows the OpenWrt web interface. At the top is a navigation bar with the following items: OpenWrt, Status, System, VPN, Services, Network, Telephony, MTK, Statistics, and Logout. Below the navigation bar is the "Wireless Overview" section. It contains two main sections for wireless devices: MT7915D and MT7915D.1.2. Each section lists the driver version, work mode, and details for various interfaces. For MT7915D, there is a "ra0" interface (AP mode) and an "apcli0" interface (STA mode). For MT7915D.1.2, there is a "rax0" interface (AP mode) and an "apcli0" interface (STA mode). Each interface entry includes its name, type, SSID, channel, and mode. Action buttons like "Config", "Reload", "Add", "Disable", "Enable", and "Connect" are provided for each interface.

Device	Interface	Type	Status	Actions
MT7915D	ra0	AP	Connected	Config
	apcli0	STA	Disconnected	Enable, Connect, Config
MT7915D.1.2	rax0	AP	Connected	Reload, Config, Add
	apcli0	STA	Disconnected	Enable, Connect, Config

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5.7.2 EasyMesh

> MTK > EasyMesh

From the **EasyMesh** page, you can configure your Wi-Fi EasyMesh modes if you want to unify the Wi-Fi networks across all the Wi-Fi routers or APs in your place. The available modes are

- Disable
- Map Turnkey
- BS 2.0
- API Mode
- Cert

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

EasyMesh Configurations

Basic

EasyMesh Mode: Disable

- Disable
- Map Turnkey
- BS 2.0
- API Mode
- Cert

Save and Apply Save Reset

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To save and apply the configurations, click **Save & Apply**.

5.8 Statistics

> **Statistics**

The **Statistics** menu uses collected data to present graphs and diagrams.

5.8.1 Graphs

> **Statistics** > **Graphs**

From the **Graph** page, you can select **Processor**, **Interfaces**, **Wireless**, **System Load**, or **Memory** to display their respective status graphs or diagrams.

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

Processor Interfaces Wireless System Load Memory

Statistics

The statistics package uses [Collectd](#) to gather data and [RRDtool](#) to render diagram images.

You can install additional collectd-mod-* plugins to enable more statistics.

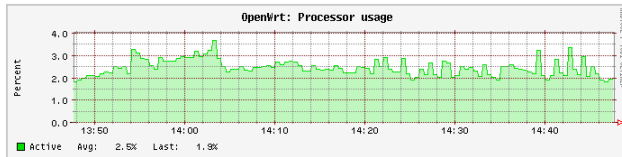
Powered by LuCI CYP/dev/EXTERNAL/T750/1907mp1V1.28/BSP branch (git-22.304.24905-8dd6934) / OpenWrt 19.07-SNAPSHOT r0+11049-8dd6934341

OpenWrt Status System VPN Services Network Telephony MTK Statistics Logout

Processor Interfaces Wireless System Load Memory

Statistics

OpenWrt ▼ Display Host ▶ 1hour ▼ Display timespan ▶



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5.8.2 Setup

> Statistics > Setup

From the **Setup** page, you can view collected setting status and configure [General plugins](#), [Network plugins](#), and [Output plugins](#).

OpenWrt Status ▾ System ▾ VPN ▾ Services ▾ Network ▾ Telephony ▾ MTK ▾ Statistics ▾ Logout

General plugins Network plugins Output plugins

Collectd Settings

Collectd is a small daemon for collecting data from various sources through different plugins. On this page you can change general settings for the collectd daemon.

Base Directory	<input type="text" value="/var/run/collectd"/>
Directory for sub-configurations	<input type="text" value="/etc/collectd/conf.d"/>
Directory for collectd plugins	<input type="text" value="/usr/lib/collectd"/>
Used PID file	<input type="text" value="/var/run/collectd.pid"/>
Datasets definition file	<input type="text" value="/usr/share/collectd/types.db"/>
Data collection interval	<input type="text" value="30"/>
	<input checked="" type="radio"/> Seconds
Number of threads for data collection	<input type="text" value="2"/>
Try to lookup fully qualified hostname	<input type="checkbox"/>
-- Additional Field --	<input type="button" value="Add"/>

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General plugins

Click it to perform plugin configurations to collect statistic data. You may choose [Processor](#), [System Load](#), or [Memory](#) to configure their respective plugins.

Network plugins

Click it to monitor plugins statistics collected by [Interfaces](#) and [Wireless](#). You can click [Interfaces](#) or [Wireless](#) to configure their respective plugins.

Output plugins

Click it to access [Network Plugin Configuration](#) or [RRDTool Plugin Configuration](#).

The Network Plugin Configuration allows you configure the Listener Interfaces and Server Interfaces.

The RRDTool plugin stores the collected data in RRD database files, which function as the foundation of the diagrams.

6. Technical Specifications (TBD)

Frequency bands	5G NR: n2, n5, n48, n66, n77 4G LTE: B2, B5, B13, B48, B66
Memory	RAM: 2GB ROM: 16GB
Wi-Fi	Wi-Fi 6 (802.11 a/b/g/n/ac/ax), 2.4/5.0GHz, 2x2 MIMO
Network	3GPP R15 5G NR 100MHz, NSA/SA, 4x4 MIMO on n2, 5, 48, 66, 77 - n77 PC1.5 supported at launch 4G LTE DL Cat 15 3CA, 4x4 MIMO
LED	Tri-color LED x 1
WPS	WPS button x 1
Max. connected devices	Up to 128 devices (up to 100 when Band Steering is activated)
LAN	1000BASE-T x 1
Reset	Reset pin hole x 1
Power	DC power jack x 1
SIM	eSIM x 1
USB	USB Type-C x 1 (for host mode)
Dimensions	94 x 94 x 180 mm
Weight	570g
Accessories	AC Power Adapter <ul style="list-style-type: none">• Input: 100 - 240V• Output: 12V/2.0A
OS	TBD
Built-in features	WebUI, Smartphone API, OMA-DM

7. Troubleshooting

If you are experiencing some issues in using the router, try here first for some quick fixes to common problems.

Dropped Wi-Fi connection

Wi-Fi connections can occasionally drop for any number of reasons, such as interference or system updates.

Try to ensure the space between your router and Wi-Fi devices is as clear as possible and make sure you're not moving too far away from your router.

Check that your router has a good cellular connection and that your Wi-Fi device isn't trying to connect to any other saved Wi-Fi networks.

Can't connect to Wi-Fi

If your router's Wi-Fi doesn't appear when scanning available networks on your device, or if you can't make a connection, try switching both your router and Wi-Fi device off and back on again, and move closer to your router. If your router has a good cellular connection and you still can't establish a Wi-Fi connection, try a factory reset.

To perform a factory reset and return the Home Internet Router to default settings, use a pin to insert into the Reset Hole for a few seconds.

Can't login to the Web UI

If you can't access the Web UI, it might be an issue with your device or computer's proxy or IP address settings. Make sure that proxy settings are disabled and that your device or computer can be allocated an IP address on the network by the router's DHCP server. You'll need to check the support for your device or computer's operating system e.g. Windows or Mac OS, for detailed instructions on how to do this.

Where can I get more help?

If you need more help about setting up your router, please visit <https://intergear.com/>

FCC Declaration of Conformance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement (SAR)

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Safety Warnings

Adapter

- Do not use any other power adaptor except the one that accompanies this unit or a power adaptor identified in the list below.
- Use of another adapter could result in damage to the unit.
- The following power adaptor is qualified for use with this InterGear Home Internet Router: (specified the adapter specifications, brand, make, type and other restrictions)

Caution

Ensure to connect the power cord of power adapter to a socket-outlet with grounding connection.

Safety and Compliance

Read before Use

We recommend you read the following sections thoroughly before use. InterGear is not liable for malfunctions or damages resulted from misuse of the device.

Safety Precaution

Pay full attention to the following safety precautions.

- Use the chargers, cables or accessories approved by the device manufacturer.
- Do NOT disassemble or modify the device. Doing so voids the warranty.
- Prevent wetness from penetrating internal parts. Using the device in wet or damp environment (for instance, charging it in a wet environment like bathtub or bathroom) may result in malfunctions.
- Do NOT use this device near source of heat or fire, such as oven, microwave, stove, or heater.
- Keep your device away from cooking appliances.
- Do NOT place the device in places with heated atmosphere (dryer, sauna, hot water).
- Do NOT use the device and disconnect all cables at places with fire or explosion risks.
- Avoid strong physical impact (heavy objects or excessive force).
- Keep your device away from liquid or conductive materials.
- Do NOT charge the device when either the device, the adapter, or the cable is wet. It may cause short-circuit.
- Power off the device when near medical equipment or high-precision control systems to avoid potential interference.
- Charge with specified voltage only.
- Place the device on a flat, stable surface for optimal use.
- Keep the device and adapter away from children and pets.
- The device must be disposed of in accordance with the locally applicable environmental regulations.
- Keep the device away from magnetic items such as magnetic strip cards or items that generate strong electronic or magnetic fields, such as a microwave.
- Do NOT store the device in an overheated environment.
- Do NOT use the device when it is overheated.
- Disconnect all the the cable connections when the device is not in use.
- Place the device in places with good signal strength.
- Make sure the adapter you use with the device meets the approved standards and specifications.

Disposal and Recycling

Do not dispose of the phone in a household garbage bin.

Products with this label must be taken to specific collection points at the end of their life.

You can learn more about how to recycle your mobile device by visiting the CTIA website at

www.ctia.org/news/how-to-recycle-your-mobile-device



Maintenance & Care

- Avoid extreme temperature or direct sunlight
- Clean handset with soft, dry cloth. Do NOT use alcohol solvent (color may fade)
- Warranty does not cover malfunctions caused by misuse.
- Stop all the applications and shut down the device before cleaning it.
- Keep the device and its accessories dry at all times.
- If anomaly occurs, contact InterGear Support immediately.
- When storing the device, do NOT store it in a container with dampness or under extended heat.
- Avoid dropping the device or strong physical impact at all times.

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Changes

The functions of the product and associated peripherals or accessories are described in this document are based on the current hardware, software and/or local network conditions at the time of writing, and thus may vary due to conditions set by local network service providers or carriers. Therefore, all information described herein is subject to change without prior notice.