

# MR40 QUICK SETUP GUIDE



## Document revision

Version	Date	Author	Content
1.00	230321	HSA	1 <sup>st</sup> Version

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# 1. INSTALLATION

## Introduction

MR40 is a wireless router with 4 ethernet ports embedded and 2.4GHz and 5.8GHz Wi-Fi interfaces. The router is provided with 2 Wi-Fi antennas (Marked 2.4/5.8) and 4 LTE/5G antennas.

## Antennas connection



## 2. FIRST LOGIN

### Introduction

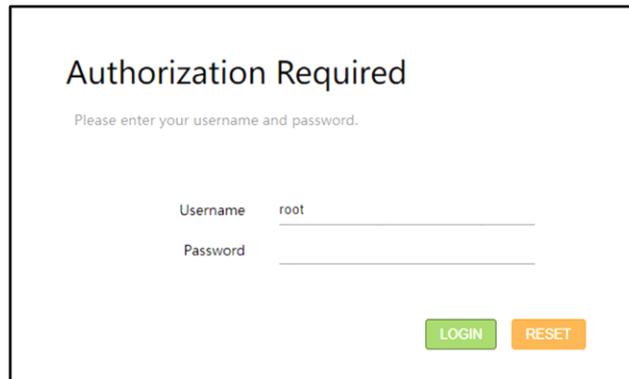
The first connection on your CPE can be done through LAN or through Wi-Fi.

To use the physical link, you need connect a LAN cable between a PC to your CPE (LANx port)

To use a Wi-Fi connection, the default SSID is MR40\_XXXXX or MR40\_5ghz\_XXXXX (XXXXX are the last 5 digits of the serial number of the device) and the default password is 12345678.

### Login

To access to your router interface, you need to enter the router's IP address (By default : 192.168.1.1) into your Browser.



Authorization Required

Please enter your username and password.

Username

Password

Insert the default credentials that can be found on the back of the Router. (Default: Username : root / Password : admin)

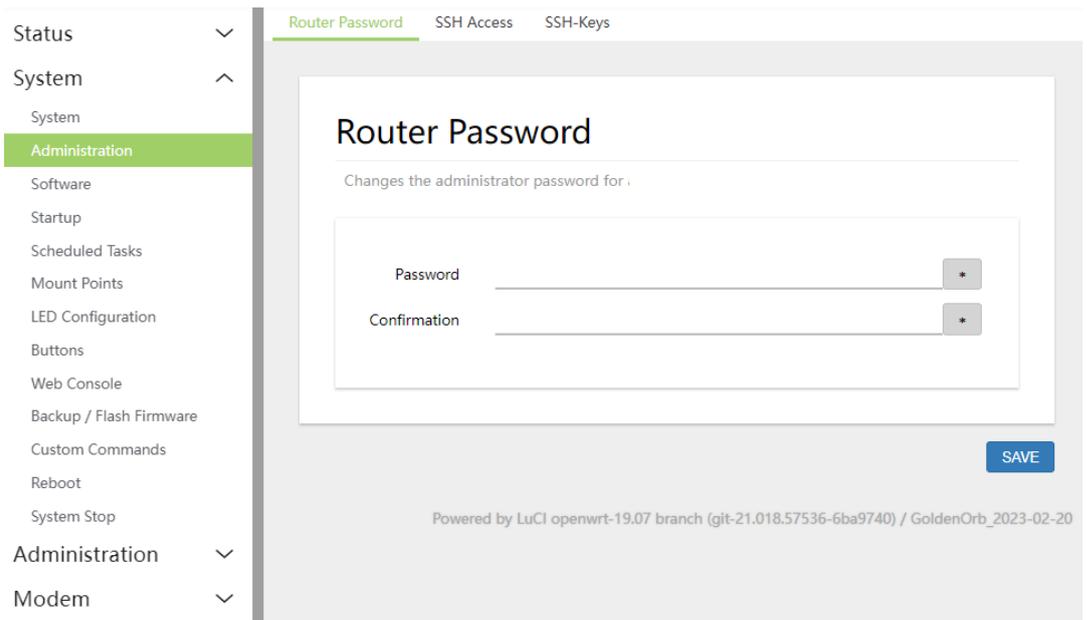
### Credentials changing

After your successful login, the web interface will recommend you to change your password.

Note that **this is not mandatory, but strongly recommended!**

To change your login Password:

- On the web interface , in the side bar menu **System** , go to **Administration**.
- Input your new password and the confirmation.
- Click on '**SAVE**' button.



Status

System

System

Administration

Software

Startup

Scheduled Tasks

Mount Points

LED Configuration

Buttons

Web Console

Backup / Flash Firmware

Custom Commands

Reboot

System Stop

Administration

Modem

Router Password

Changes the administrator password for :

Password

Confirmation

Powered by LuCI openwrt-19.07 branch (git-21.018.57536-6ba9740) / GoldenOrb\_2023-02-20

Your Router login password has been changed

# 3. WI-FI CONFIGURATION

## 3.1 CHANGE SSID WI-FI

### Overview

Wireless Overview

Interface	Chipset	Channel	Bitrate	Buttons
radio0	MediaTek MT7603E 802.11bgn	11 (2.462 GHz)	162 Mbit/s	RESTART, SCAN, ADD
	SSID: MR40_01026   Mode: Master			DISABLE, EDIT, REMOVE
	BSSID: 10:65:CF:40:10:05   Encryption: WPA2 PSK (CCMP)			
disabled	SSID: Hotspot Manager Interface   Mode: Client			ENABLE, EDIT, REMOVE
	Wireless is disabled			
radio1	MediaTek MT76x2E 802.11acn	36 (5.180 GHz)	? Mbit/s	RESTART, SCAN, ADD
	SSID: MR40_5ghz_01026   Mode: Master			DISABLE, EDIT, REMOVE
	BSSID: 10:65:CF:40:10:06   Encryption: WPA2 PSK (CCMP)			

Associated Stations

Network	MAC Address	Host	Signal / Noise	RX Rate / TX Rate	Buttons
Master "MR40_01026" (wlan0)	E4:A4:71:14:9F:E7	DESKTOP (192.168.1.155)	-57 dBm	108.0 Mbit/s, 40 MHz, MCS 5 162.0 Mbit/s, 40 MHz, MCS 12	DISCONNECT

SAVE & APPLY | SAVE | RESET

Powered by LuCI openwrt-19.07 branch (git-21.018.57536-6ba9740) / GoldenOrb\_2023-02-20

### Change Wi-Fi SSID

On your web interface , in the side bar menu **Network** , go to **Wireless**.

- Select a wireless connection and click on **EDIT** button.
- Change your SSID in General Setup.
- Press on **SAVE** then **SAVE & APPLY** button

## 3.2 CHANGE WI-FI PASSWORD

### Overview

General Setup | Wireless Security | MAC-Filter | Advanced Settings

Mode: Access Point

ESSID: MR40\_5ghz\_01026

Network: lan

Hide ESSID:

WMM Mode:

DISMISS | SAVE

### Change password

On your web interface , in the side bar menu **Network** , go to **Wireless**.

- Select a wireless connection and click on **EDIT** button.
- Change your SSID in General Setup.
- Press on **SAVE** then **SAVE & APPLY** button

**MAKE SURE TO SAVE THEN PRESS SAVE & APPLY IN ORDER TO APPLY CHANGES!**



# 4. ROUTER BASICS

## 4.1 ROUTER STATUS

**Introduction** On your web interface, in the **MODEM** tab , click on **NETWORK STATUS**

The screenshot shows the 'Signal/Cell Information' page in the router's web interface. The left sidebar contains a menu with 'Network Status' highlighted. The main content area is divided into two sections: 'General Information' and 'Modem/SIM Information'. The 'General Information' section shows 'Version: 2.00.013', 'Data Consumption: 0MB', and 'Bootstrap: Starting up'. The 'Modem/SIM Information' section shows 'Modem Status: Off', 'Signal Level(0-5): 0', and 'Technology:'.

Your Modem will automatically assign an available sim card based on the physicality of your router , the status of your modem changes to **READY** in a matter of time.

This screenshot shows the 'Signal/Cell Information' page after the modem has become ready. The 'Modem Status' is now 'Ready', and the 'Signal Level(0-5)' is '5'. The 'Technology' is '4G'. The 'Data Consumption' is '1MB' and the 'Bootstrap' is 'Idle'. The left sidebar menu remains the same, with 'Network Status' highlighted.

Modem Status: Ready , Registered in 4G network.

**YOU CAN NOW USE YOUR ROUTER !**

## 4.2 LED LIGHTS SIGNIFICATION

### Description

The MR40 product has in total 6 LED.

- PWR
- SYS
- 2.4G
- 5.8G
- 4G/5G
- USB

At Normal Usage , your router will have the power on LED in addition to Wi-Fi frequency LED lights on.  
During an update or the starting-up the led SYS is blinking.

### Overview



### LED description

Mark	Description
PWR	Off: Powered Off On : Powered on
SYS	Off : System is running normally Blinking : Operation system on going (starting up, update...)
2.4G	Off: WIFI is off. On: WIFI is on. Blinking: WIFI has data traffic.
5.8G	Off: WIFI is off. On: WIFI is on. Blinking: WIFI has data traffic.
4G/5G	Modem registered to the network
USB	Data traffic

### Tricks

The behavior of these LEDs can be modified in the side menu SYSTEM and the item LED configuration.

## 4.3 ROUTER UPDATE

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### Introduction

On the web interface, in side menu SYSTEM , go to BACKUP/FLASH FIRMWARE , then click on FLASH IMAGE.  
Use the Browse Button to select the update file.

### Uploading file...

- Name: MR40\_SparQfi\_20230110\_2\_00\_012.zip
- Size: 14.98 MB

BROWSE...

CANCEL

UPLOAD

- Click UPLOAD , then check the box (“KEEP SETTINGS AND RETAIN THE CURRENT CONFIGURATION”)
- Click CONTINUE.

*IN AROUND 3 MINUTES , THE CPE WILL BE UPDATED AND YOUR ROUTER WILL BE UPDATED*

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