

**MERCUSYS®**

# **User Guide**

AC1900 WiFi Range Extender

ME50G

REV1.1.0  
1910080107

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**<http://www.mercusys.com>**

## CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

## OPERATING FREQUENCY (the maximum transmitted power)

2400 MHz -2483.5 MHz (20dBm)

5150 MHz -5250 MHz (23dBm)

5250 MHz -5350 MHz (23dBm)

5470 MHz -5725 MHz (30dBm)

## EU Declaration of Conformity

MERCUSYS hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU Declaration of Conformity may be found at <https://www.mercusys.com/en/ce>

## RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

## National Restrictions

Attention: This device may only be used indoors in all EU member states, EFTA countries and Northern Ireland.

Frequency band: 5150 - 5250 MHz:


Indoor use: Inside buildings only. Installations and use inside road vehicles and train carriages are not permitted. Limited outdoor use: If used outdoors, equipment shall not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure or a fixed outdoor antenna. Use by unmanned aircraft systems (UAS) is limited to within the 5170 - 5250 MHz band.

Frequency band: 5250 - 5350 MHz:

Indoor use: Inside buildings only. Installations and use in road vehicles, trains and aircraft are not permitted. Outdoor use is not permitted.

Frequency band: 5470 - 5725 MHz:

Installations and use in road vehicles, trains and aircraft and use for unmanned aircraft systems (UAS) are not permitted.

	AT	BE	BG	CH	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL
	NO	PL	PT	RO	SE	SI	SK	UK(NI)

## UKCA Mark

**UK  
CA**

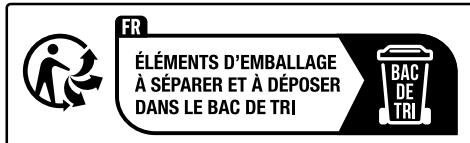
## UK Declaration of Conformity

Mercusys hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK Declaration of Conformity may be found at  
<https://www.mercusys.com/support/ukca/>

## National Restrictions

Attention: This device may only be used indoors in Great Britain.



## Korea Warning Statements

당해 무선설비는 운용중 전파혼신 가능성이 있음 .

## NCC Notice

注意!

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前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

## BSMI Notice

### 安全諮詢及注意事項

- 請按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先切斷電源。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 請不要私自拆開機殼或自行維修，如產品有故障請與原廠或代理商聯繫。

### 限用物質含有情況標示聲明書

設備名稱：AC1900 WiFi Range Extender		型號（型式）：ME50G				
Equipment name		Type designation (Type)				
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr <sup>+6</sup> )	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
電源供應板	—	○	○	○	○	○
天線	○	○	○	○	○	○

備考 1. “超出 0.1 wt %” 及 “超出 0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值  
Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考 2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。  
Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考 3. “—” 係指該項限用物質為排除項目。  
Note 3: The “—” indicates that the restricted substance corresponds to the exemption.

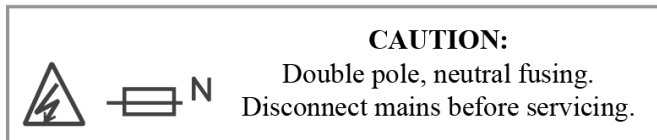


Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.



## Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use the device where wireless devices are not allowed.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Make sure the power socket has a good contact with the ground.
- Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F)



















- This product uses radios and other components that emit electromagnetic fields. Electromagnetic fields and magnets may interfere with pacemakers and other implanted medical devices. Always keep the product and its power adapter more than 15 cm (6 inches) away from any pacemakers or other implanted medical devices. If you suspect your product is interfering with your pacemaker or any other implanted medical device, turn off your product and consult your physician for information specific to your medical device.




Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

## Explanation of the symbols on the product label

Symbols may vary from products.

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	Alternating current
	DC voltage

	Polarity of output terminals
	Indoor use only
	Dangerous voltage
	Caution, risk of electric shock
	Energy efficiency Marking
	Protective earth
	Earth
	Frame or chassis
	Functional earthing
	Caution, hot surface
	Caution
	Operator's manual
	Stand-by
	"ON"/"OFF" (push-push)
	Fuse
	Fuse is used in neutral N

	<p>RECYCLING</p> <p>This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.</p> <p>User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.</p>
	<p>Caution, avoid listening at high volume levels for long periods</p>
	<p>Disconnection, all power plugs</p>
<p>m</p>	<p>Switch of mini-gap construction</p>
<p>μ</p>	<p>Switch of micro-gap construction (for US version) Switch of micro-gap / micro-disconnection construction (for other versions except US)</p>
<p>ε</p>	<p>Switch without contact gap (Semiconductor switching device)</p>



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# Conventions

This guide is a complement to Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, while this guide contains details of each function and demonstrates how to configure them in typical scenarios.

Note: Features available in this range extender may vary by model and software version. Range extender availability may also vary by region or ISP. All images, steps, and descriptions in this guide are only examples and may not reflect your actual product experience.

## More Info

Specifications and the latest software can be found at the product page at the official website <http://www.mercusys.com>.

The Quick Installation Guide can be found where you find this guide or inside the package of the router.

## Speed/Coverage Disclaimer

\*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage per ft<sup>2</sup> are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection quality, and client condition.

# Chapter 1 Introduction

## 1.1 Product Overview

The range extender connects to your router wirelessly, strengthening its signal and expanding its coverage into areas that could not otherwise be reached.

Multicolor LED helps you find the right location for your range extender for the best Wi-Fi extension.

## 1.2 Product Appearance



### 1.2.1 LED Explanation

LED	Status	Indication
Signal	Off	Power is off.
	Blinking green	The extender is starting, upgrading, or connecting to the router.
	Blinking Orange*	The extender is ready for setup.
	Solid red	The extender is not connected to the router.
	Solid green	The extender is connected to the router, and is in a good location.
	Solid orange	The extender is connected to the router, but is too far away from the router.

\*Earlier models do not have this LED status. The LED shows solid red instead.

### 1.2.2 Item Explanation

Item	Description
RESET/WPS Button	Press and hold this button for more than 5 seconds until the Signal LED turns off to reset the extender. Press for 1 second to use the WPS function.
Ethernet Port	Connect your Ethernet-only device (such as a Blu-ray player, game console, DVR, or smart TV) to the Ethernet port of the extender to join the network.

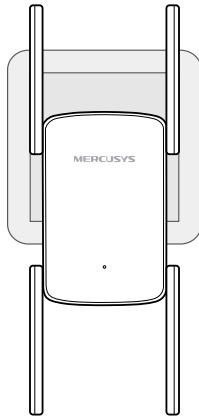
## Chapter 2 Connect the Extender to the Internet

This chapter introduces how to boost your host wireless coverage. Please follow the step-by-step instructions to set up the internet connection.

### Power On

Plug the extender into a power outlet **near your router**, and the Signal LED turns solid red.

**Note:** For safety and best performance, we suggest that you position the extender vertically as shown below.



### 2.1 Method 1: Via a Web Browser

1. Connect your wireless device to the extender's network **MERCUSYS\_RE\_XXXX**.

**Note:**

1. The default SSID (network name) is printed on the product label at the back of the extender.
  2. If you are using a computer, unplug the Ethernet cable from your computer first (if any).
2. Follow the instructions of the Quick Setup Wizard to connect the extender to your router.
    - 1) Launch a web browser and enter **http://mwlogin.net** in the address field.



- 2) A login window will appear. Create a password to log in. For subsequent logins, use the password you have set.

**Create Login Password**

New Password:

Password must have 8-32 characters, with a mix of uppercase letters, lowercase letters, numbers, or symbols.

Confirm Password:

**LOG IN**

- 3) The extender will scan and display all available 2.4 GHz networks. Select your router's 2.4 GHz host network and enter the password to connect.

**Select a 2.4GHz host network to extend.**

Can't find your Wi-Fi?

ID	SSID	Signal	Mac Address	Security
1	Home		1C-FA-13-14-1D-01	

✕

Connect to Host Network

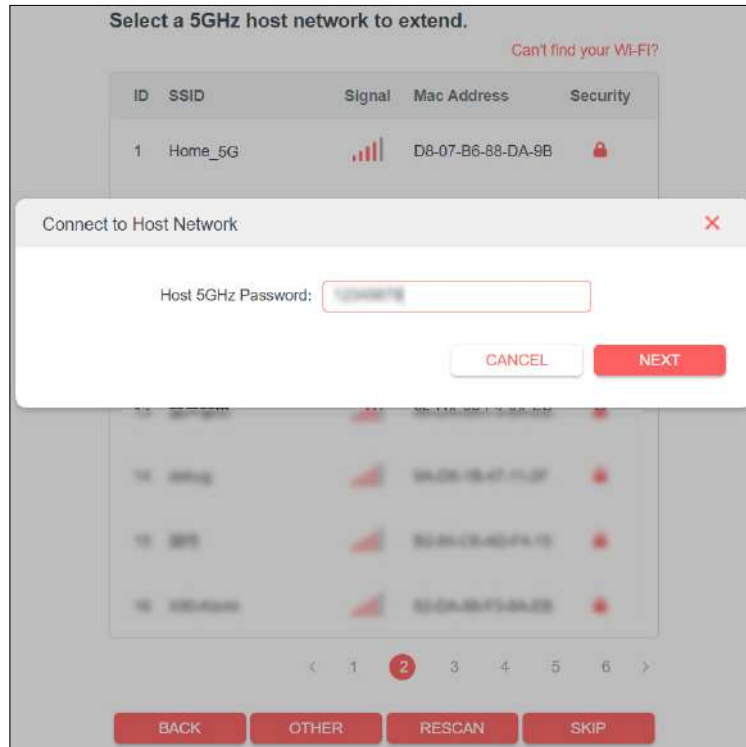
Host 2.4GHz Password:

**Note:**

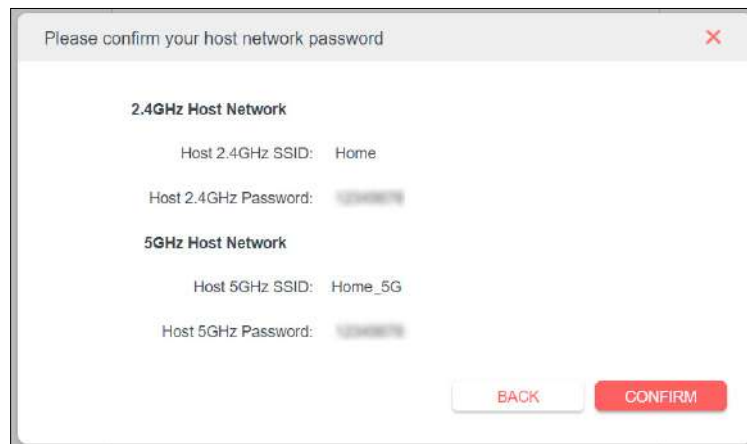
If the network you want to extend is on but not listed, please try the following steps.

- Move the extender closer to your router, and click **Rescan**.
- Click **Other...** to manually enter the SSID (network name) and password of the network you want to extend.

- 4) Select your router's 5 GHz host network and enter the password to connect.



- 5) Confirm the network passwords.



- 6) Customize the extended network names or keep the default ones.

**Set the extended network name (SSID)**

Extended 2.4GHz SSID:

Extended 2.4GHz Password:   
(Same as your host network password)

Extended 5GHz SSID:

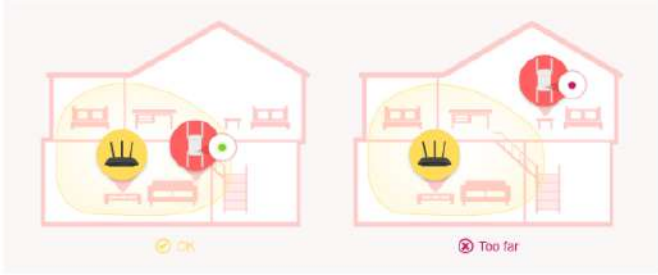
Extended 5GHz Password:   
(Same as your host network password)

7) Follow web instructions to relocate the extender.

**Relocate**

Relocate your extender to optimize Wi-Fi coverage and performance.

1. Plug in the extender about halfway between your router and the Wi-Fi dead zone. The location you choose must be within the range of the host network.
2. Wait for about 2 minutes until the Signal LED turns solid green. If it doesn't, relocate the extender closer to the router to achieve better signal quality.



3. **Done!** Connect to the extended network and enjoy the internet.

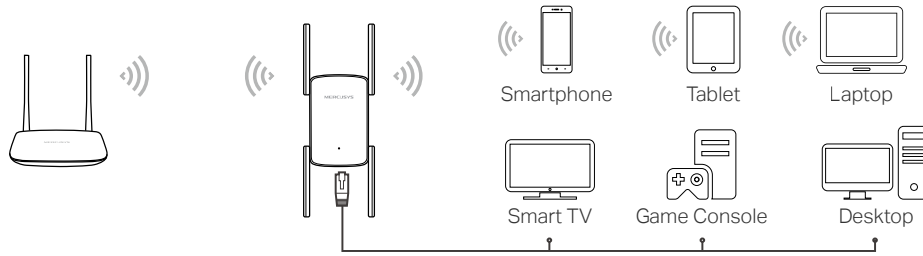
Now connect to the extended network, then click **Finish**.

Extended 2.4GHz SSID: Home\_EXT  
Extended 2.4GHz Password:

Extended 5GHz SSID: Home\_5G\_EXT  
Extended 5GHz Password:

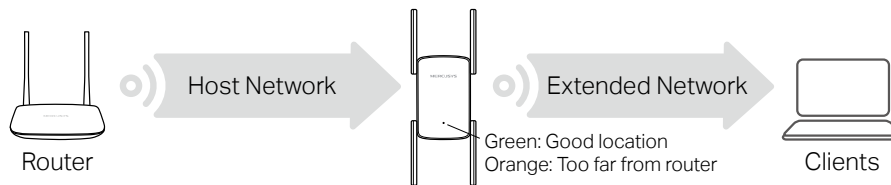
I have connected to the extended network.





## 2.2 Method 2: Via WPS

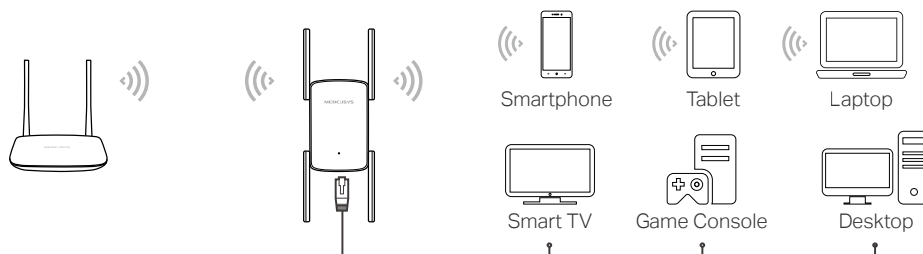
1. Press the WPS button on your router.
2. Within two minutes, press the **RESET/WPS** button on your extender for 1 second. The Signal LED should change from flashing to solid green or orange, indicating a successful WPS connection.
3. Relocate the extender.
  - 1) Plug the extender into an electrical outlet between your host router and the Wi-Fi “dead” zone. The location you choose must be within the range of your existing host network.
  - 2) Wait until the Signal LED is lit and solid green. If it’s not, relocate it closer to the host router to achieve better signal quality.



4. **Enjoy!** Connect to the extended network and enjoy the internet.

**Extended Network Names:**  
 Router’s network name with **EXT** at the end

**Passwords:**  
 Same as your router



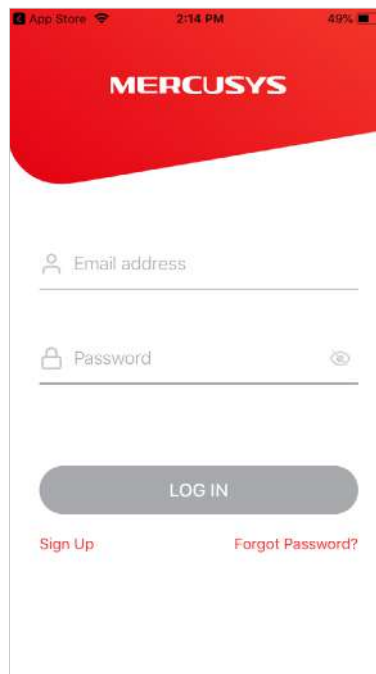
## 2.3 Method 3: Via MERCUSYS App

1. Scan the QR code to download the MERCUSYS app from the Apple App Store or Google Play.

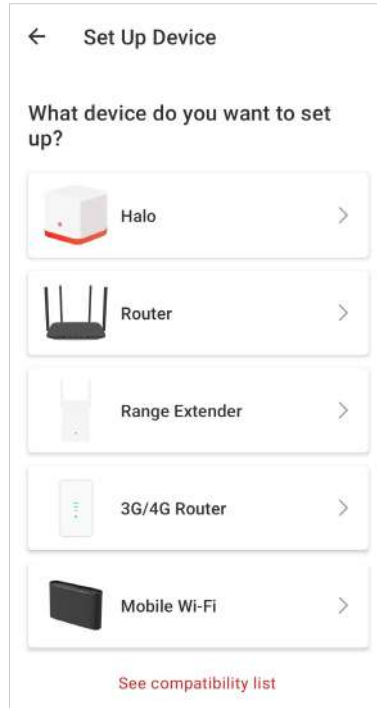


2. Launch the app and log in with your MERCUSYS ID.

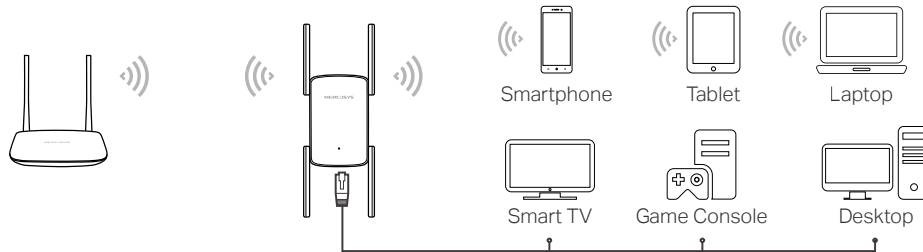
**Note:** If you don't have an account, create one first.



3. Follow app instructions to complete the setup.



**4. Enjoy!** Connect to the extended network and enjoy the internet.



## Chapter 3 Customize Your Network

This chapter guides you on how to configure network settings that are available for this extender.

### 3.1 Check Internet Status

You can view the internet status of your extender to check whether you have successfully set up the extended network(s).

1. Visit **<http://mwlogin.net>**, and log in with the password you set for the extender.
2. Go to **Network Map** to view the internet status of your extender.
  - The extender runs normally.



- The extender fails to connect to the host networks. Please go to **Wireless > Connect to Host Network** to check whether the host network passwords are correct. If the problem still exists, relocate the extender closer to the router to achieve better signal quality.



- The extender is connected to the host networks, but is not transmitting data. Please check the internet connection of your router.



- The extender is connected to the router abnormally. Please go to **Settings > Network** and try setting your extender to obtain an IP address automatically.



Click the icon of the Internet/Router/Range Extender/Clients to view corresponding information.

## 3.2 Configure Wireless Network

If you want to extend another host network after Quick Setup, you can refer to this section. Moreover, you can change the wireless settings for your extended networks.

Visit <http://mwlogin.net>, and log in with the password you set for the extender.

- To extend another host network:

1. Go to **Wireless > Connect to Host Network**.

The screenshot shows the 'Connect to Host Network' configuration page. The title is 'Connect to Host Network' and the subtitle is 'Connect range extender to an existing Wi-Fi to expand Wi-Fi coverage.' There are two sections for configuring 2.4GHz and 5GHz networks. Each section has a 'Connect to [Frequency] Network' checkbox (checked), a 'WIRELESS SCANNER' button, and input fields for Host SSID, Host Security (WPA/WPA2-Personal(Recommended)), and Host Password.

2. Enable **Connect to 2.4GHz Network** and click **WIRELESS SCANNER** to find all available networks.

3. Select the 2.4GHz host network you want to extend.

**Note:**

If the network you want to extend is on but not listed, please try the following steps.

- Move the extender closer to your router, and click **Refresh** in the top-right corner of the list.

· You can manually enter the SSID (network name) and password of the network you want to extend, and click **SAVE**.

4. Once a host network is selected, the SSID and security type will be automatically filled in. If the selected network is encrypted, enter the password in the **Password** field.

5. Click **SAVE**.

• **To enable or disable the extended network:**

1. Go to **Wireless > Extended Network**.

**Extended Network**  
Customize your extend Wi-Fi.

**Extended 2.4GHz:**  Enable

Extended 2.4GHz SSID:  [Sharing Network](#)

**COPY HOST SSID**

Hide SSID broadcast

Notes: The extended 2.4GHz password is the same as your Host password.

**Extended 5GHz:**  Enable

Extended 5GHz SSID:  [Sharing Network](#)

**COPY HOST SSID**

Hide SSID broadcast

Notes: The extended 5GHz password is the same as your Host password.

2. Extended networks are enabled by default. If you want to disable the wireless function of a certain band, just clear the **Enable** checkbox. In this case, all the wireless settings of this band will be invalid.

3. Click **SAVE**.

• **To change the wireless network name (SSID):**

1. Go to **Wireless > Extended Network**.

2. Create a new SSID in **Extended 2.4GHz SSID** or click **COPY HOST SSID**. The value is case-sensitive.

3. Click **SAVE**.

**Note:**

If you have changed the wireless settings via a wireless device, you will be disconnected after the settings are applied. Please write down the new SSID for future use.

- To hide the SSID of the extended network:

1. Go to **Wireless > Extended Network**.
2. Select **Hide SSID broadcast**, and the corresponding SSID will not be displayed when wireless devices scan for local wireless networks. You need to manually enter the SSID to join the network.
3. Click **SAVE**.

### 3.3 Change LAN Settings

The extender is preset with a default LAN IP 192.168.0.254, with which you can log in to the web management page. The LAN IP address, together with the Subnet Mask, also defines the subnet that the connected devices are on. If the IP address conflicts with another device on your local network or your network requires a specific IP subnet, you can change it.

1. Visit **<http://mwlogin.net>**, and log in with the password you set for the extender.
2. Go to **Settings > Network > LAN Settings**.
3. Select **Use the following IP address**.

**LAN Settings**  
View and configure LAN settings.

Obtain an IP address automatically (Recommended)  
 Use the following IP address

IP Address:

Subnet Mask:

Default Gateway:

Primary DNS:

Secondary DNS:  (Optional)

4. Enter a new **IP Address** as needed, and leave the **Subnet Mask** as the default settings.
5. Enter the gateway that is in the same subnet as the **IP Address**. The gateway is usually the LAN IP address of your router.
6. Leave the primary and secondary DNS addresses as the default settings.
7. Click **SAVE**.

### 3.4 Specify DHCP Server Settings

By default, the DHCP (Dynamic Host Configuration Protocol) Server is auto and the extender acts as a DHCP server and dynamically assigns TCP/IP parameters to client devices from the IP Address Pool when the router's DHCP server is disabled. You can change the settings of the DHCP Server if necessary.

1. Visit <http://mwlogin.net>, and log in with the password you set for the extender.
2. Go to **Settings > Network > DHCP Server**.

The screenshot shows the DHCP Server configuration interface. At the top, it says "DHCP Server". Below that, there are three radio buttons: "Auto", "On", and "Off". The "On" radio button is selected. Underneath, there are several input fields: "IP Address Pool" with the value "192.168.0.100 - 192.168.0.199", "Address Lease Time" with the value "120" and the unit "minutes" (with a note "(1-2880. The default value is 3.)"), "Default Gateway" with the value "0.0.0.0" and the label "(Optional)", "Primary DNS" with the value "0.0.0.0" and the label "(Optional)", and "Secondary DNS" with the value "0.0.0.0" and the label "(Optional)".

1. Select **On** to enable the DHCP Server of the extender.
2. Enter the starting and ending IP addresses in the **IP Address Pool**.
3. Enter other parameters if the ISP offers. The Default Gateway is automatically filled in and is the same as the LAN IP address of the router.
4. Click **SAVE**.

### 3.5 Set High Speed Mode

The High Speed feature switches off one of the wireless bands to leave one high-performance, super-fast network, ideal for HD streaming and gaming applications.

If most of your devices are connected to one wireless band, this feature can increase the overall performance of your wireless network.

**Note:**

Before enabling this feature, please go to **Wireless > Extended Network** and check that the 2.4GHz and 5GHz bands are both enabled. Additionally, if you are going to disable the 2.4GHz network, it's recommended to first make sure all your wireless devices support 5GHz network connection.

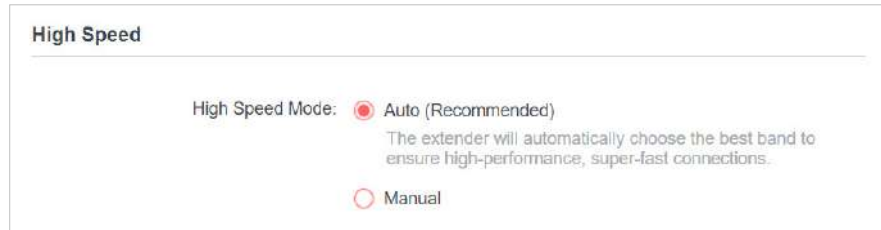
1. Visit <http://mwlogin.net> and log in with the password you set for the extender.
2. Go to **Settings > Advanced Settings > High Speed**.



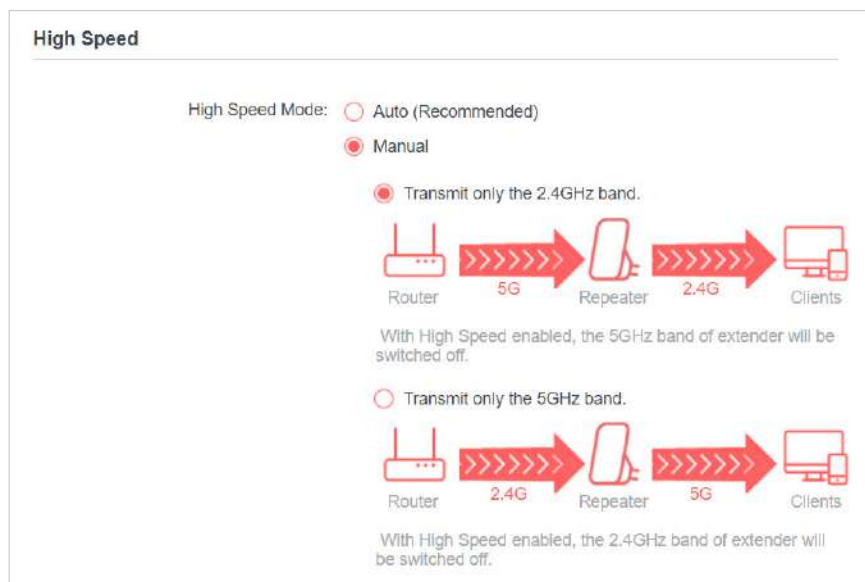
### 3. Enable **High Speed Mode**.

#### 4. Select a high speed mode as needed.

- Select the **Auto** mode. The extender will decide which band the high-speed network will work on based on its wireless connection to your host router. The other band will be disabled.



- Select the **Manual** mode and choose to transmit 2.4GHz band or 5GHz band only.

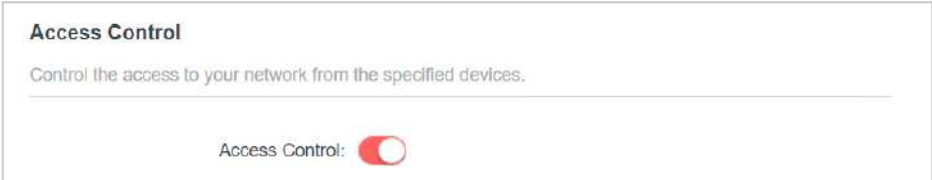


#### 5. Click **SAVE**.

## 3.6 Set Access Control

Access Control allows you to permit or block specific devices from accessing the internet for a specific period.

1. Visit <http://mwlogin.net> and log in with the password you set for the extender.
2. Go to **Settings > Advanced Settings > Access Control**.
3. Enable **Access Control**.

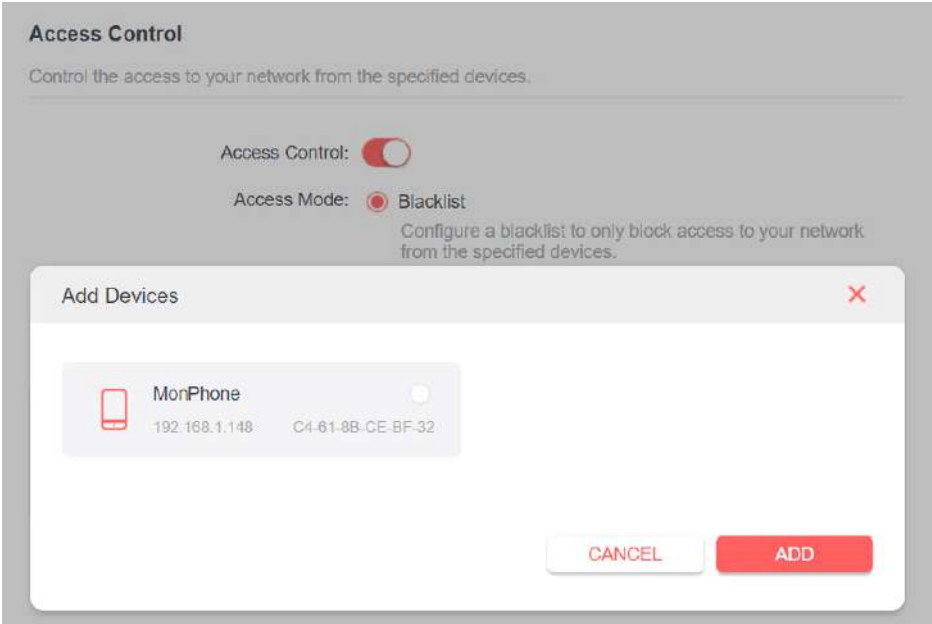


• To block specific device(s):

**Note:**

Devices connected to the extender via an Ethernet cable cannot be blocked.

1. Select **Blacklist** and click **Add**.



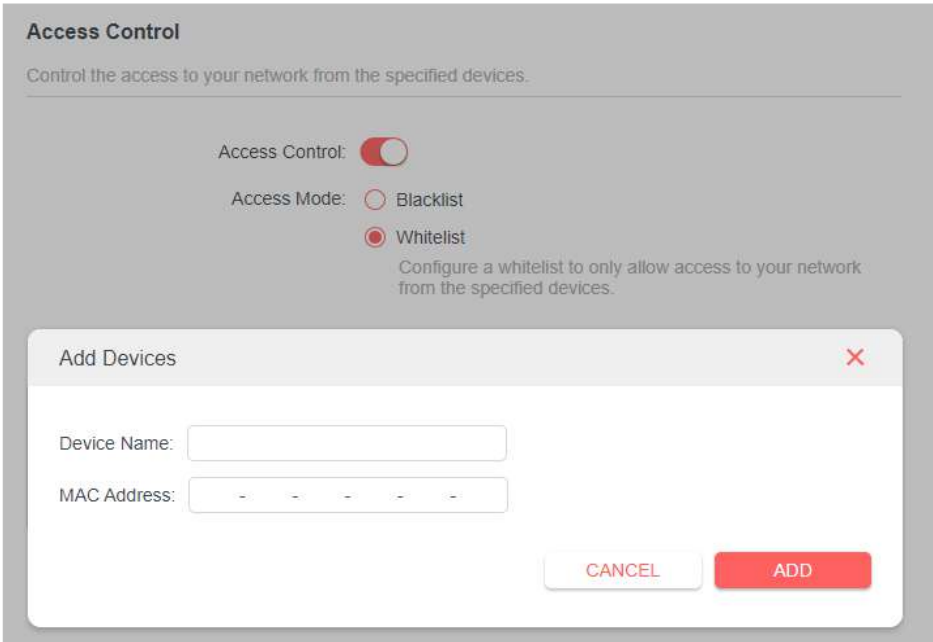
2. Select the device to be blocked in the **Add Devices** table.

3. Click **ADD** and the selected device(s) will be added to the blacklist.

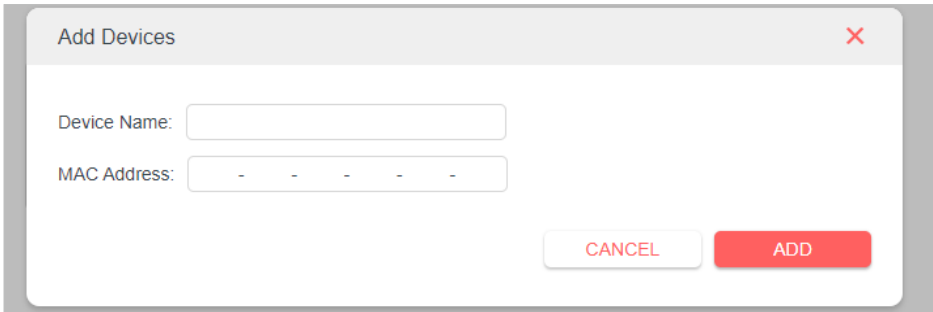


• To permit specific device(s):

1. Select **Whitelist** and click **Add**.



2. Enter the **Device Name** and **MAC Address**.



3. Click **ADD** and the selected device(s) will be added to the whitelist.

Device Type	Device Name	MAC Address	Modify
	My PC	c4-61-8b-ce-bf-32	

### 3.7 Adjust Wi-Fi Coverage

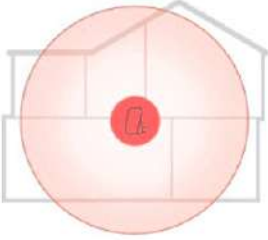
You can set the extender’s Wi-Fi coverage depending on how large you want your Wi-Fi area to be.

1. Visit <http://mwlogin.net> and log in with the password you set for the extender.
2. Go to **Settings > Advanced Settings > Wi-Fi Coverage**.
3. Select your desired Wi-Fi coverage level for the extender.

**Wi-Fi Coverage**

Set the Wi-Fi coverage of your extender as needed.

---



**Maximum Coverage**  
The extender will provide a long-range Wi-Fi signal but use up more power.

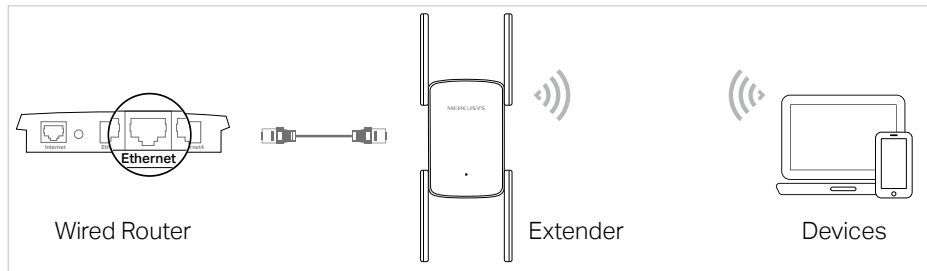
**Intermediate Coverage**  
The extender will provide a medium-range Wi-Fi signal.

**Minimum Coverage**  
The extender will provide a short-range Wi-Fi signal and use up less power.

4. Click **SAVE**.

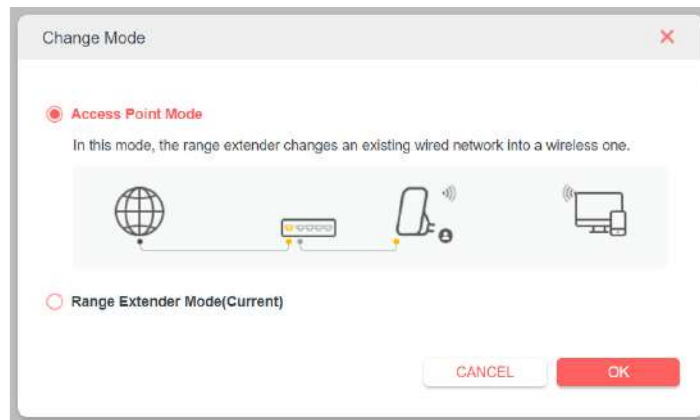
## Chapter 4 Use Your Extender as an Access Point

The extender can work as an access point, transforming your existing wired network to a wireless one.



### 4.1 Set Up the Extender as an Access Point

1. Connect your computer to the extender via an Ethernet cable.
2. Visit <http://mwlogin.net>, and log in with the password you set for the extender.
3. Click **Change Mode** in the top right corner of the page. Select **Access Point Mode** and click **OK**. The extender will reboot and switch to Access Point mode.



4. Visit <http://mwlogin.net>, and log in with the password you set for the extender.
5. Go to **Settings > Quick Setup** to configure your extender.
  - 1) Customize your wireless SSID and password and click **NEXT**.

**Wireless Settings**

**2.4GHz Wireless:**  Enable

SSID:

Password:

**5GHz Wireless:**  Enable

SSID:

Password:

**NEXT**

2) Confirm the information and click **FINISH**.

**Click to Finish**

The wireless settings have been changed. Please reconnect to the network when the setup is finished.

**FINISH**

6. Connect the extender to your modem or wired router via an Ethernet cable. Now you can enjoy Wi-Fi.

## 4.2 Connect Wireless Devices to the Extender

### Method 1: Connect to the extender manually

You can connect your wireless devices to the extender by using the extender's wireless network names and passwords.

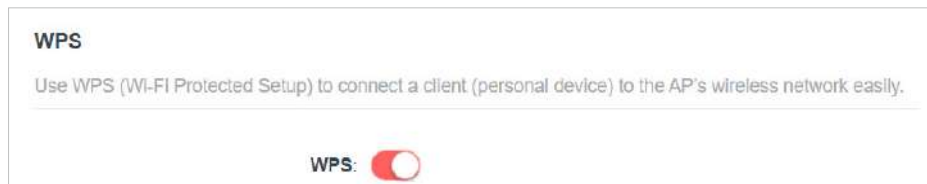
### Method 2: Connect to the extender via WPS

Wi-Fi Protected Setup (WPS) provides an easier way to set up a secure Wi-Fi connection.

Wireless devices that support WPS, including Android phones, tablets, and most

USB network cards, can be connected to your extender through this method (not supported by iOS devices).

1. Visit **http://mwlogin.net**, and log in with the password you set for the extender.
2. Go to **Wireless > WPS**.
3. Enable **WPS**.

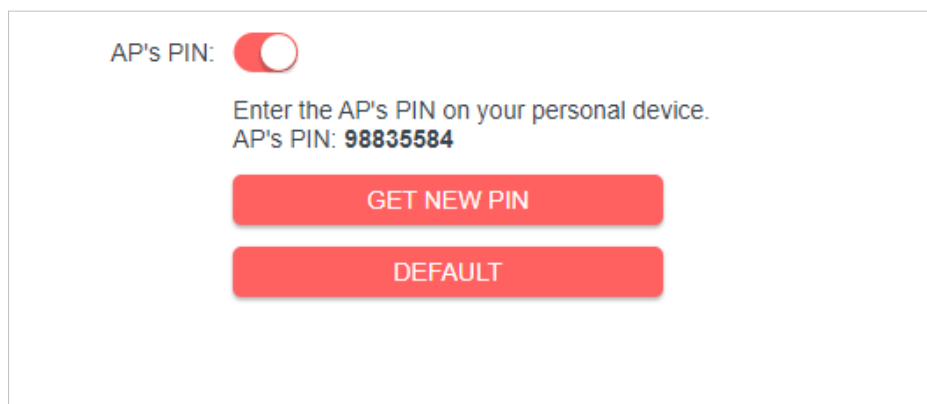


#### 4. Connect via WPS:

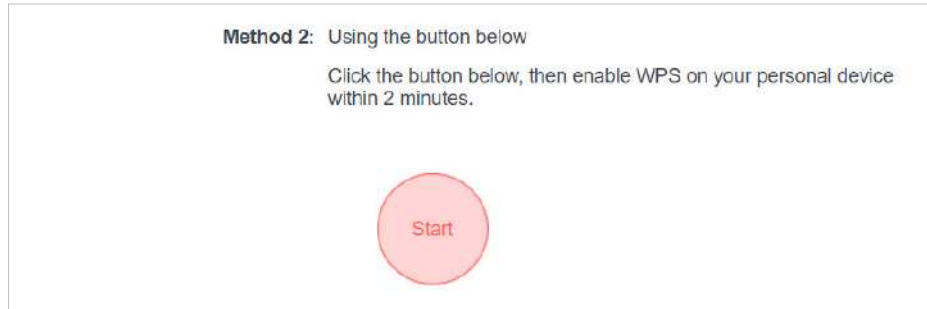
- Client's PIN: Enable **Client's PIN** and enter your device's PIN in the blank, and then click **CONNECT**.



- AP's PIN: Enable **AP's PIN** and enter the PIN on your device. You can click **GENERATE** to get a new PIN or click **DEFAULT** to restore the PIN to its factory one.



- Push Button (Recommended): Click **Start** and push the WPS button on the client device within 2 minutes.



- Push AP's WPS button: Press the AP's WPS button, then enable WPS on your device within 2 minutes.



### 4.3 LED Explanation for the Access Point Mode

When the extender works in the Access Point mode, you can check its working status by following the LED Explanation table below.

LED	Status	Indication
Signal	Off	Power is off.
	Blinking green	The extender is starting, upgrading, or performing WPS connection.
	Blinking red	WPS connection failed.
	Solid green	Both 2.4 GHz and 5 GHz Wi-Fi bands are working well.
	Solid orange	Either 2.4 GHz or 5 GHz Wi-Fi band is disabled.
	Solid red	Both 2.4 GHz and 5 GHz Wi-Fi bands are disabled.



## Chapter 5 Manage the Extender

This chapter presents how to manage and maintain your extender.

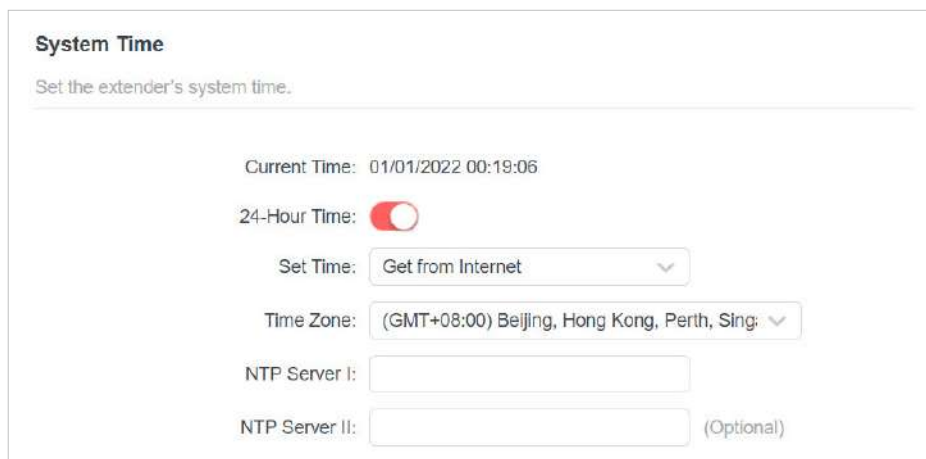
### 5.1 Set System Time

The System Time of the extender will be used for time-based function such as the Power Schedule function. If you have enabled the Daylight Saving Time feature, the system time will be synchronized with the daylight saving time you configure.

1. Visit **<http://mwlogin.net>**, and log in with the password you set for the extender.
2. Go to **Settings > System Tools > Time Settings**.

- **To get system time:**

1. Select your local **Time Zone** from the drop-down list.



The screenshot shows the 'System Time' configuration page. At the top, it says 'System Time' and 'Set the extender's system time.' Below this, the 'Current Time' is displayed as '01/01/2022 00:19:06'. The '24-Hour Time' option is a toggle switch that is currently turned on (red). The 'Set Time' dropdown menu is set to 'Get from Internet'. The 'Time Zone' dropdown menu is set to '(GMT+08:00) Beijing, Hong Kong, Perth, Sing:'. There are two empty input fields for 'NTP Server I:' and 'NTP Server II: (Optional)'.

2. Click **SAVE**.

- **To set up Daylight Saving Time:**

1. Enable **Daylight Saving Time**.

**Daylight Saving Time**

Automatically synchronize the system time with daylight saving time.

---

**Daylight Saving Time:**  Enable

Start:2022    Mar    Last

                  Sunday    01:00

End:2022    Oct    Last

                  Sunday    01:00

Running Status: Daylight Saving Time is off.

2. Select the **Start and End** date and time of the daylight saving time at your local time zone.

3. Click **SAVE**.

## 5.2 Control the LED

The LED of the extender indicates its activities and status. You can turn off the LED when you don't need it.

1. Visit <http://mwlogin.net>, and log in with the password you set for the extender.

2. Go to **Settings > Advanced Settings > LED Control**.

- To turn off the LED:

Disable **LED Status**.

**LED Control**

Turn the extender's LEDs on or off.

---

LED Status:

- To specify a time period when the LED turns off:

1. Enable **Night Mode**.

2. Specify the LED off time period.

**Note:**

The effective LED off time is based on the time of the extender. You can go to **Settings > System Tools > Time Settings** to modify the time.

3. Click **SAVE**.

**Night Mode**

Set a time period when the LEDs will be off automatically.

---

**Night Mode:**  Enable

**Note:** Make sure **Time Settings** are correct before using this function.

**Current Time:** 09/24/2020 15:13:00

LED Off From: 21 : 00

To: 09 : 00 (next day)

### 5.3 Set Power Schedule

The Power Schedule feature allows you to specify a time period during which the extender is off.

1. Visit <http://mwlogin.net>, and log in with the password you set for the extender.
2. Go to **Settings > Advanced Settings > Power Schedule**.

• To specify a time period when the extender is off:

1. Click **Add**.
2. Specify the power off time period and **repetitive days**.

**Note:**

The effective power off time is based on the time of the extender. You can go to **Settings > System Tools > Time Settings** to modify the time.

**Power Schedule**

Schedule when to automatically turn off your extender.

---

**Notes:** Before enabling Power Schedule, please make sure the **Time Settings** is correct.

**Current Time:** 01/01/2020 00:25:25

+ Add

Add ×

Power Off Time: From 21:00

To: 09:00 (next day)

Repeat: S M T W T F S

CANCEL
SAVE

3. Click **SAVE**.

## 5.4 Upgrade the Firmware

You can download the latest firmware file from the **Support** page at our website **www.mercusys.com** and upgrade the extender to the latest firmware version.

### Note:

- Make sure the latest firmware file is matched with the hardware version.
- Make sure that you have a stable connection between the extender and your computer. It is NOT recommended to upgrade the firmware wirelessly.
- We strongly recommend you back up the current configuration settings before firmware upgrade.
- Do NOT power off the extender during the firmware upgrade.

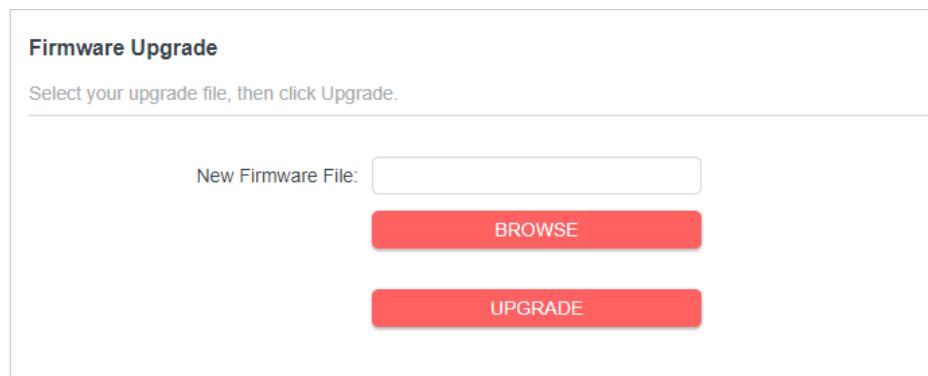
1. Download the latest firmware file for the extender from our website

**www.mercusys.com**.

2. Visit **http://mwlogin.net**, and log in with the password you set for the extender.

3. Go to **Settings > System Tools > Firmware Upgrade**.

4. Click **BROWSE** to locate the downloaded new firmware file, and then click **UPGRADE**.



The screenshot shows a web interface titled "Firmware Upgrade". Below the title, there is a instruction: "Select your upgrade file, then click Upgrade." A horizontal line separates this instruction from the input area. In the input area, there is a label "New Firmware File:" followed by a text input field. Below the input field, there are two red buttons: "BROWSE" and "UPGRADE".

5. Wait a few minutes for the firmware upgrade to complete and the extender to reboot.

## 5.5 Back up and Restore Configuration Settings

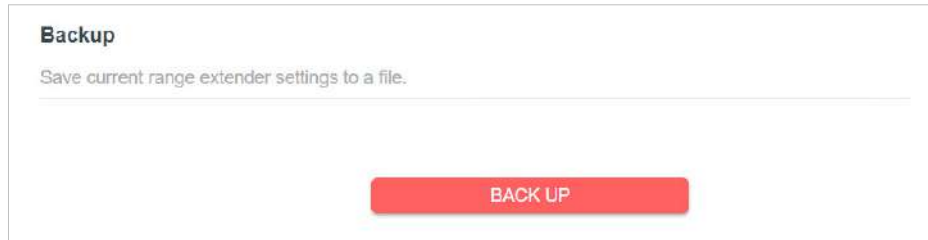
The configuration settings are stored as a configuration file in the extender. You can back up the configuration file and restore the extender to the previous settings from the backup file when needed. Moreover, if necessary, you can erase the current settings and reset the extender to the default factory settings.

1. Visit **http://mwlogin.net**, and log in with the password you set for the extender.

2. Go to **Settings > System Tools > Backup & Restore**.

- **To back up configuration settings:**

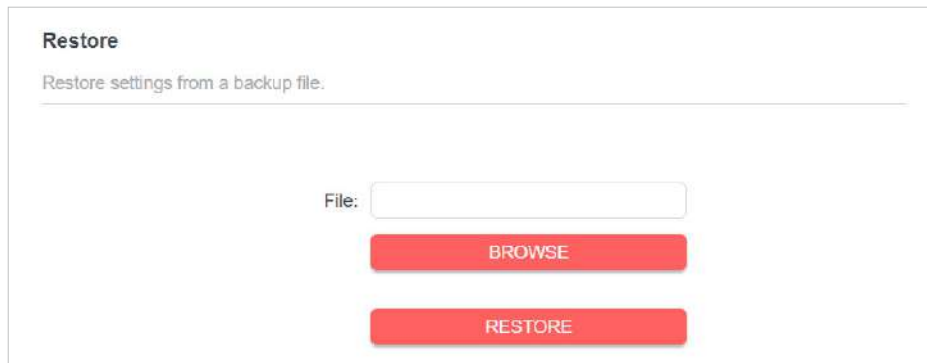
Click **BACK UP** to save a copy of the current settings to your local computer. A '.bin' file of the current settings will be stored on your computer.



The screenshot shows a web interface titled "Backup". Below the title is the instruction "Save current range extender settings to a file." followed by a horizontal line. At the bottom center of the interface is a red button labeled "BACK UP".

- **To restore previous settings from a saved file:**

1. Click **BROWSE** to locate the backup configuration file stored on your computer, and click **RESTORE**.



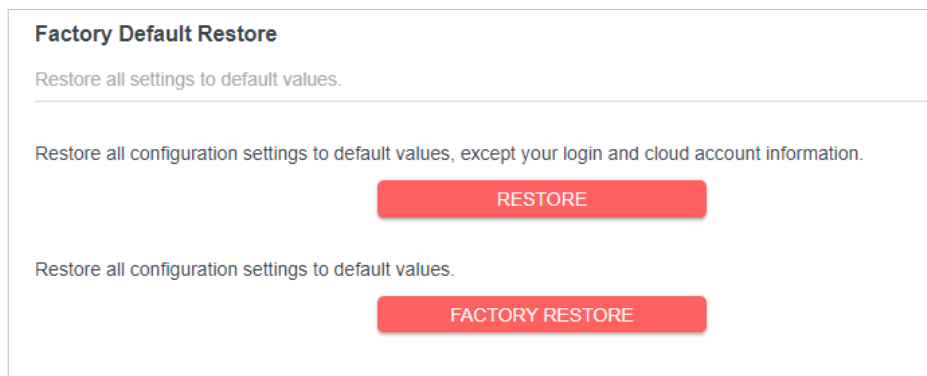
The screenshot shows a web interface titled "Restore". Below the title is the instruction "Restore settings from a backup file." followed by a horizontal line. In the center, there is a label "File:" next to an empty text input field. Below the input field are two red buttons: "BROWSE" and "RESTORE".

2. Wait a few minutes for the restore and reboot.

**Note:** During the restore process, do not power off or reset the extender.

- **To reset the extender to factory default settings:**

1. Click **FACTORY RESTORE** to reset the extender.



The screenshot shows a web interface titled "Factory Default Restore". Below the title is the instruction "Restore all settings to default values." followed by a horizontal line. Below this is the text "Restore all configuration settings to default values, except your login and cloud account information." and a red button labeled "RESTORE". Below that is the text "Restore all configuration settings to default values." and a red button labeled "FACTORY RESTORE".

2. Wait a few minutes for the reset and reboot.

**Note:**

1. During the reset process, do not power off or reset the extender.
2. We strongly recommend you back up the current configuration settings before resetting the extender.

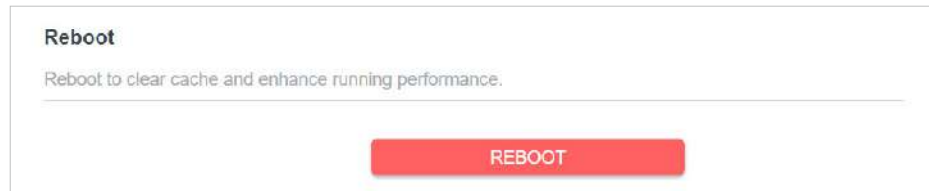
## 5.6 Reboot the Extender

You can reboot your extender to clear cache and enhance running performance if needed.

1. Visit <http://mwlogin.net>, and log in with the password you set for the extender.
2. Go to **Settings > System Tools > Reboot**.

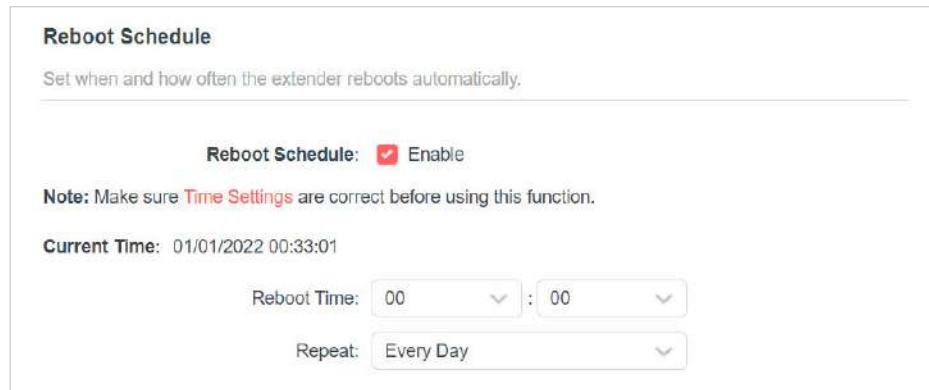
- **To reboot the extender**

Click **REBOOT** and wait a few minutes.



- **To set up reboot schedule**

Enable **Reboot Schedule** and set the corresponding settings.



## 5.7 Change Login Password

The account management feature allows you to change your login username and password of the web management webpage.

1. Visit <http://mwlogin.net>, and log in with the password you set for the extender.
2. Go to **Settings > System Tools > Change Login Password**.
3. Enter the old password. Then enter the new password twice (case-sensitive) and

click **SAVE**.

### Change Login Password

Change the extender's local management password.

Old Password:

New Password:

Confirm New Password:

4. Use the new password for future logins.

## 5.8 Check System Log

If the extender is not working properly, you can save the system log and send it to our technical support team.

1. Visit <http://mwlogin.net>, and log in with the password you set for the extender.

2. Go to **Settings > System Tools > System Log**.

### • To save the system log locally:

1. Choose the type and level of the system log as needed.

2. Click **SAVE LOG** to save the system logs to a local disk.



### System Log

View a detailed record of system activities.

Current Time: 01/01/2022 00:35:27

Log Type: ALL

Search

 Refresh  Clear All

1 INFO 0days, 00:35:00, Delete all messages!

**SAVE LOG**

## FAQ (Frequently Asked Questions)

### **Q1. How to restore my extender's configuration to its factory default settings?**

- Option 1: With the extender powered on, press and hold the RESET/WPS button for more than 5 seconds until the Signal LED turns off, then release the button.
- Option 2: Log in to the extender's web management page, go to **Settings > System Tools > Backup & Restore**, and click **FACTORY RESTORE**.

### **Q2. What should I do if I forgot my login password?**

- Restore the extender's configuration to its factory default settings by referring to **Q1**, then create a new password when prompted.

### **Q3. What should I do if I cannot log in to the extender's web management page?**

- Make sure your wireless device is connected to the extended network using the extended SSID.
- Verify that **http://mwlogin.net** is correctly entered in the web browser.
- If you are using a computer, make sure it is set to obtain an IP address automatically.
- Refer to **Q1** to reset the extender and try again.