

Web User Guide

Wi-Fi 6 Range Extender

A23



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Preface

Thank you for choosing Tenda! This guide is a complement to Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, and this guide demonstrates how to configure functions by logging in to the device's web UI.

Applicable product

This guide applies to the Tenda Wi-Fi extender A23 V2.0.

The "extender" and "device" mentioned in this guide refer to Tenda Wi-Fi 6 Range Extender A23 V2.0. The contained images and UI screenshots are subject to the actual products.



Features available in the extender may vary by model and software version. Extender availability may also vary by region. All images, steps, and descriptions in this guide are only examples and may not reflect your actual extender experience.

Conventions

This extender supports mobile and desktop web UI. Unless otherwise specified, the desktop web UI is taken as an example in this guide. Some functions of the mobile web UI are not supported. The actual page prevails.

The product figures and screenshots in this guide are for examples only. They may be different from the actual products you purchased, but do not affect the normal use.

In this guide, unless otherwise specified:

- The firmware version uses V16.03.41.27 of A23 V2.0 as an example.
- The screenshots use the wireless extension mode as an example. For other working modes, the actual web UI prevails.

The typographical elements that may be found in this document are defined as follows.

| Item | Presentation | Example |
|---------------------|--------------|--|
| Cascading menus | > | System > Live Users |
| Parameter and value | Bold | Set User Name to Tom . |
| Variable | Italic | Format: <i>XX:XX:XX:XX:XX:XX</i> |
| UI control | Bold | On the Policy page, click the OK button. |
| Message | “ ” | The “Success” message appears. |

The symbols that may be found in this document are defined as follows.

| Symbol | Meaning |
|--|--|
|  NOTE | This format is used to highlight information of importance or special interest. Ignoring this type of note may result in ineffective configurations, loss of data or damage to device. |
|  TIP | This format is used to supplement or explain the description of relevant operations. |

More information and support

Visit www.tendacn.com and search for the product model to get your questions answered and get the latest documents.

Revision history

Tenda is constantly searching for ways to improve its products and documentation. The following table indicates any changes that might have been made since this guide was released.

| Version | Description | Date |
|---------|-----------------------|------------|
| V1.0 | Original publication. | 2025-06-07 |

Contents

| | |
|---|-----------|
| Connect to the extender network | 1 |
| 1.1 Through wireless connection | 1 |
| 1.2 Through wired connection | 3 |
| Log in to the web UI | 4 |
| 2.1 Log in with a smartphone/tablet | 4 |
| 2.2 Log in with a computer | 6 |
| 2.3 Log out of the web UI | 7 |
| Connect the extender to the internet | 8 |
| 3.1 Re-extend the Wi-Fi | 8 |
| 3.2 Change the working mode | 13 |
| Wi-Fi settings | 18 |
| 4.1 Overview | 18 |
| 4.2 Unify 2.4 GHz and 5 GHz | 20 |
| 4.3 Separate 2.4 GHz and 5 GHz | 21 |
| 4.4 Change Wi-Fi name and password | 22 |
| 4.5 Hide the Wi-Fi networks | 24 |
| Network status | 25 |
| 5.1 View the network extension status | 25 |
| 5.2 View network status of the extender | 28 |
| 5.3 View the number of Wi-Fi clients in the network | 29 |
| 5.4 View the Wi-Fi name of the extender | 30 |
| 5.5 View the IP address of the extender | 31 |
| Client management | 32 |
| 6.1 Overview | 32 |
| 6.2 Add a client to the blacklist | 33 |
| 6.3 Remove a client from the blacklist | 34 |
| More settings | 35 |
| 7.1 Turn on or turn off the indicator | 35 |
| 7.2 Modify channel and bandwidth | 37 |
| 7.3 Change the login password | 39 |

| | |
|---|-----------|
| 7.4 Modify the system time | 40 |
| 7.5 Reboot the extender | 44 |
| 7.6 Reset the extender | 45 |
| 7.7 Export system logs | 46 |
| 7.8 Upgrade firmware system | 47 |
| 7.9 Auto system maintenance | 49 |
| Appendix | 50 |
| A.1 Set the computer IPv4 address | 50 |
| A.2 Connect to the hidden Wi-Fi network | 53 |
| A.3 Default parameter values | 55 |
| A.4 Acronyms and abbreviations | 56 |

1

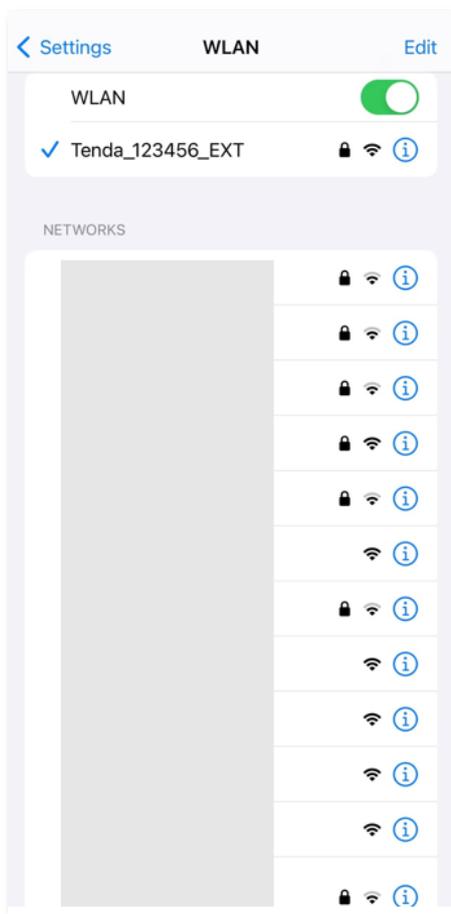
Connect to the extender network

1.1 Through wireless connection

After the extension is completed, the Wi-Fi information of the extender is described below.

| | Wireless Extension Mode | AP Mode |
|-------------------------|---|--|
| Extender Wi-Fi name | <ol style="list-style-type: none">1. If you keep the system default when extending, the extender Wi-Fi name is the router Wi-Fi name_EXT (or 5G_EXT).2. If you select Same as Upstream Wi-Fi when extending, the extender Wi-Fi name is the same Wi-Fi name as the router.3. The Wi-Fi name you set | <ol style="list-style-type: none">1. If you keep the system default when extending, the extender Wi-Fi name is Tenda_EXT (or 5G_EXT).2. The Wi-Fi name you set. |
| Extender Wi-Fi password | <ol style="list-style-type: none">1. If you select Same as Upstream Wi-Fi when extending, the extender Wi-Fi password is the same Wi-Fi password as the router.2. The Wi-Fi password you set. | The Wi-Fi password you set. |

Connect the Wi-Fi-enabled devices such as a smartphone to the extender's Wi-Fi network. The following figure is for reference only.

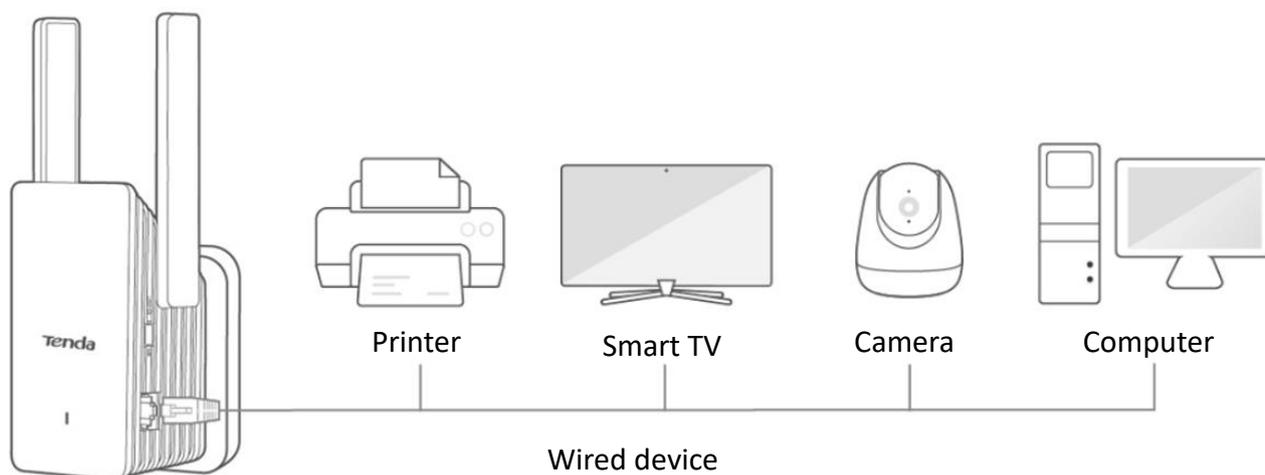


1.2 Through wired connection

Connect the computer to the Ethernet port of the extender.



This connection method is only available when the extender is operating in [Wireless Extension](#).



(Only wireless extension mode can be connected, if using AP mode, connect with **Wi-Fi**)

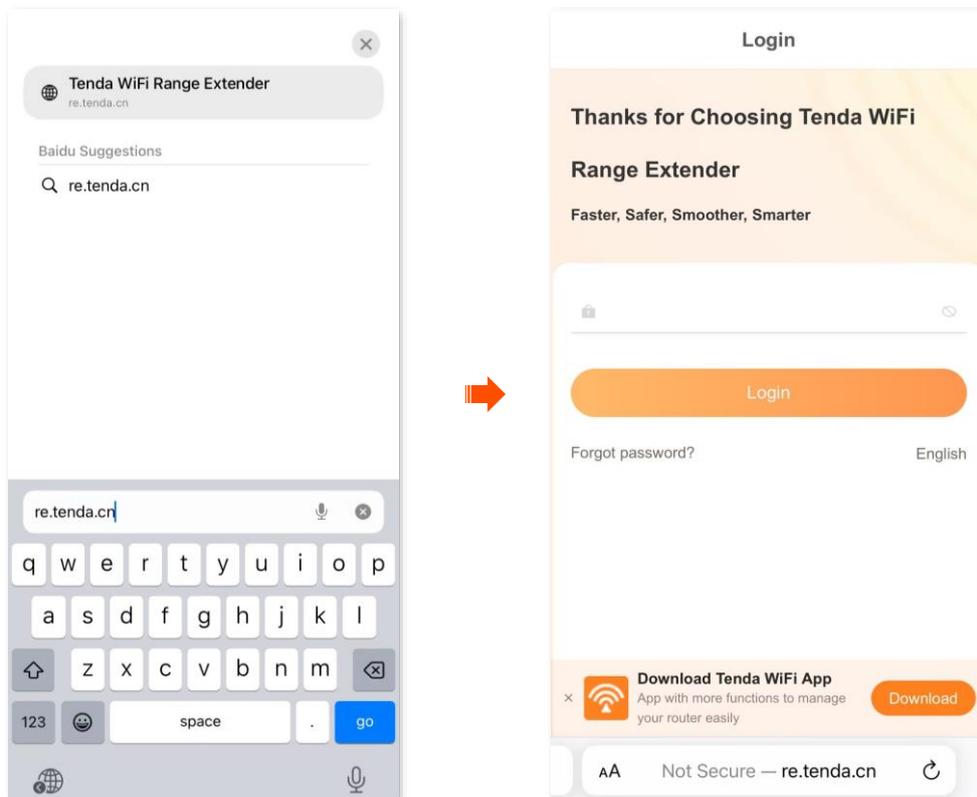
2 Log in to the web UI

If it is the first time you use an extender or you have reset it, visit www.tendacn.com and search for a quick installation guide of the corresponding product models. After a quick setup, you can refer to the following pages to log in to the web UI.

2.1 Log in with a smartphone/tablet

This section uses an iOS phone for illustration. You can also perform the following steps for configuration on a tablet.

1. Start a web browser [on the smartphone connected to the extender](#), and enter **re.tenda.cn** in the address bar (not the search box) to log in to the extender's web UI.
2. Enter your login password, and tap **Login**.



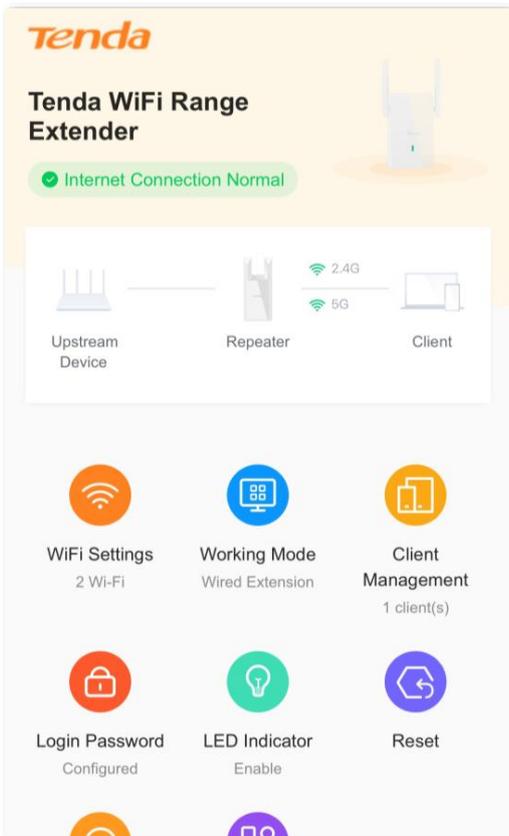
---End



If the above page does not appear, try the following solutions:

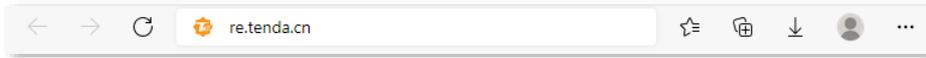
- Ensure that your smartphone is connected to the [Wi-Fi network of the extender](#).
- Ensure that the Mobile Data (if any) function of your smartphone is disabled.
- [Reset the extender to factory settings](#), then log in to the web UI again. In the factory state, the default Wi-Fi name of the extender is **Tenda_EXT**, and no Wi-Fi password is required.

After logging in to the web UI, you can see the following page:

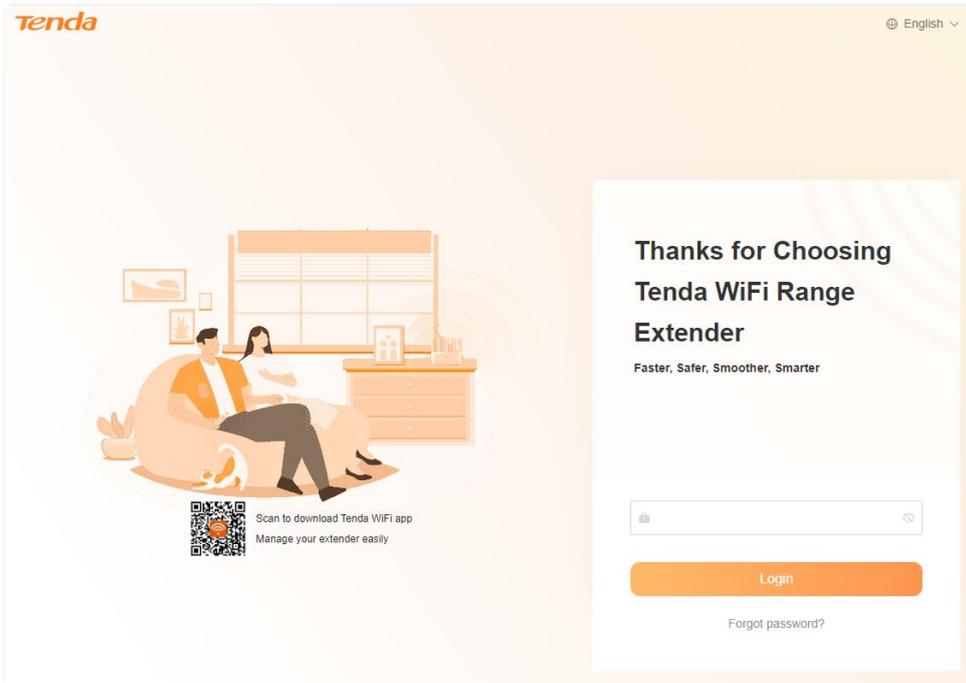


2.2 Log in with a computer

1. Start a web browser on the computer connected to the extender, and enter **re.tenda.cn** in the address bar (not the search box) to log in to the web UI of the extender.



2. Enter your login password, then click **Login**.



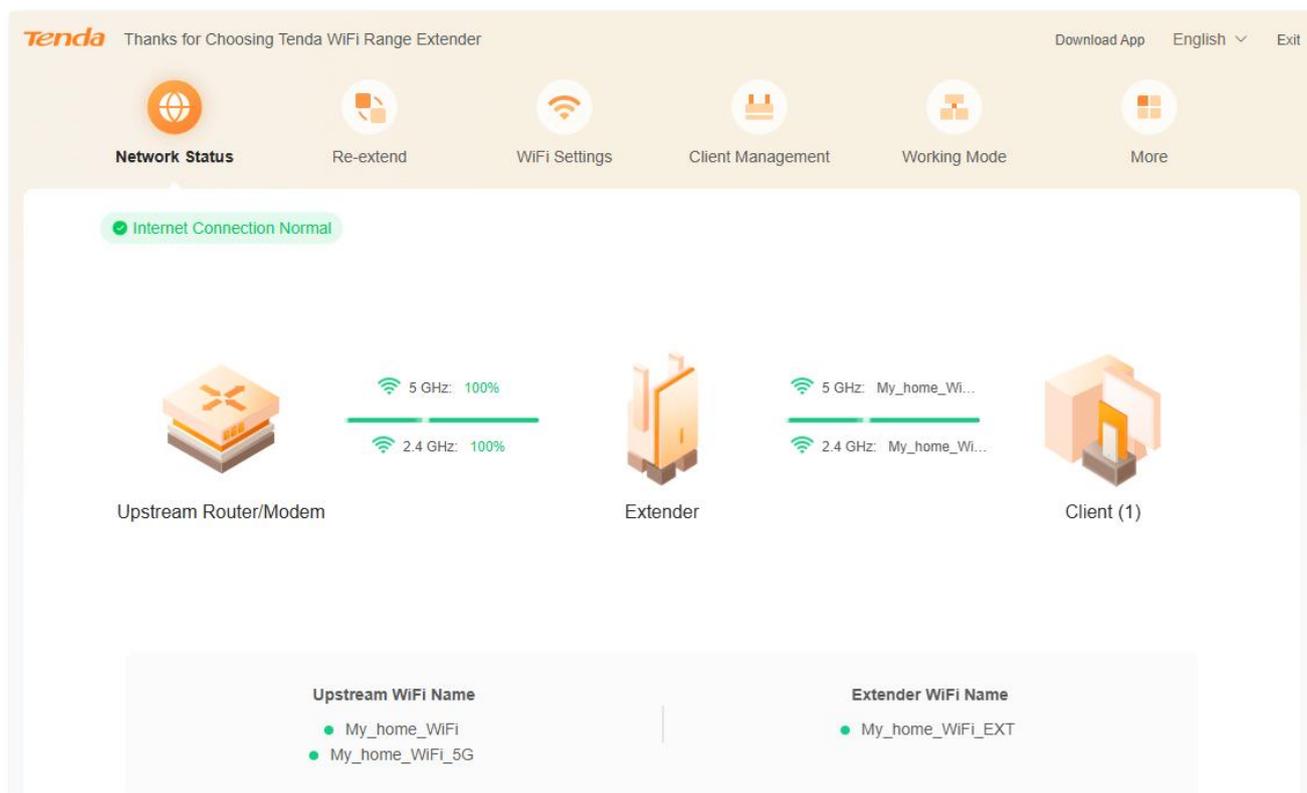
---End



If the above page does not appear, try the following solutions:

- Ensure that your extender is powered on properly.
- Ensure that the Ethernet port of the extender is connected to the computer correctly and securely, or the laptop has been connected to the Wi-Fi of the extender.
- Ensure that your computer has been set to [Obtain an IP address automatically and Obtain DNS server address automatically](#).
- [Reset the extender to factory settings](#), then [log in to the web UI](#) again.

After logging in to the web UI, you can see the following page:



2.3 Log out of the web UI

The extender logs out when you:

- Click the **Exit** button on the upper-right corner of the web UI.
- Close the web browser.
- Perform no operation within 5 minutes.

3 Connect the extender to the internet

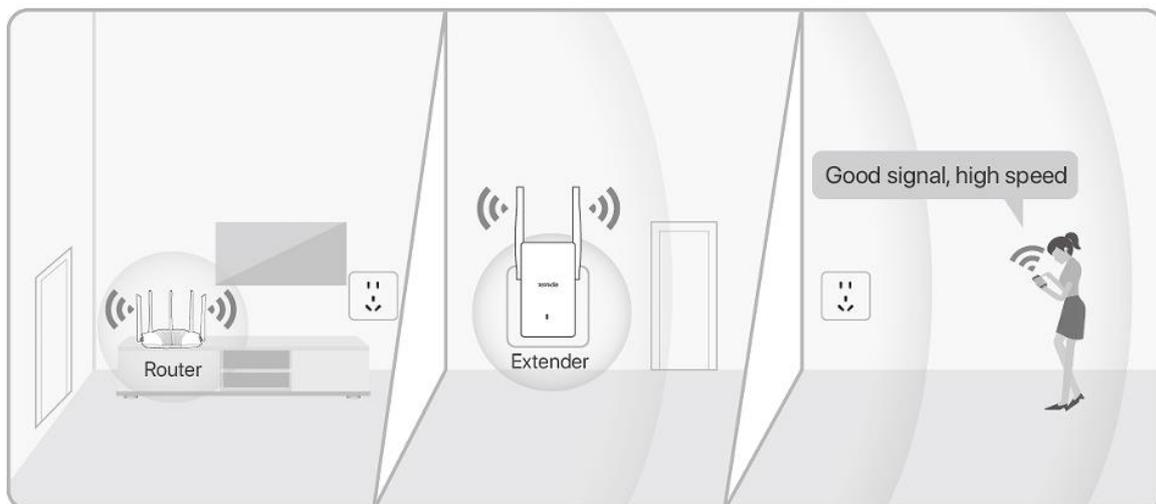
3.1 Re-extend the Wi-Fi

You can configure this function only in the [Wireless extension mode](#). You can try re-extending the Wi-Fi network under the following circumstances:

- When the extender fails to extend the Wi-Fi network of the upstream device.
- When you have extended a Wi-Fi network but want to extend other wireless networks with better signal.
- When you only extended the Wi-Fi network in a single frequency band and want to extend the Wi-Fi network in the other frequency band.

Configuration procedure:

1. Place the extender midway between the router and the Wi-Fi dead zone to ensure stable signal reception and effective area coverage. And plug the extender into a power outlet refer to the following figure.



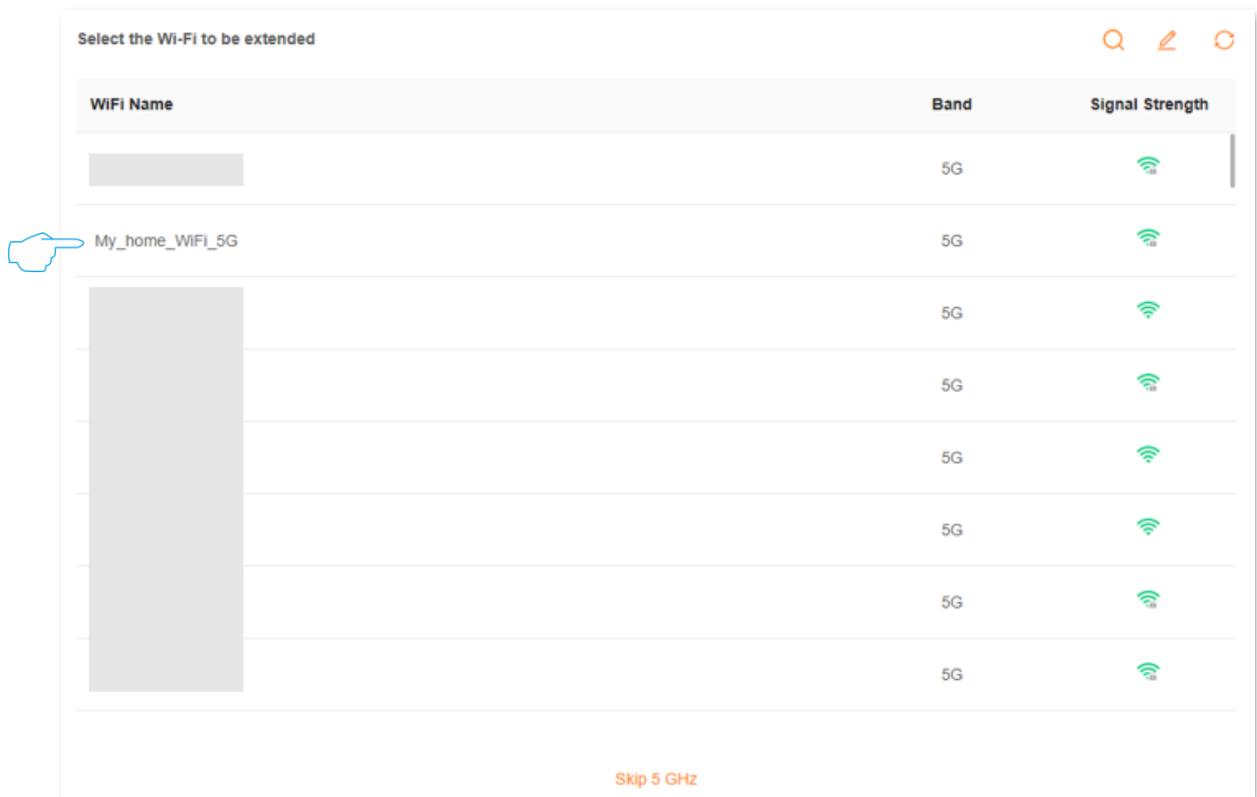
2. Re-extend your Wi-Fi network.

1. [Log in to the web UI of the extender.](#) Navigate to **Re-extend**.
2. If you want to re-extend 5 GHz Wi-Fi, select the Wi-Fi name of 5 GHz Wi-Fi to be extended, which is **My_home_WiFi_5G** in this example. Click **Next**.

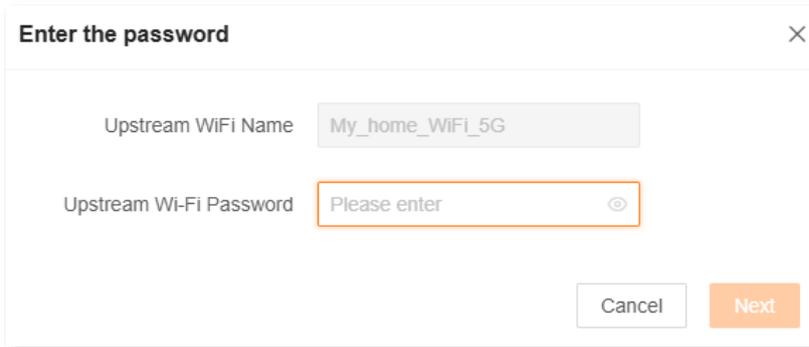
Otherwise, you can click **Skip 5 GHz**.



- Click  to refresh the Wi-Fi list on the current page.
- If the target Wi-Fi cannot be found, ensure that the router's 2.4 GHz Wi-Fi is enabled, and the encryption method of the Wi-Fi is WPA-PSK or WPA2-PSK, and the **Hidden Wi-Fi** or **Wi-Fi Schedule** function is disabled.
- For hidden Wi-Fi networks, click  at the top right corner and enter the Wi-Fi related information to extend it.



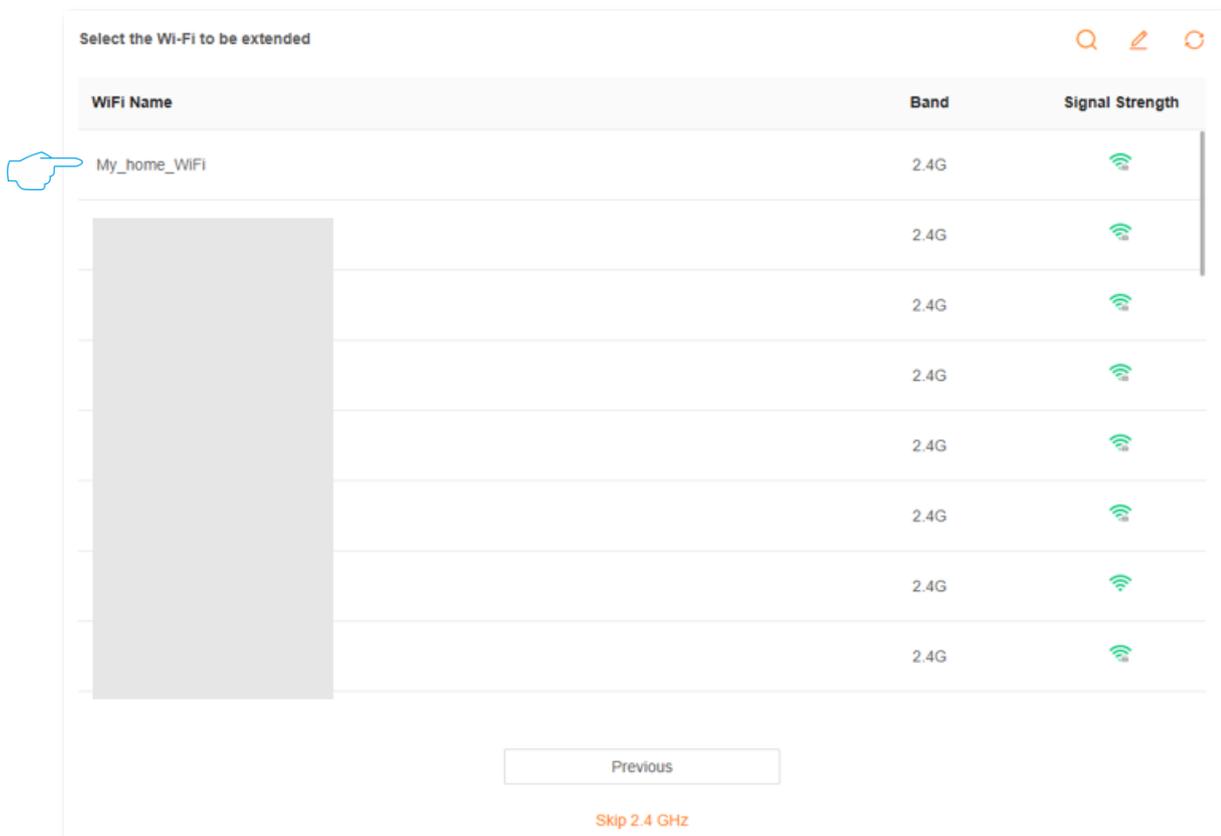
3. If the extended 5 GHz network has a password, enter its Wi-Fi password, and click **Next**.



The screenshot shows a dialog box titled "Enter the password" with a close button (X) in the top right corner. It contains two input fields: "Upstream WiFi Name" with the value "My_home_WiFi_5G" and "Upstream Wi-Fi Password" with the placeholder text "Please enter" and a visibility icon. At the bottom right, there are two buttons: "Cancel" and "Next".

4. If you want to re-extend 2.4 GHz Wi-Fi, select the Wi-Fi name of 2.4 GHz Wi-Fi to be extended, which is **My_home_WiFi** in this example. Click **Next**.

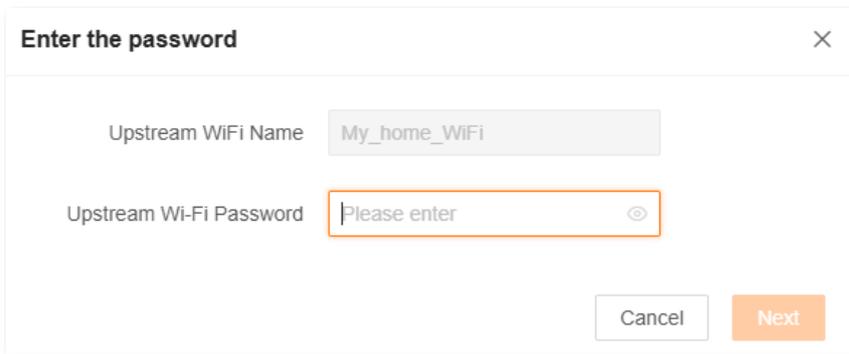
Otherwise, you can click **Skip 2.4 GHz**.



The screenshot shows a dialog box titled "Select the Wi-Fi to be extended" with search, edit, and refresh icons in the top right corner. It contains a table with three columns: "WiFi Name", "Band", and "Signal Strength". The first row is highlighted, and a blue hand icon points to it. Below the table, there is a "Previous" button and a "Skip 2.4 GHz" link.

| WiFi Name | Band | Signal Strength |
|--------------|------|-----------------|
| My_home_WiFi | 2.4G | 📶 |
| | 2.4G | 📶 |

5. If the extended 2.4 GHz network has a password, enter its Wi-Fi password, and click **Next**.



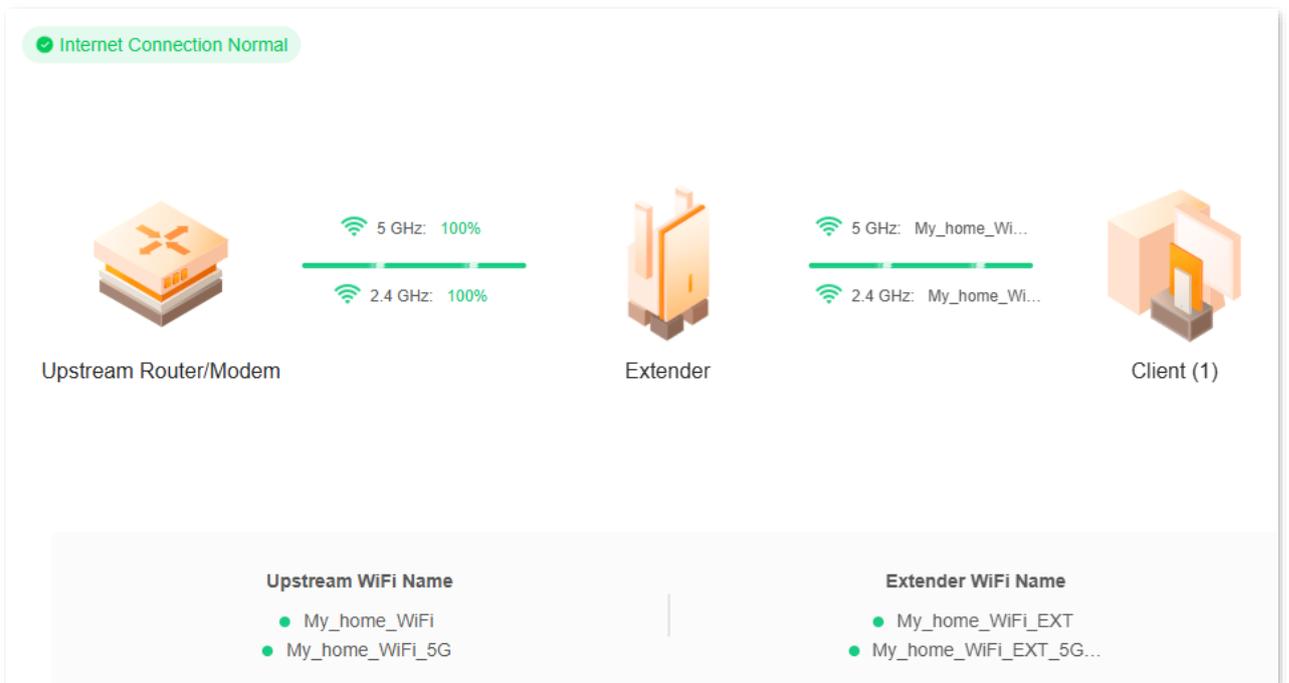
Enter the password

Upstream WiFi Name: My_home_WiFi

Upstream Wi-Fi Password: Please enter

Cancel Next

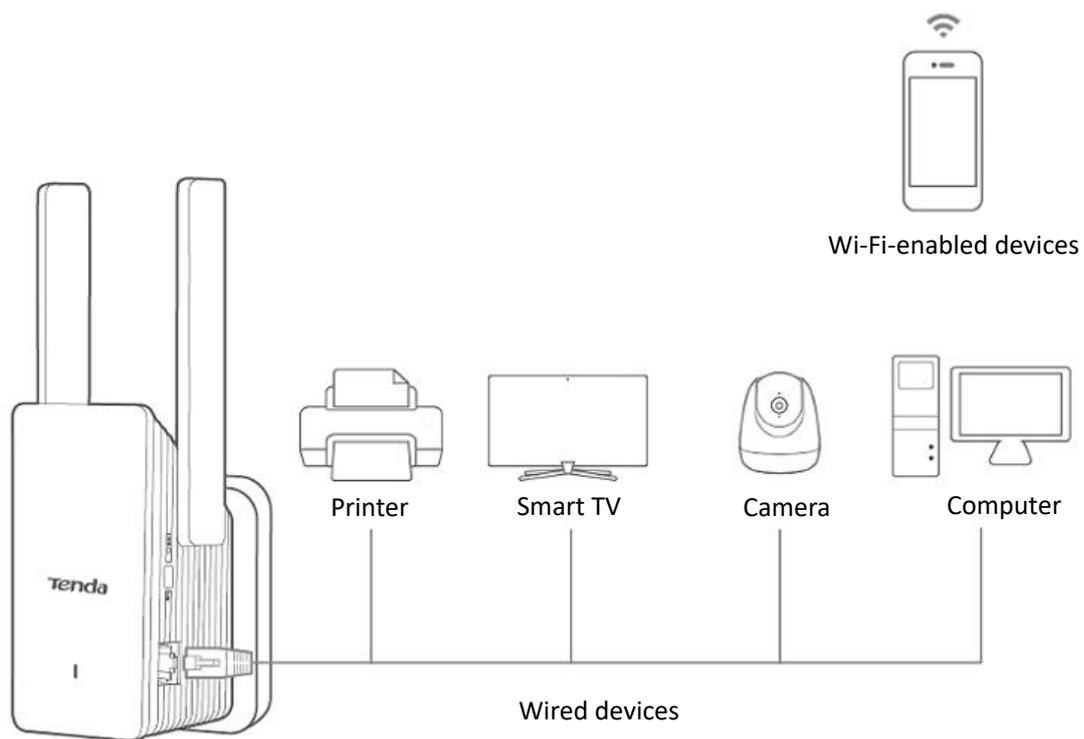
- ☑ The extension is completed. Log in to the extender web UI to view the extension situation. The following figure is for reference only.



After the extension is completed, if the extender indicator is solid yellow or solid red, move the extender close to the router.

---End

Connect your Wi-Fi enabled devices or wired devices to the extended network of the extender to access the internet.



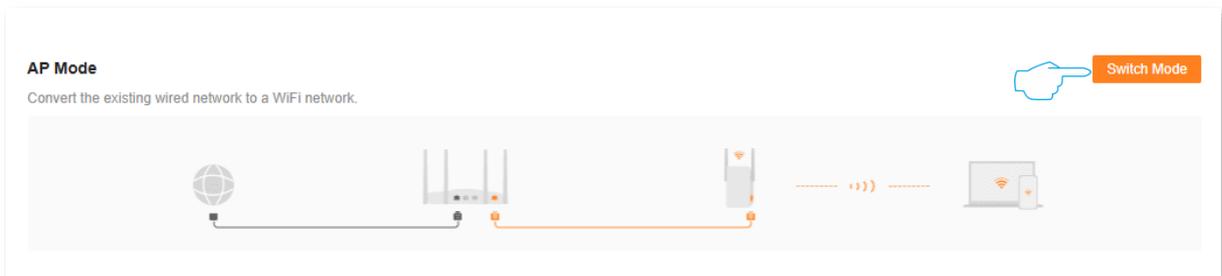
3.2 Change the working mode

The extender supports both wireless extension and wired extension (AP Mode). If you have Ethernet cables deployed in your home, it is recommended to use the **AP Mode**. Otherwise, opt for the **Wireless Extension**. Choose the extension type as required, and refer to the following section for configuration.

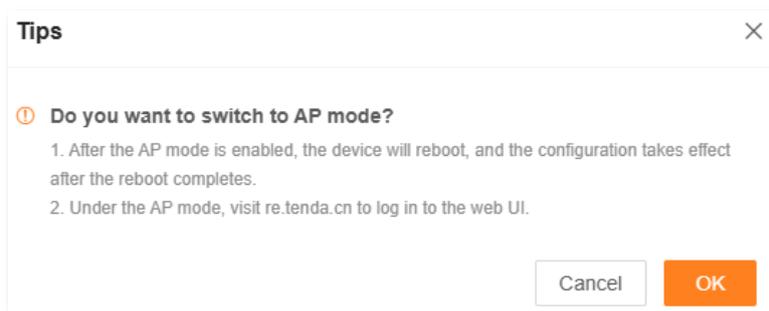
| | Wireless Extension | AP Mode |
|----------------|--|---|
| Extension Mode | The extender connects to the upstream router via Wi-Fi and extends the router's Wi-Fi coverage range. | The extender connects to the upstream router via an Ethernet cable and converts the router's wired network to Wi-Fi. |
| Scenario | Rooms requiring Wi-Fi coverage without Ethernet cables deployed. | Rooms requiring Wi-Fi coverage with Ethernet cables deployed. |
| Features | <ol style="list-style-type: none">1. For optimal performance, it is recommended to extend a 5G Wi-Fi network.2. After successful wireless extension, the dead zone will be covered by Wi-Fi, and the Ethernet port can provide wired access for devices like set-top boxes, PCs, and TVs. | After successful wired extension (AP Mode), high-speed and stable Wi-Fi access can be provided for wireless devices like smartphones, tablets, and smart devices. |

3.2.1 Switch the extender from extender mode to AP mode

1. [Log in to the web UI of the extender.](#)
2. Navigate to **Working Mode**.
3. Click **Switch Mode** to the right of **AP Mode**.



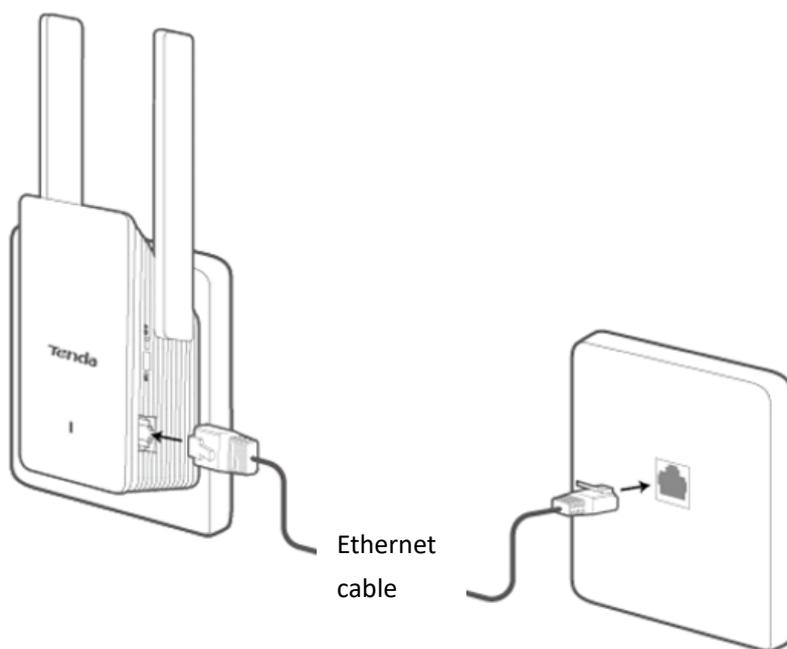
4. Confirm the prompt message and click **OK**. The system will reboot to take effect the configuration.



5. Use an Ethernet cable to connect the Ethernet port of the extender to the LAN port of the upstream device.

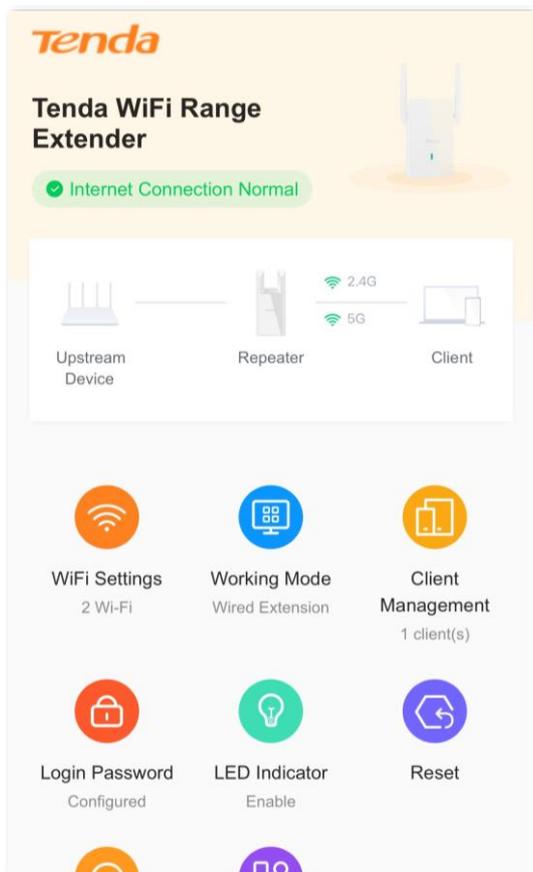


If the deployed Ethernet cable is for wiring in the wall, prepare the Ethernet cable by yourself.



---End

You can [log in to the web UI of the extender](#) again through wireless device (such as a smartphone) to check whether the extender has connected to the upstream device. The following figure is for reference only.



After the configuration is completed, the smartphone and other wireless clients connected to the Wi-Fi network of the extender can access the internet. If you did not set a password, to ensure network security, you are recommended to set a password on the [Wi-Fi settings](#) page.



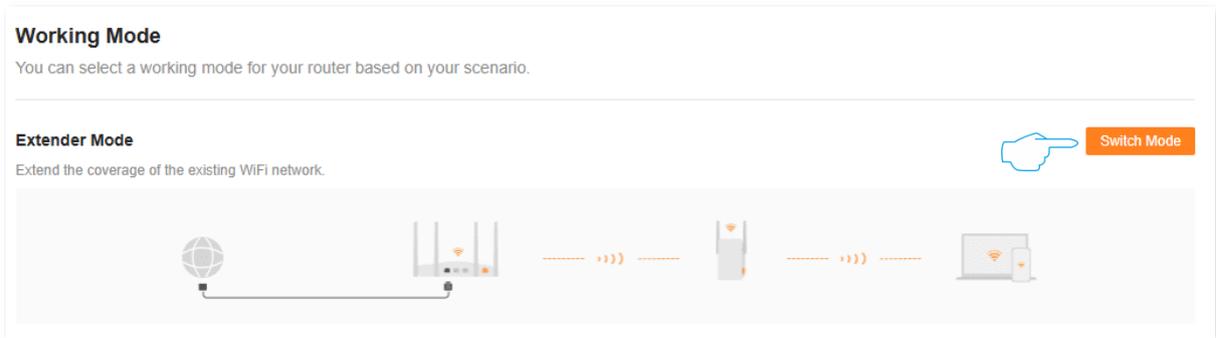
TIP

If your smartphone and other wireless client cannot access the internet, try the following solutions:

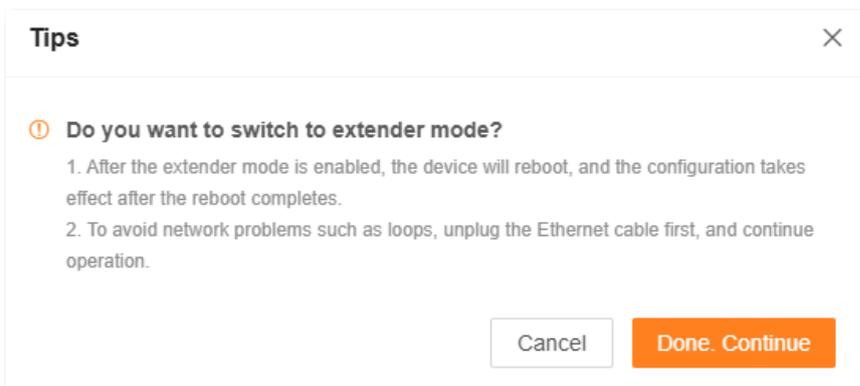
- Ensure that the upstream device is connected to internet properly.
 - Ensure that you have been connected to the right Wi-Fi name.
-

3.2.2 Switch the extender from AP mode to extender mode

1. Remove the Ethernet cable (if any) connecting the extender with the upstream device.
2. [Log in to the web UI of the extender.](#)
3. Navigate to **Working Mode**.
4. Click **Switch Mode** to the right of **Extender Mode**.

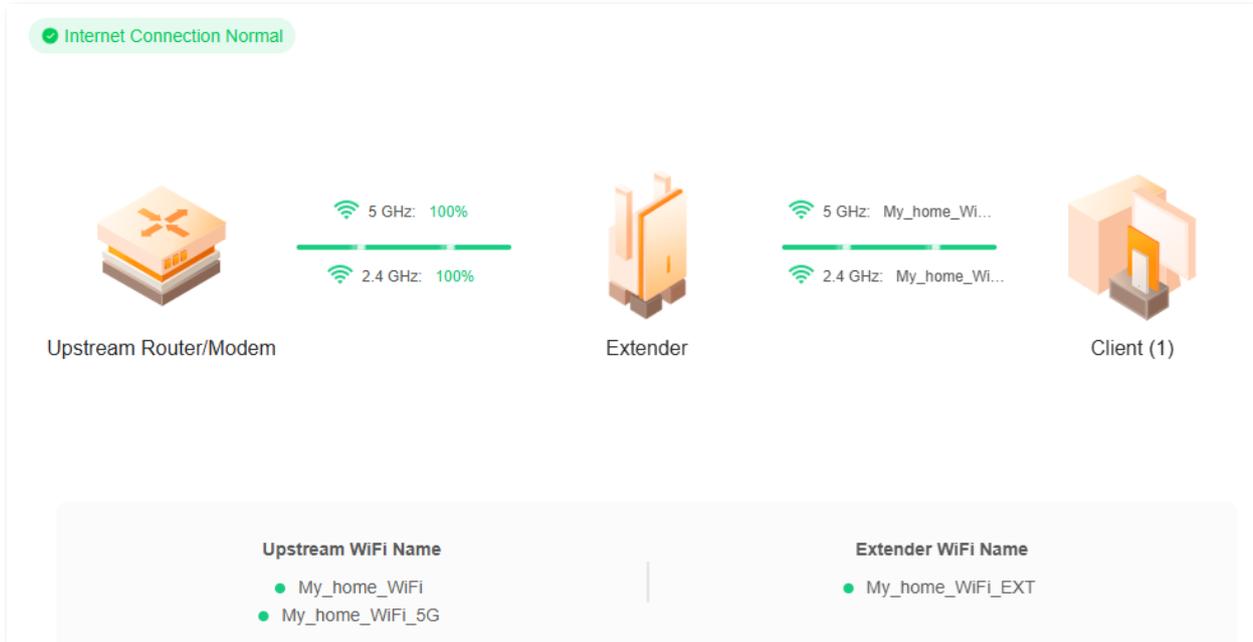


5. Confirm the prompt message, and click **Done. Continue**. The system will reboot to take effect the configuration.



---End

After switching to the wireless extension mode, you can [log in to the web UI of the extender](#) again, and check whether the network has extended successfully on the **Network Status** page. If the Wi-Fi network of the upstream device is not extended successfully, access the **Re-extend** page to re-extend the network. Refer to [Re-extend](#) for details.



If the configuration succeeds, the computer connected to the Ethernet port of the extender, smartphone and other wireless clients connected to the Wi-Fi network of the extender can access the internet. If you did not set a password, to ensure network security, you are recommended to set a password on the [Wi-Fi settings](#) page.



If you fail to access the internet, try the following solutions:

- Ensure that the upstream device is connected to internet properly.
- If you use a Wi-Fi-enabled device to connect to the Wi-Fi network of the extender, ensure that you have been connected to the correct network.
- If you use an Ethernet cable to connect the computer to the extender, ensure that the computer is connected to the extender securely and that your computer/laptop has been set to [Obtain an IP address automatically](#) and [Obtain DNS server address automatically](#).

4 Wi-Fi settings

4.1 Overview

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **WiFi Settings**.

On this page, you can set basic Wi-Fi parameters, including enabling/disabling Unify 2.4 GHz & 5 GHz function, changing the extender's Wi-Fi name and password and hiding the Wi-Fi network.

WiFi Settings

Unify 2.4 GHz & 5 GHz

The 2.4 GHz WiFi network and 5 GHz WiFi network share the same WiFi name and WiFi password, so clients can automatically connect to the best WiFi network.

2.4 GHz WiFi

WiFi Name

Hide (Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)

Security

WiFi Password ⓘ

5 GHz WiFi

WiFi Name

Hide (Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)

Security

WiFi Password ⓘ

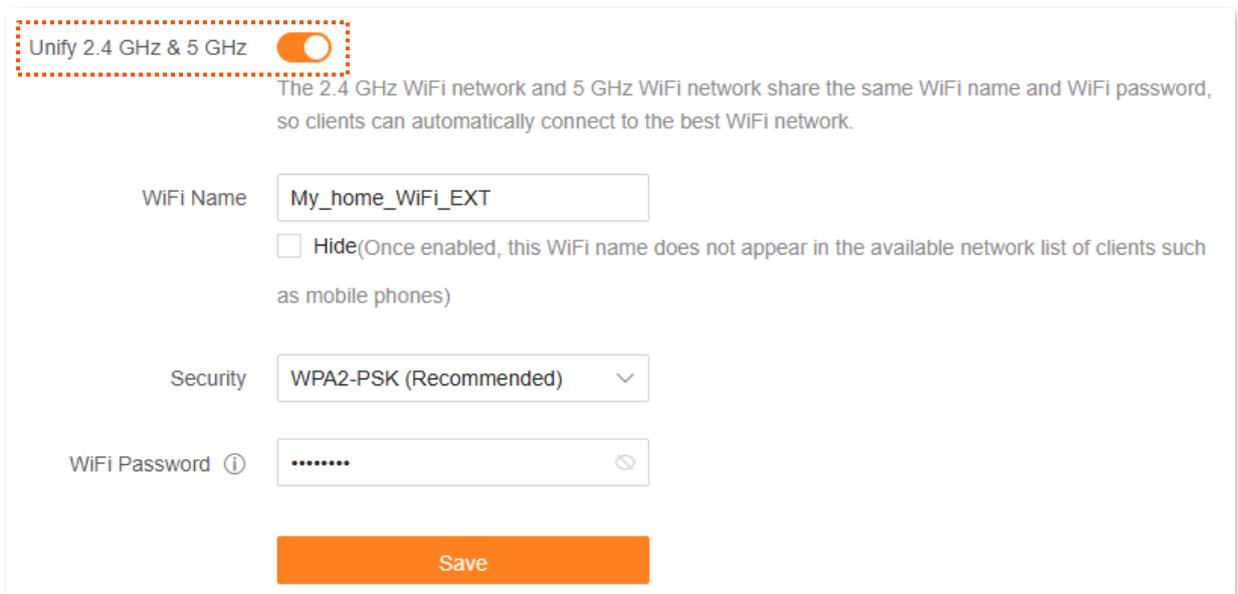
Parameter description

| Parameter | Description |
|-----------------------|--|
| Unify 2.4 GHz & 5 GHz | <p>Used to enable or disable the Unify 2.4 GHz & 5 GHz function.</p> <p>With this function enabled, the 2.4 GHz and 5 GHz networks of the extender are unified under one Wi-Fi name and password. You can see only one Wi-Fi network, and your network devices will automatically connect to the Wi-Fi with stronger signal strength when connecting to the Wi-Fi network of the extender.</p> |
| 2.4 GHz WiFi | <p>These two parameters appear only when the Unify 2.4 GHz & 5 GHz function is disabled.</p> <ul style="list-style-type: none">- If your devices are far away from the extender or separated from the extender by walls, you are recommended to connect your devices to the 2.4 GHz Wi-Fi. |
| 5 GHz WiFi | <ul style="list-style-type: none">- If your devices are close to the extender, you are recommended to connect your devices to the 5 GHz Wi-Fi. |
| WiFi name | <p>Specifies the wireless network name of the extender.</p> |
| Hide | <p>With this function enabled, no Wi-Fi-enabled device can find the corresponding Wi-Fi name, and you need to manually enter the Wi-Fi name on the Wi-Fi-enabled device to access the wireless network.</p> <p>By default, this function is disabled.</p> |
| Security | <p>You can refer to the following description to select a proper security mode.</p> <ul style="list-style-type: none">- Not encrypted: The extender does not encrypt its wireless network. This option is not recommended because it affects network security.- WPA2-PSK (Recommended): The wireless network is encrypted with WPA2-PSK which adopts a pre-shared key for authentication. Therefore, wireless networks encrypted with WPA2-PSK are safer than those encrypted with WPA-PSK. |
| WiFi Password | <p>Specifies the password used for wireless network connection.</p> <p> TIP</p> <p>Wi-Fi password: 8-63 characters. The longer the password, the higher the security.</p> |

4.2 Unify 2.4 GHz and 5 GHz

The extender supports both 2.4 GHz Wi-Fi and 5 GHz Wi-Fi. If you want to unify the wireless network in the two frequency bands, you can operate as follows:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **WiFi Settings**.
3. Enable the **Unify 2.4 GHz & 5 GHz** function.
4. Set **WiFi Name**, **Security** and **WiFi password** for the wireless network as required.
5. Click **Save**.



The screenshot shows the WiFi Settings page. At the top, there is a toggle switch labeled "Unify 2.4 GHz & 5 GHz" which is turned on. Below this, a text box explains: "The 2.4 GHz WiFi network and 5 GHz WiFi network share the same WiFi name and WiFi password, so clients can automatically connect to the best WiFi network." The "WiFi Name" field contains "My_home_WiFi_EXT". There is a checkbox for "Hide" with the text "(Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)". The "Security" dropdown menu is set to "WPA2-PSK (Recommended)". The "WiFi Password" field is masked with dots. At the bottom, there is an orange "Save" button.

---End

After the configuration completes, 2.4 GHz Wi-Fi and 5 GHz Wi-Fi are unified, and you can see only one Wi-Fi name. When the clients connect to the extender Wi-Fi, it will automatically connect to the Wi-Fi with better network quality.

4.3 Separate 2.4 GHz and 5 GHz

The extender supports both 2.4 GHz Wi-Fi and 5 GHz Wi-Fi. If you want to separate the wireless network into two frequency bands, you can operate as follows:

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **WiFi Settings**.
3. Disable the **Unify 2.4 GHz & 5 GHz** function.
4. Set **WiFi Name**, **Security** and **WiFi password** for 2.4 GHz Wi-Fi and 5 GHz Wi-Fi, respectively.
5. Click **Save**.

WiFi Settings

Unify 2.4 GHz & 5 GHz

The 2.4 GHz WiFi network and 5 GHz WiFi network share the same WiFi name and WiFi password, so clients can automatically connect to the best WiFi network.

2.4 GHz WiFi

WiFi Name

Hide (Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)

Security

WiFi Password

5 GHz WiFi

WiFi Name

Hide (Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)

Security

WiFi Password

Save

---End

After the configuration completes, 2.4 GHz Wi-Fi and 5 GHz Wi-Fi are separated, and you can see two different Wi-Fi names. You can access the internet by connecting a Wi-Fi-enabled device such as a smartphone to any Wi-Fi network.

4.4 Change Wi-Fi name and password

The extender supports both 2.4 GHz Wi-Fi and 5 GHz Wi-Fi.

Suppose that you want to severally change the Wi-Fi names and passwords of 2.4 GHz Wi-Fi and 5 GHz Wi-Fi as follows:

2.4 GHz Wi-Fi:

- Wi-Fi name: Alice_2.4 GHz
- Wi-Fi password: UmXmL9UK

5 GHz Wi-Fi:

- Wi-Fi name: Alice_5 GHz
- Wi-Fi password: CetTLb8T

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **WiFi Settings**, and disable the **Unify 2.4 GHz & 5 GHz** function.
3. Change the wireless network parameters of 2.4 GHz Wi-Fi.
 1. Change the Wi-Fi name under 2.4 GHz Wi-Fi, which is **Alice_2.4 GHz** in this example.
 2. Select **Security** mode under 2.4 GHz Wi-Fi to **WPA2-PSK (Recommended)**.
 3. Change the Wi-Fi password under 2.4 GHz Wi-Fi, which is **UmXmL9UK** in this example.
4. Change the wireless network parameters of 5 GHz Wi-Fi.
 1. Change the Wi-Fi name under 5 GHz Wi-Fi, which is **Alice_5 GHz** in this example.
 2. Select **Security** mode under 5 GHz Wi-Fi to **WPA2-PSK (Recommended)**.
 3. Change the Wi-Fi password under 5 GHz Wi-Fi, which is **CetTLb8T** in this example.

5. Click **Save**.

Unity 2.4 GHz & 5 GHz

The 2.4 GHz WiFi network and 5 GHz WiFi network share the same WiFi name and WiFi password, so clients can automatically connect to the best WiFi network.

2.4 GHz WiFi

WiFi Name

Hide (Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)

Security

WiFi Password

5 GHz WiFi

WiFi Name

Hide (Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)

Security

WiFi Password

---End

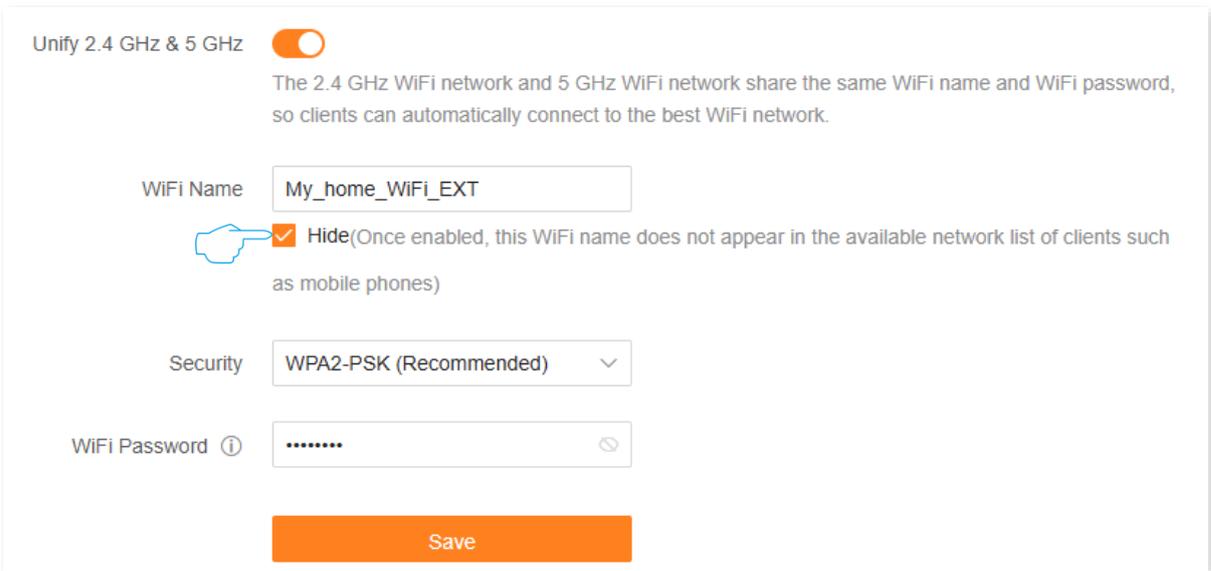
After the configuration completes, you need to connect your Wi-Fi-enabled devices such as a smartphone to the new Wi-Fi for internet access.

4.5 Hide the Wi-Fi networks

The extender supports hiding its Wi-Fi network, so that Wi-Fi-enabled devices cannot find it, thus improving the security of its Wi-Fi network.

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **WiFi Settings**.
3. Tick **Hide** under the input box after **WiFi Name**.
4. Click **Save**.



The screenshot shows the WiFi Settings configuration page. At the top, there is a toggle for 'Unify 2.4 GHz & 5 GHz' which is turned on. Below this, a text box explains that the 2.4 GHz and 5 GHz networks share the same name and password. The 'WiFi Name' field contains 'My_home_WiFi_EXT'. A blue hand icon points to the 'Hide' checkbox, which is checked. The text next to the checkbox states: 'Hide (Once enabled, this WiFi name does not appear in the available network list of clients such as mobile phones)'. The 'Security' dropdown menu is set to 'WPA2-PSK (Recommended)'. The 'WiFi Password' field is masked with dots. At the bottom, there is an orange 'Save' button.

---End

After the configuration completes, the extender Wi-Fi name will be hidden. If your device wants to connect to the wireless network of the extender, you need to manually enter the correct Wi-Fi name to connect.

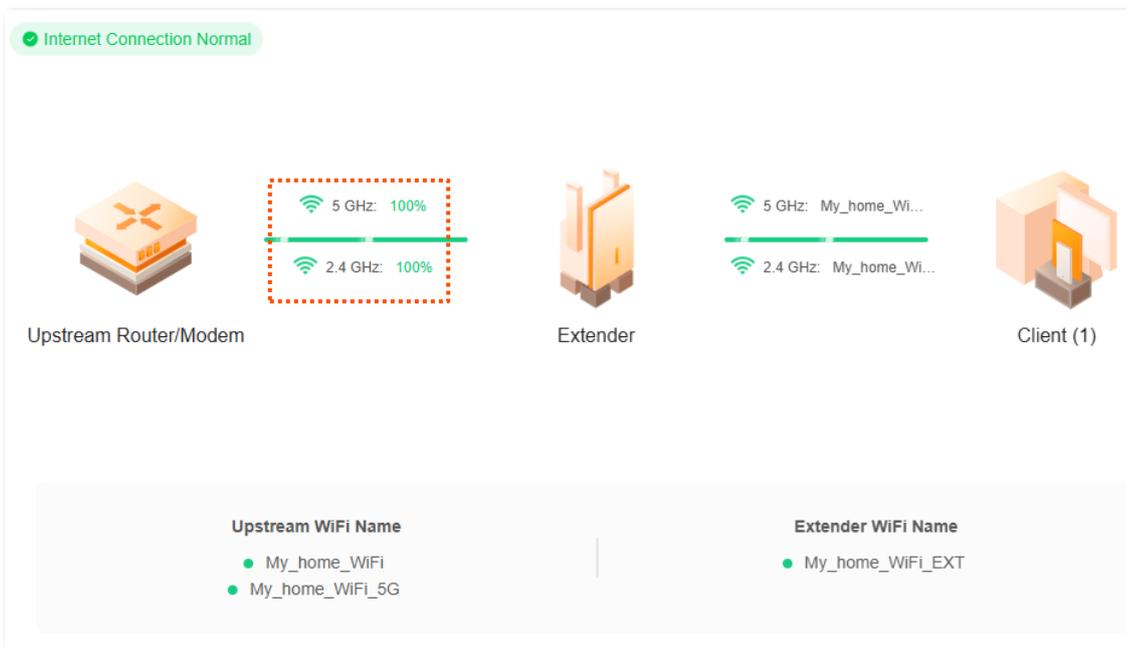
5 Network status

5.1 View the network extension status

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **Network Status**.

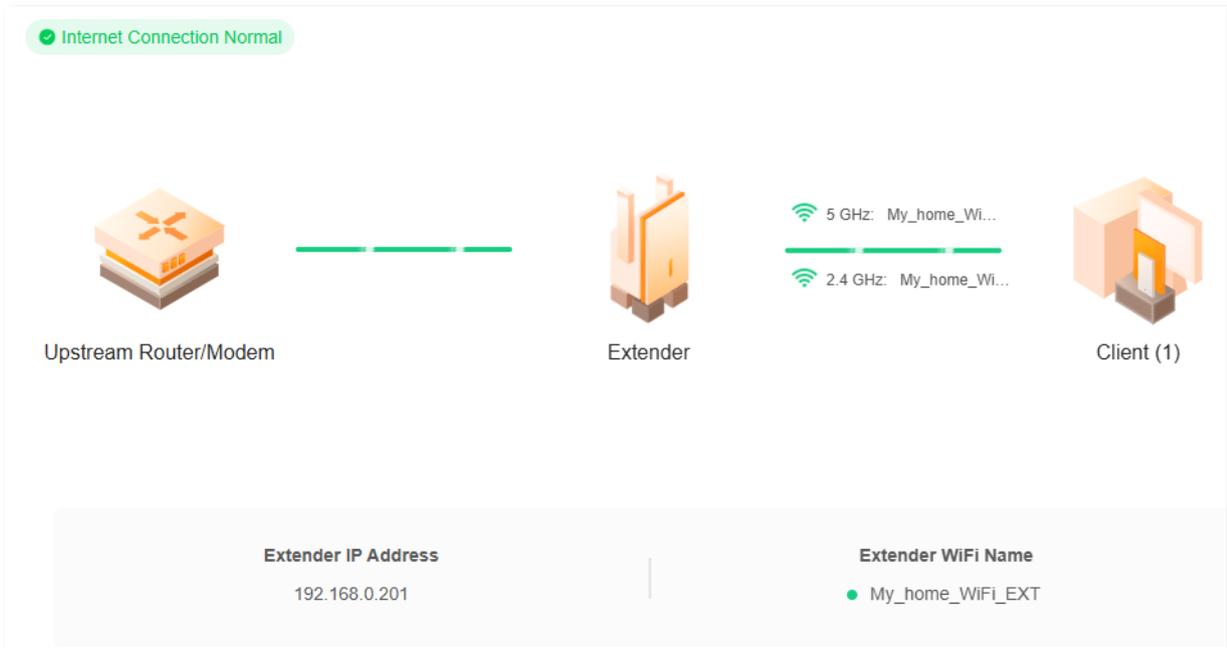
5.1.1 Extend successfully

In the wireless extension mode, if you see the upstream Wi-Fi signal strength between the **Upstream Router/Modem** and the **Extender**, it means that the extender has extended the Wi-Fi network of the upstream device. You can connect your network devices to the Wi-Fi network or Ethernet port (with an Ethernet cable) of the extender to access the internet. The following figure is for reference only.



In the AP mode, if you see the normal connection between the **Upstream Router/Modem** and the **Extender**, it means that the extender has been connected to the upstream device with an

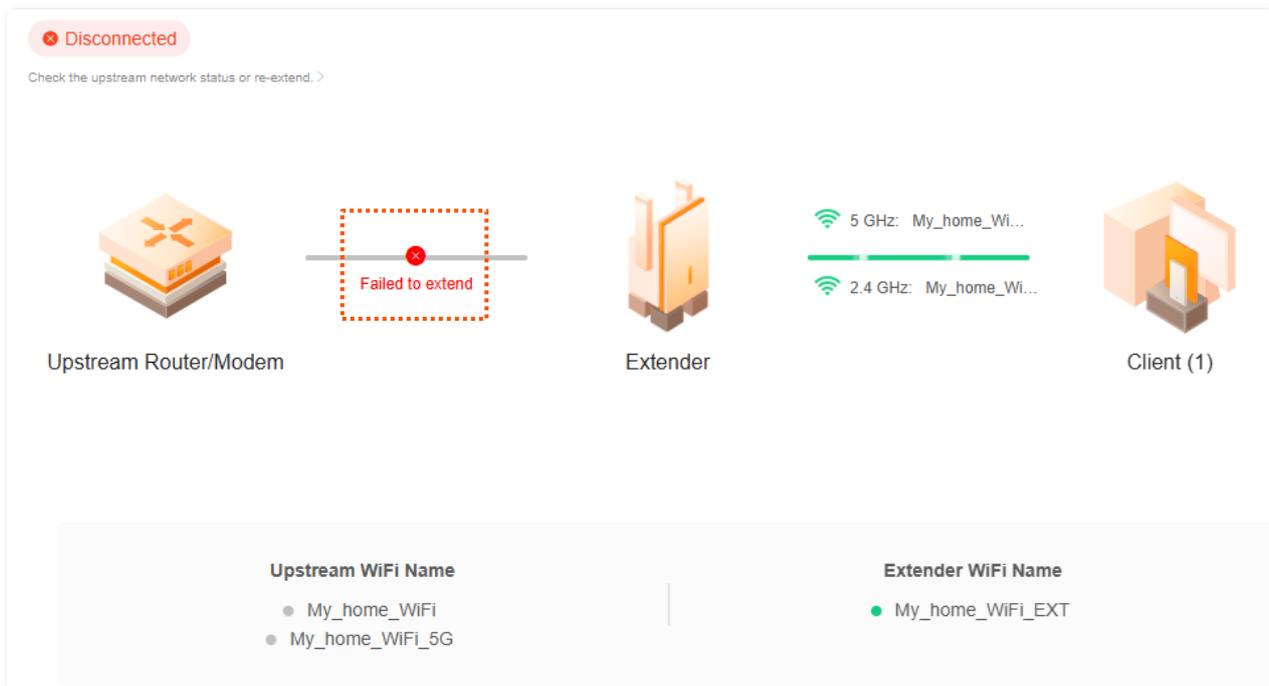
Ethernet cable. You can connect your network devices to the Wi-Fi network of the extender to access the internet. The following figure is for reference only.



5.1.2 Failed to extend

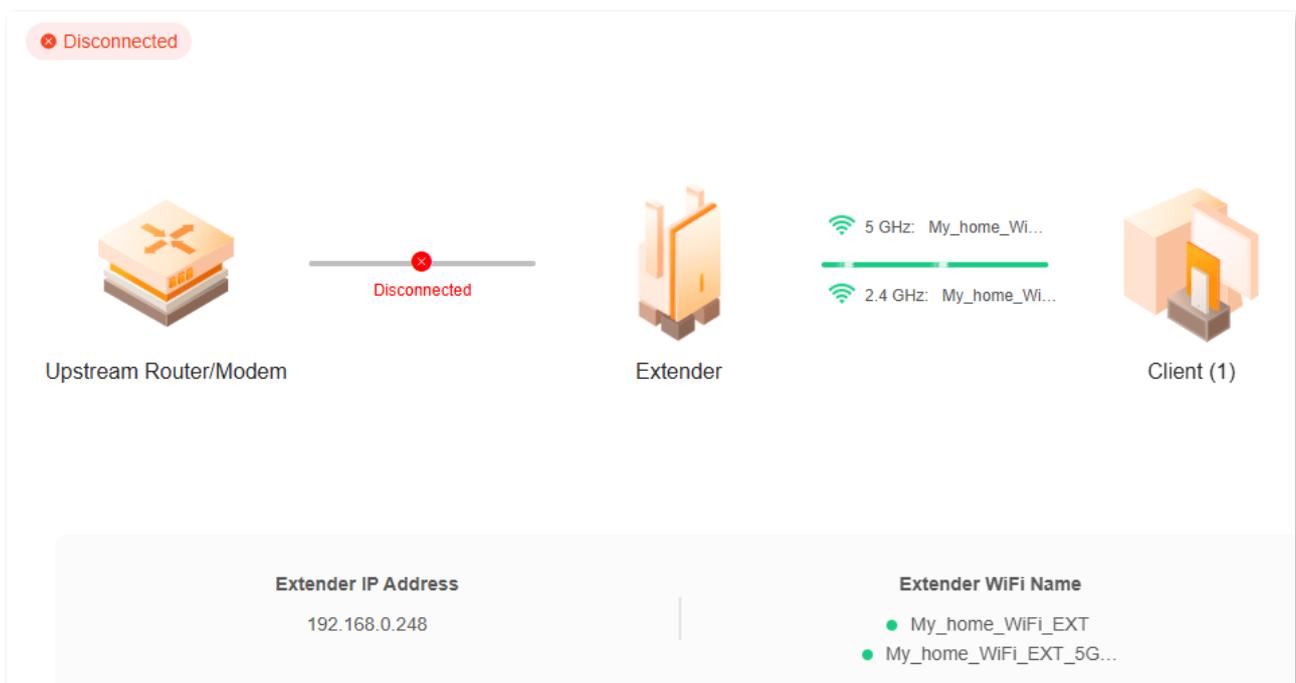
In the wireless extension mode, if you see **Failed to extend** between **Upstream Router/Modem** and the **Extender** it means that the extender failed to extend the Wi-Fi network of the upstream device. The following figure is for reference only.

You are recommended to access the **Re-extend** page to re-extend the Wi-Fi network. Refer to [Re-extend](#) for details.



In AP mode, if you see **Disconnected** between **Upstream Router/Modem** and the **Extender**, it means that the extender is not properly connected to the upstream device. The following figure is for reference only.

Check the Ethernet cable between the extender and the upstream device, ensure that the Ethernet cable is connected to the LAN port of the upstream device and the Ethernet port of the extender properly.

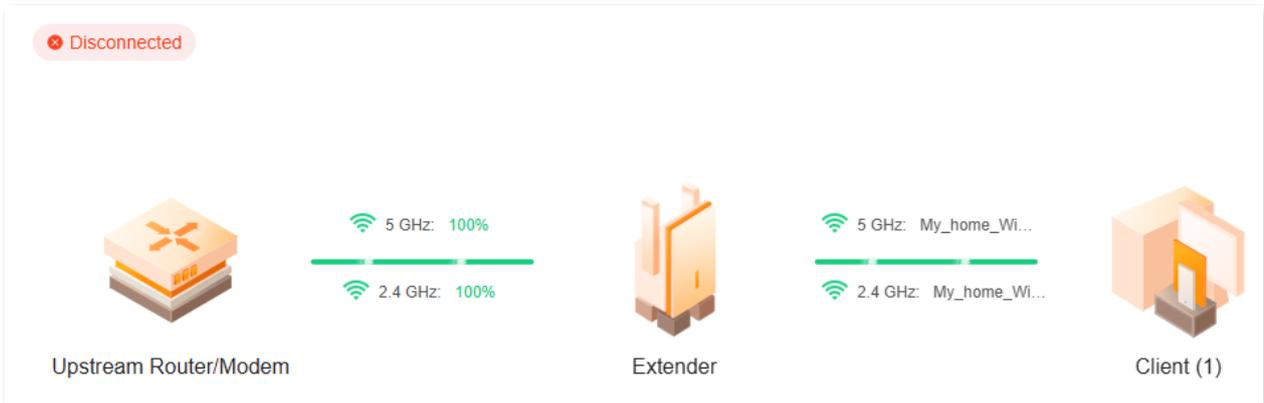


5.2 View network status of the extender

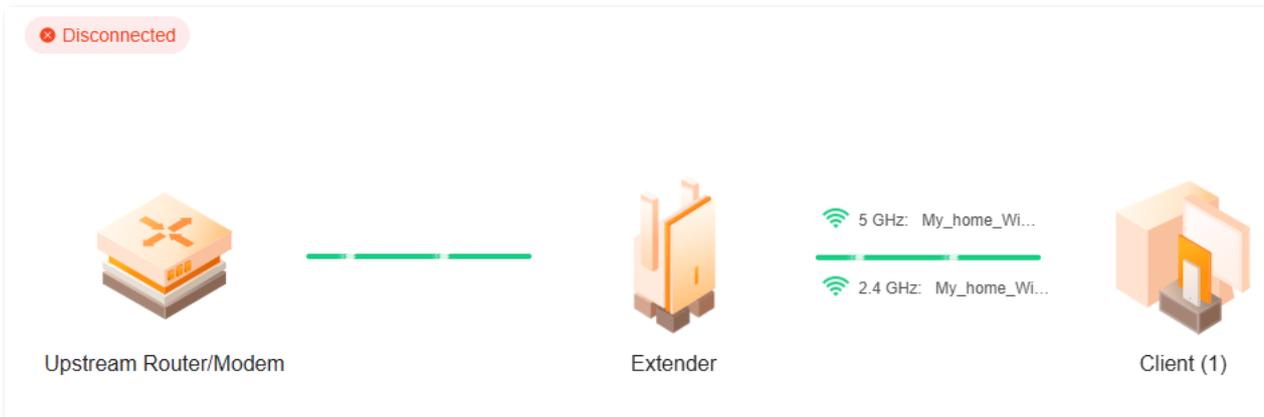
To access the configuration page, [log in to the web UI of the extender](#), and navigate to **Network Status**.

If you see **Disconnected** in the upper left corner, it means that the upstream device is disconnected from the internet, and the extender fails to access the internet. You are recommended to check the network status of the upstream device.

The wireless extension connection failed as shown below.



The AP mode connection failed as shown below.



5.3 View the number of Wi-Fi clients in the network

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **Network Status**.

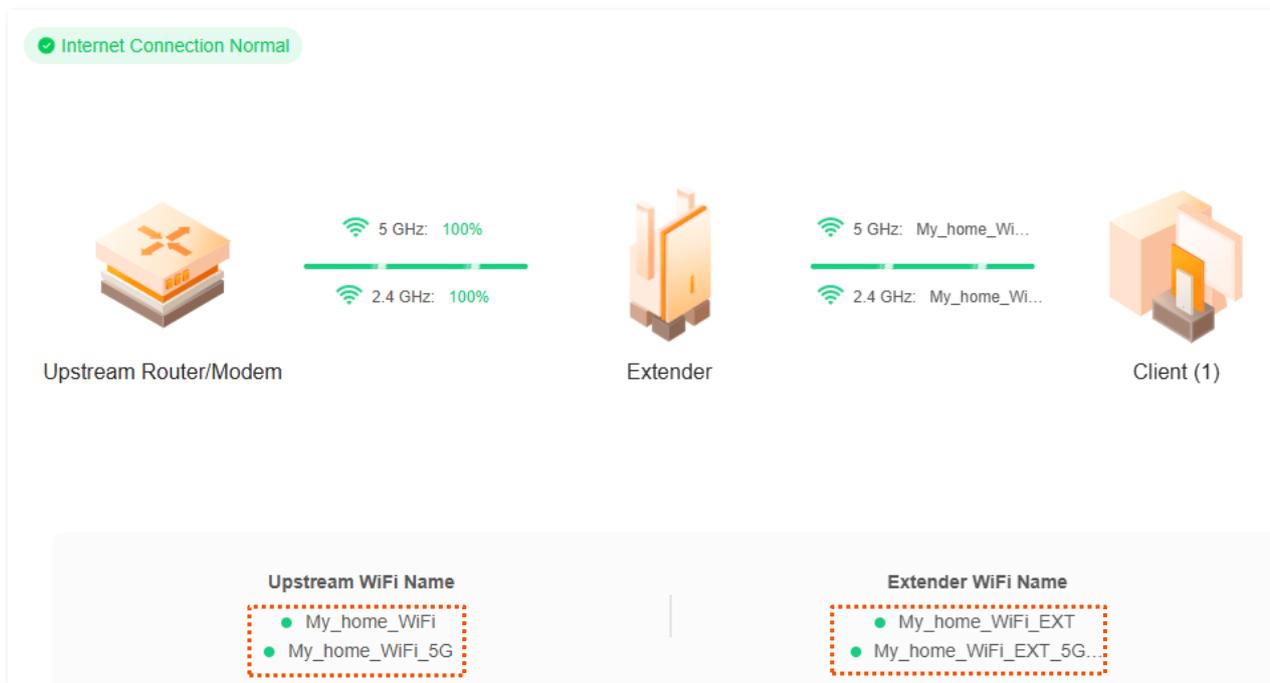
On this page, you can view the number of existing Wi-Fi clients connected to the Wi-Fi network of the extender. Click clients icon to enter the [Client management](#) page to perform more configurations.



5.4 View the Wi-Fi name of the extender

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **Network Status**.

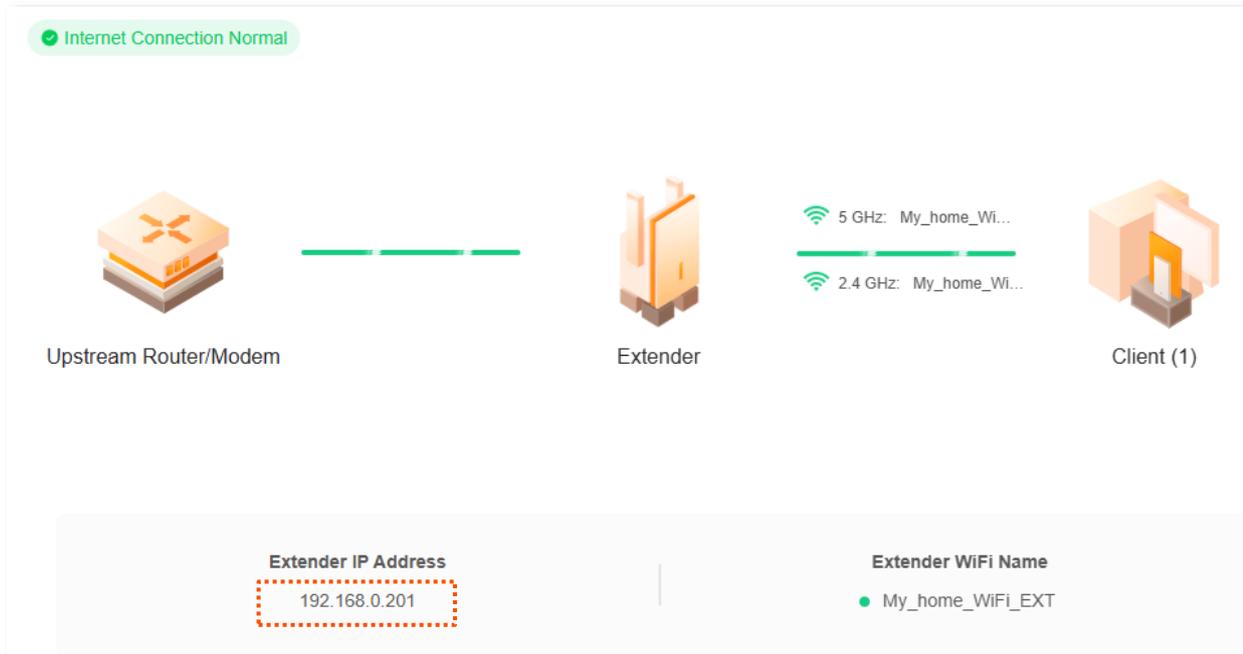
On this page, you can view the Wi-Fi name of the extender and the upstream device (wireless extension mode). Refer to [Wi-Fi settings](#) for more details.



5.5 View the IP address of the extender

In wireless extension mode, the extender obtains the IP address from the upstream DHCP, which you can view by logging in to the upstream DHCP client list.

In AP mode, to access the configuration page, [log in to the web UI of the extender](#), and navigate to **Network Status** to view the IP address of the extender. The following figure is for reference only.



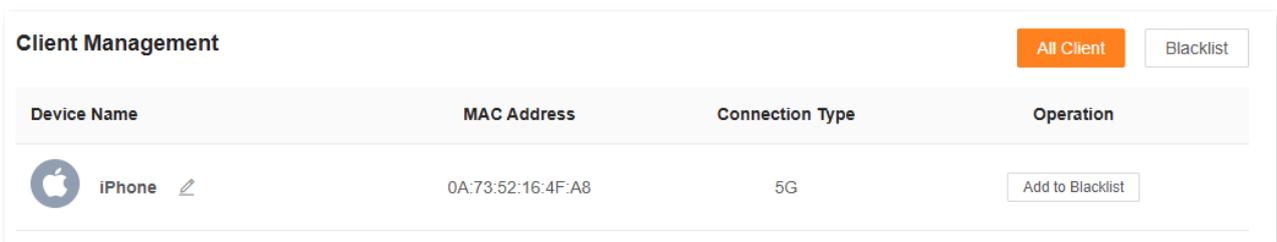
6 Client management

6.1 Overview

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **Client Management**.

On this page, you can view the online clients of the extender, view the blacklist, and add a client to the blacklist or remove a client from the blacklist.

After entering the **Client Management** page, you are led to all client module by default, which is shown below:

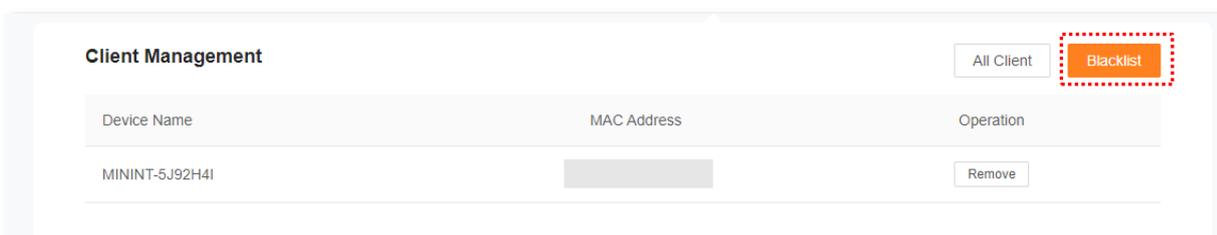


| Device Name | MAC Address | Connection Type | Operation |
|--|-------------------|-----------------|---|
|  iPhone  | 0A:73:52:16:4F:A8 | 5G | <input type="button" value="Add to Blacklist"/> |

Parameter description

| Parameter | Description |
|-------------|--|
| Device Name | Specifies the name of the client. You can customize the name of the client by clicking  . |

After entering the **Client Management** page, click **Blacklist**, then you can view all blacklisted devices.



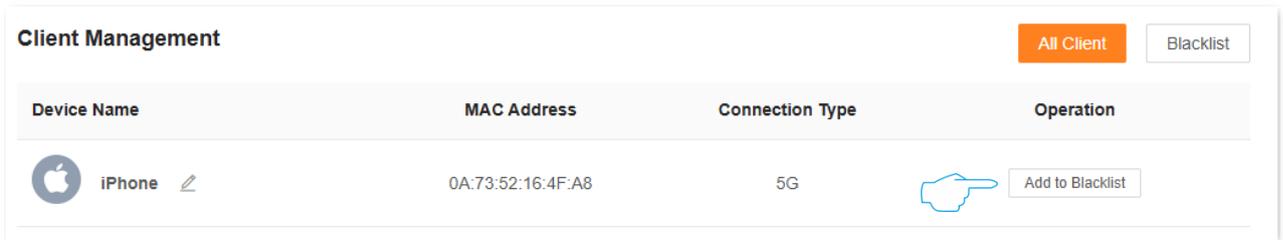
| Device Name | MAC Address | Operation |
|----------------|---|---------------------------------------|
| MININT-5J92H4I |  | <input type="button" value="Remove"/> |

6.2 Add a client to the blacklist

Clients added to the blacklist cannot connect to the extender for internet access.

Configuration procedure:

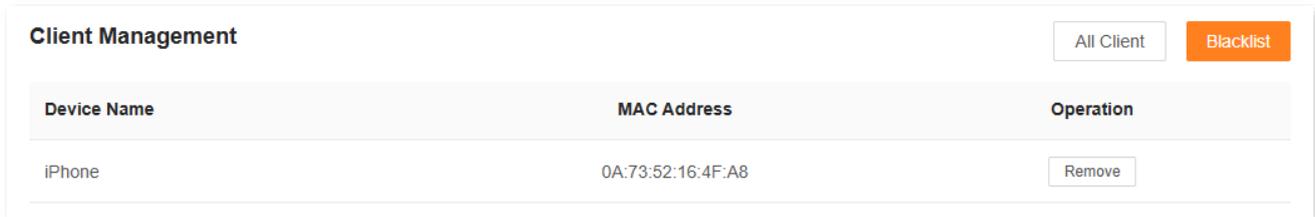
1. [log in to the web UI of the extender.](#)
2. Navigate to **Client Management**.
3. Find the client you want to blacklist, then click **Add to Blacklist**.



4. Confirm the prompt message and click **OK**.

---End

After the configuration completes, you can view the blacklisted devices by clicking **Blacklist** on the **Client Management** page.

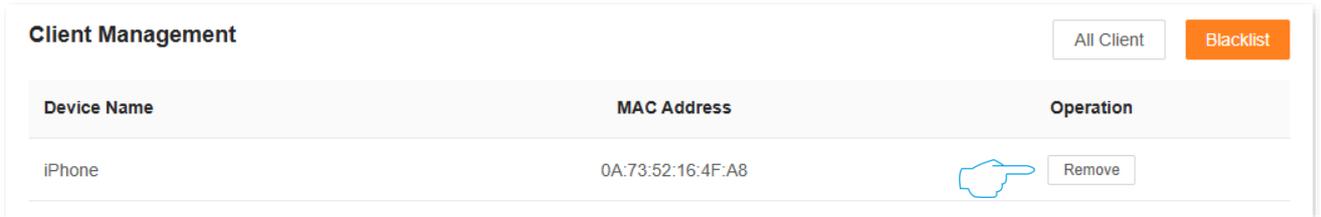


6.3 Remove a client from the blacklist

The clients that are removed from the blacklist can reconnect to extender Wi-Fi.

Configuration procedure:

1. [log in to the web UI of the extender.](#)
2. Navigate to **Client Management**, then click **Blacklist**.
3. Find the client you want to remove from the blacklist, then click **Remove**.



4. Confirm the prompt message and click **OK**.

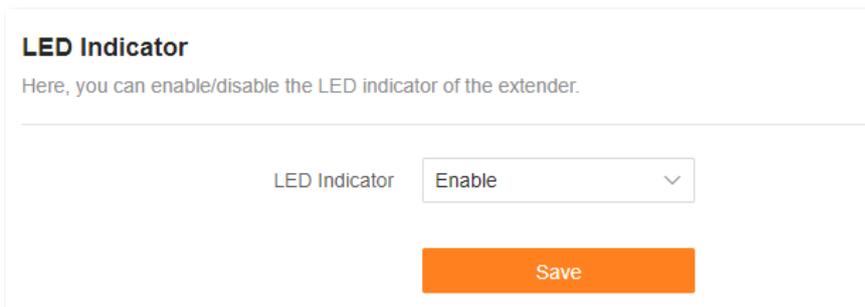
---End

7 More settings

7.1 Turn on or turn off the indicator

7.1.1 Turn on or turn off the indicator display

1. [Log in to the web UI of the extender](#), and navigate to **More > LED Indicator**.
2. Select **Enable** or **Disable** from the drop-down list of **LED Indicator**. The following figure takes **Enable** as an example.
3. Click **Save**.



LED Indicator

Here, you can enable/disable the LED indicator of the extender.

LED Indicator

Save

---End

7.1.2 Turn off the indicator as scheduled

Assume the indicator turns off daily from 22:00 to 07:00 (next day).



The effective time is based on the system time of the extender. Ensure that [the system time of the extender is accurate](#).

Configuration procedure:

1. [Log in to the web UI of the extender](#).
2. Navigate to **More > LED Indicator**.
3. Select **Schedule Disable** from the drop-down list of **LED Indicator**.
4. Set the period for turning off the indicator, which is **22:00-07:00** in this example.
5. Click **Save**.

LED Indicator
Here, you can enable/disable the LED indicator of the extender.

LED Indicator

Turn off at

---End

After the configuration completes, the indicator of the extender will turn off from 22:00 to 07:00 every day.

7.2 Modify channel and bandwidth

The channel and bandwidth settings are only supported in AP mode.

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **More > Channel & Bandwidth**.

You can modify advanced parameters of your Wi-Fi network, including network mode, channel, and bandwidth. Without professional guidance, it is recommended to keep the default settings to avoid degrading your Wi-Fi network performance.

Channel & Bandwidth

You can modify the advanced parameters of the WiFi network here, such as Network Mode, Channel, and Bandwidth. If no professional guidance is available, you are recommended to keep the default settings to prevent the performance from being weakened.

2.4 GHz WiFi

| | | |
|--------------|--|---|
| Network Mode | <input type="text" value="802.11b/g/n"/> | ▼ |
| Channel | <input type="text" value="Auto"/> | ▼ |
| | Current Channel: 11 | |
| Bandwidth | <input type="text" value="20/40 MHz"/> | ▼ |
| | Current Bandwidth: 20 | |

5 GHz WiFi

| | | |
|--------------|--|---|
| Network Mode | <input type="text" value="802.11a/n/ac/ax"/> | ▼ |
| Channel | <input type="text" value="Auto"/> | ▼ |
| | Current Channel: 36 | |
| Bandwidth | <input type="text" value="20/40/80 MHz"/> | ▼ |
| | Current Bandwidth: 80 | |

Parameter description

| Parameter | Description |
|--------------|--|
| Network Mode | <p>Specifies the wireless transmission standard used by the extender. The maximum wireless rate varies from different standard, and in general, it is recommended to keep the default setting. If you need to be compatible with some old devices, you can modify the corresponding network mode.</p> <p> TIP</p> <p>The maximum wireless transmission rate of the extender can be found on the Tenda official website (www.tendacn.com) for the parameter description of the corresponding product or the datasheet.</p> |
| Channel | <p>Specifies the wireless operating channel of the extender. The default is Auto, that is, the extender automatically detects each channel utilization and selects the appropriate working channel accordingly.</p> <p>If your Wi-Fi-enabled devices frequent drops, delays, or slow connections when connected to the extender wireless network, try modifying the extender's channel. You can use utility software, such as a Wi-Fi analyzer, to detect lesser-used, less intrusive channels in the neighborhood.</p> |
| Bandwidth | <p>Specifies the bandwidth of the extender wireless channel. Compared with the low bandwidth, the peak rate of wireless transmission is higher in the wider bandwidth, but the interference is also higher.</p> <p>In general, it is recommended to keep the default settings. If you want to change it, you can refer to the following instructions.</p> <ul style="list-style-type: none">– 20MHz: The extender uses a channel bandwidth of 20MHz.– 40MHz: The extender uses a channel bandwidth of 40MHz.– 80MHz: Only for 5 GHz networks, indicating that the extender uses a channel bandwidth of 80 MHz.– 20/40/80 MHz: Only for 5 GHz networks, indicating that the extender automatically adjusts the channel bandwidth to 20 MHz, 40 MHz or 80 MHz depending on the surrounding environment. |

7.3 Change the login password

You are required to set a login password the first time of using the extender. If you did not set it, you can set a new password on this page. You can also modify the login password of the extender on this page.

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **More > Login password.**
3. In the **Old Password** text box, enter the current login password of the extender.
4. In the **New Password** text box, set a new login password.
5. Click **Save.**

Login Password

Here, you can change the login password of the extender.

| | |
|--------------|--|
| Old Password | <input type="password" value="5 - 32 characters"/> |
| New Password | <input type="password" value="5 - 32 characters"/> |

---End

You will be directed to the login page. Enter the new login password, and click **Login**. Then, you can log in to the web UI of the extender.

7.4 Modify the system time

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **More > System Time**.

On this page, you can set the system time of the extender.

To ensure time-based functions of the extender can work normally, you need to ensure the accuracy of the system time of the extender. The extender supports two sync modes: [sync with internet time](#) (default) and [sync with local time](#).

System Time

Verify that the system time is correct to ensure that the Schedule Disable function takes effect normally. You are recommended to select Sync with internet time for Sync Mode.

System Time 2024-10-26 10:19:13

Sync Status Synced

Sync Mode

Time Zone

DST

Parameter description

| Parameter | Description |
|-------------|---|
| System Time | Specifies the current system time of the extender. |
| Sync Status | Specifies the sync status of the system time of the extender. |
| Sync Mode | Specifies the sync mode of the system time of the extender. <ul style="list-style-type: none">• Sync with internet time: System time is synced with the time server on the internet.• Sync with local time: System time is synced with the time of the client currently managing the extender. |
| Time Zone | Specifies the standard time zone at the current locality of the extender, and is specific to Sync with internet time . |

| Parameter | Description |
|------------|---|
| Local Time | Specifies the time of the client managing the extender, and is specific to Sync with local time . |
| DST | It is a time system implemented for resource conservation. The uniform time used when the system is implemented is Daylight Saving Time . If the extender is used in a country or area where DST is implemented, please enable DST. |

7.4.1 Sync system time with internet time

The system time is synced automatically with the time server on the internet. The extender can automatically sync its system time once it is connected to the internet, eliminating the need to reconfigure the function.

Configuration procedure:

1. [Log in to the web UI of the extender](#). Navigate to **More > System Time**.
2. Select **Sync with internet time** in the drop-down list of **Sync Mode**.
3. Click **Save**.

System Time

Verify that the system time is correct to ensure that the Schedule Disable function takes effect normally. You are recommended to select Sync with internet time for Sync Mode.

System Time 2024-10-26 10:21:43

Sync Status Synced

☞
 Sync Mode Sync with internet time ▼

Time Zone (GMT+08:00) Beijing, Chongqing, Hong Kong, Urur ▼

DST

Save

---End

After the configuration completes, you can check whether **System Time** on the page is synced correctly.

7.4.2 Sync system time with local time

The system time is synced with the time of the client managing the extender.

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **More > System Time**.
3. Select **Sync with local time** in the drop-down list of **Sync Mode**.
4. Click **Save**.

System Time

Verify that the system time is correct to ensure that the Schedule Disable function takes effect normally. You are recommended to select Sync with internet time for Sync Mode.

| | |
|-------------|---|
| System Time | 2024-10-26 10:21:08 |
| Sync Status | Synced |
| Sync Mode | <input type="text" value="Sync with local time"/> |
| Local Time | 2024-10-26 10:21:09 |
| DST | <input type="checkbox"/> |

---End

After the configuration completes, you can check whether **System Time** on the page is synced correctly.

7.4.3 Enable DST

If the extender is used in a country or area where DST is implemented, please enable DST.

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **More > System Time.**
3. Enable the **DST** function.
4. Set the start time and end time of DST.
5. Click **Save.**

System Time

Verify that the system time is correct to ensure that the Schedule Disable function takes effect normally. You are recommended to select Sync with internet time for Sync Mode.

System Time 2025-05-26 13:48:09

Sync Status Synced

Sync Mode Sync with internet time ▾

Time Zone (GMT+08:00) Beijing, Chongqing, Hong Kong, Urur ▾

 DST

Start 2025 Mar. ▾ 2nd ▾ Sun. ▾ 02:00 ▾

End 2025 Nov. ▾ 1st ▾ Sun. ▾ 02:00 ▾

Status DST not use

---End

After the configuration completes, the system time will adopt DST during the specified period, and you can check whether **System Time** on the page is synced correctly.

7.5 Reboot the extender

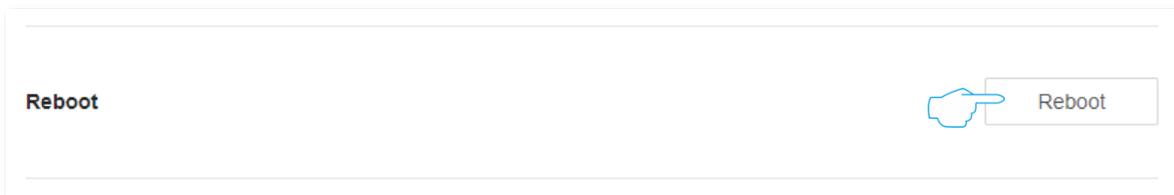
If a setting fails to take effect or the extender fails to work properly, you can try rebooting the extender.



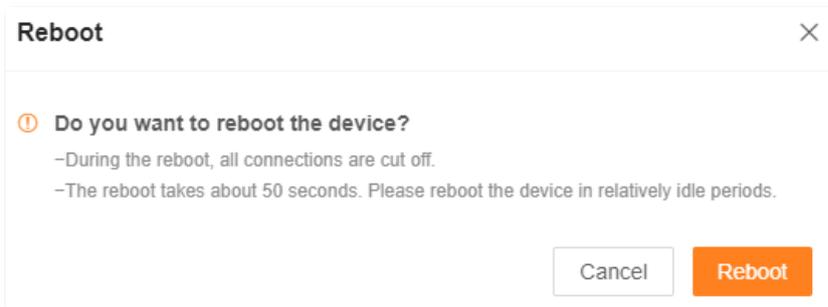
During the reboot, all connections will be cut off. Please reboot the extender when the network is idle.

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **More > System Settings > Maintenance**, then find **Reboot** module.
3. Click **Reboot**.



4. Confirm the prompt message and click **Reboot**. The system will reboot to effectuate the configuration.



---End

7.6 Reset the extender

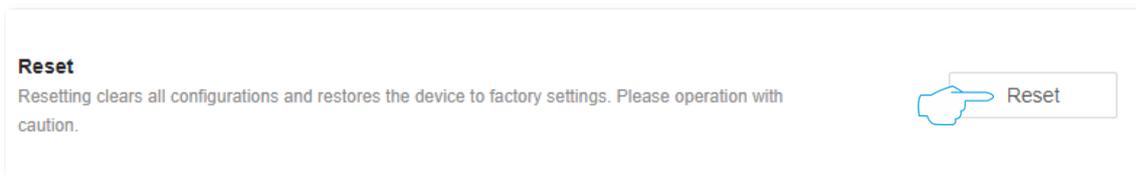
You are recommended to reset the extender to factory settings if you forget your login password, or you cannot locate the problem interrupting your extender's Wi-Fi network service.



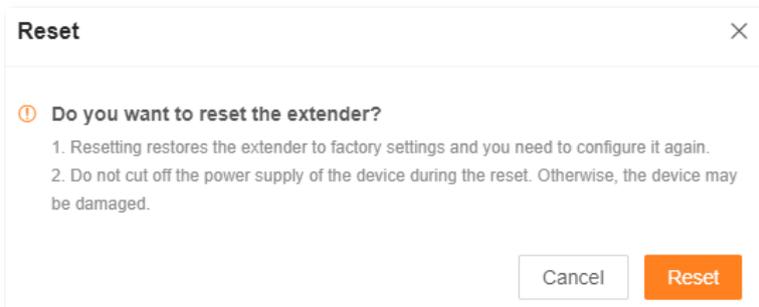
- After resetting, the extender will be reset to the factory settings, and you need to reconfigure the extender. You are not recommended to reset the extender, unless necessary.
- To avoid damage to the extender, ensure that your extender is powered on properly during resetting.

7.6.1 Reset the extender through web browser

1. [Log in to the web UI of the extender.](#)
2. Navigate to **More > System Settings > Maintenance**, then find **Reset** module.
3. Click **Reset**.



4. Confirm the prompt message, and click **Reset**.



---End

7.6.2 Reset the extender through reset button

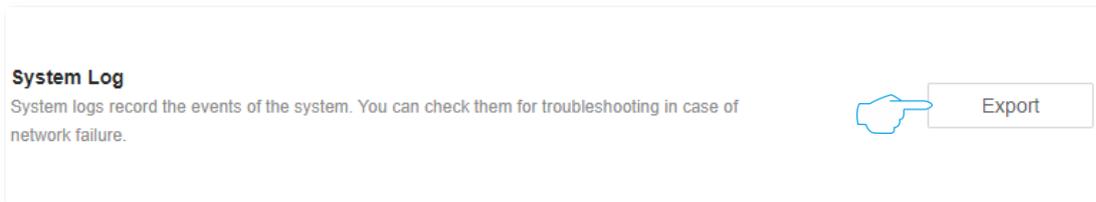
When the extender completes startup, press the **RESET** button for about 8 seconds until the indicator blinks yellow fast, the extender is reset.

7.7 Export system logs

System logs of the extender recorded all events that happened after the system starts up. In the event of a network failure, you can troubleshoot the problem using the information in the system logs of the extender.

Configuration procedure:

1. [Log in to the web UI of the extender.](#)
2. Navigate to **More > System Settings > Maintenance**, then find **System Log** module.
3. Click **Export**, then you can export the system logs of your extender to your computer.



---End

A file named **syslog.tar** will be downloaded to your computer through your browser.



- The extender will only record the events after the latest startup.
 - The extender will reboot after such operations as repowering after power-off, firmware upgrade, mode switching and resetting.
-

7.8 Upgrade firmware system

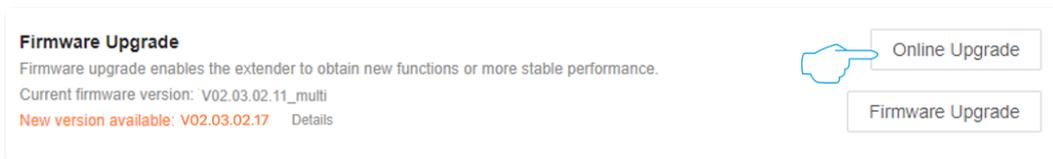
The extender gets new or more stable performance through firmware upgrade. The extender supports two firmware upgrade ways, **Local Upgrade** and **Online Upgrade**.

7.8.1 Online Upgrade



During the upgrade, do not power off the extender or disconnect it from the internet; otherwise, the upgrade may fail or the extender may be damaged.

1. [Log in to the web UI of the extender.](#)
2. Navigate to **More > System Settings > Maintenance**, then find **Firmware Upgrade** module.
3. When the system detects the new firmware version, click **Online Upgrade**. The following figure is for reference only.



4. Confirm the prompt message and click **Upgrade**.

---End

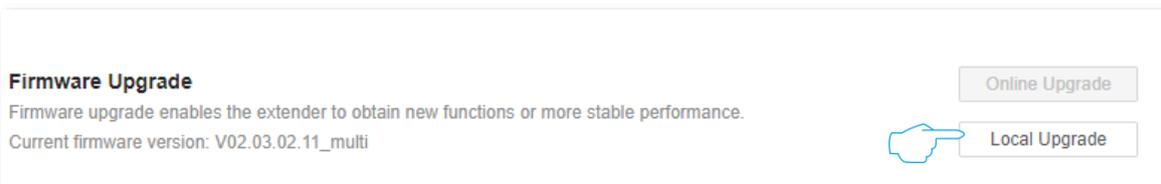
The upgrade progress prompt will appear on the page. After the upgrade is completed, log in to the web UI of the extender again, and check the **Current firmware version** in the **Firmware Upgrade** module, confirming that it is the same as the firmware version you just upgraded.

7.8.2 Local Upgrade

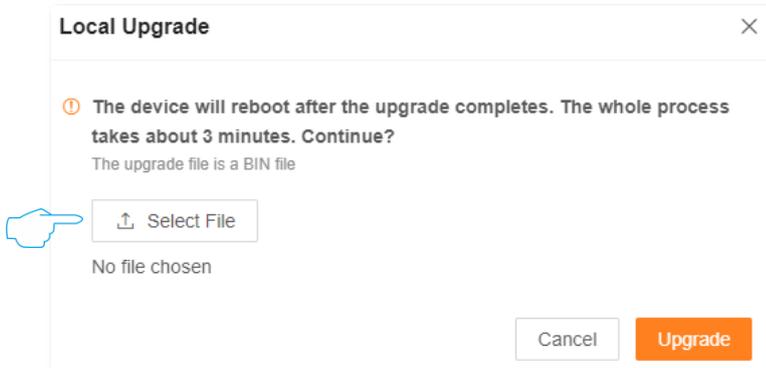


- To avoid damage to the extender, please use the correct upgrade file to upgrade. Generally, the file suffix of the firmware upgrade file is **.bin**.
- During the upgrade, do not power off the extender or disconnect it from the internet; otherwise, the upgrade may fail or the extender may be damaged.

1. Visit Tenda official website www.tendacn.com to download the latest upgrade file of the corresponding model extender, save it to your local computer and unzip it.
2. [Log in to the web UI of the extender.](#)
3. Navigate to **More > System Settings > Maintenance**, then find **Firmware Upgrade** module.
4. Click **Local Upgrade**. The following figure is for reference only.



5. Click **Select File**, select the upgrade file in the corresponding directory (the file suffix is **.bin**), and click **Upgrade**.



---End

The upgrade progress prompt will appear on the page. After the upgrade is complete, log in to the web UI of the extender again, and check the **Current firmware version** in the **Firmware Upgrade** module to confirm that it is the same as the firmware version you just upgraded.

7.9 Auto system maintenance

Auto system maintenance enables you to restart the extender regularly. It helps improve the stability and service life of the extender.

To access the configuration page, [log in to the web UI of the extender](#), and navigate to **More > Auto System Maintenance**.

Auto System Maintenance

Schedule automatic reboots on the extender. This helps extend the extender's lifespan and enhance system operation stability.

Auto System Maintenance

Reboot at  ⓘ The auto system maintenance time takes effect based on the system time

Delay Reboot

Delay the reboot if a client is connected and the traffic is higher than 3 KB/s

Parameter description

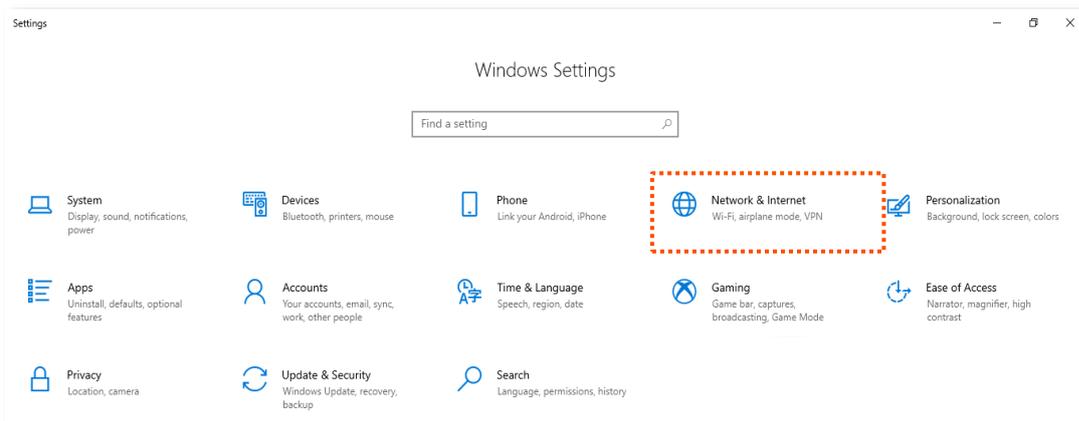
| Parameter | Description |
|-------------------------|---|
| Auto System Maintenance | Used to enable or disable the auto system maintenance function. |
| Reboot at | Specifies the time when the extender reboots automatically every day. |
| Delay Reboot | <p>Used to enable or disable the reboot delay function.</p> <ul style="list-style-type: none">- Ticked: The function is enabled. When the time for rebooting approaches, if there is any user connected to the extender and the traffic is higher than 3 KB/s, the extender will delay rebooting.- Unticked: The function is disabled. The extender reboots immediately when the specified time for rebooting approaches. <p> TIP</p> <p>After Delay Reboot function is enabled, the extender continuously detects traffic within 2 hours after reboot time, and reboots once the conditions are met.</p> |

Appendix

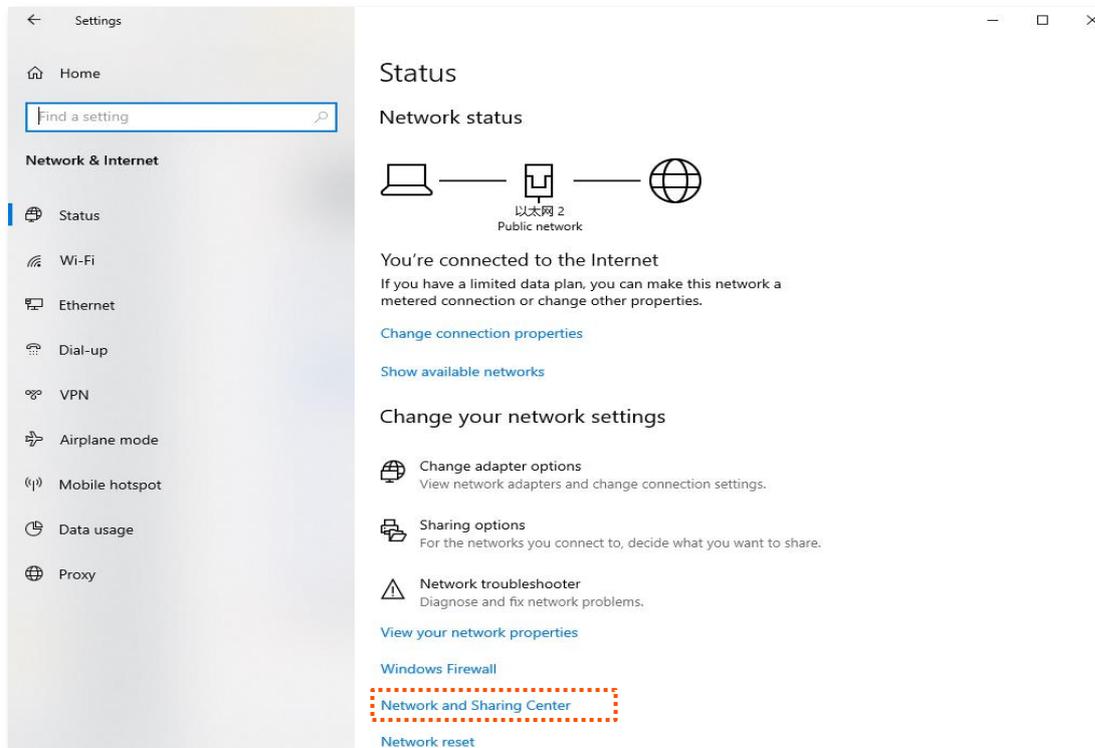
A.1 Set the computer IPv4 address

Here takes Windows 10 as an example for setting instructions.

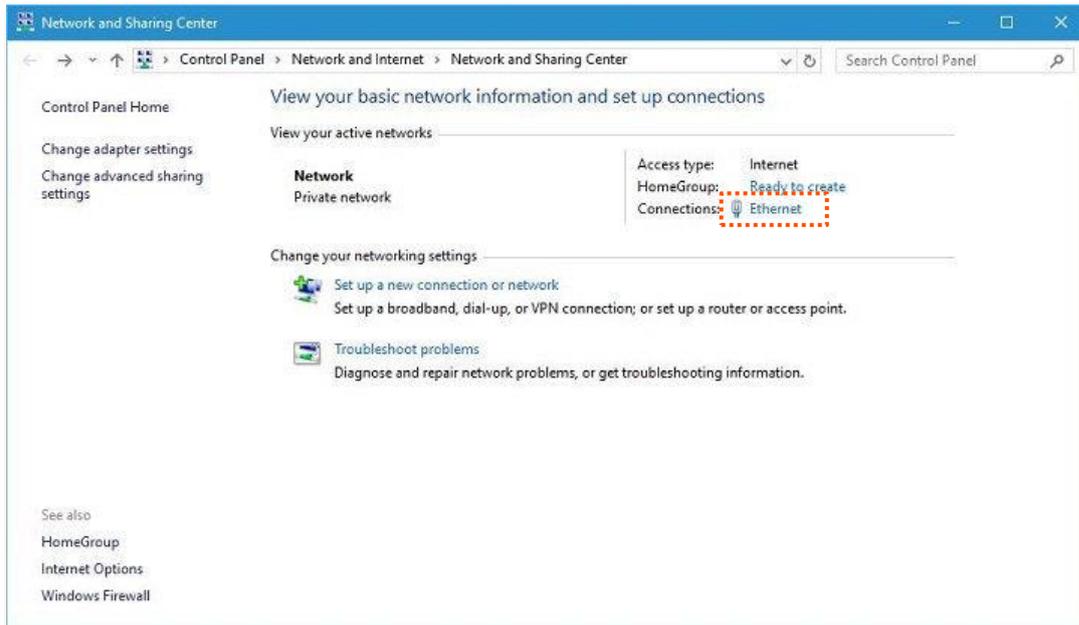
1. On the computer desktop, click **Start** , **Settings** , and choose **Network & Internet**.



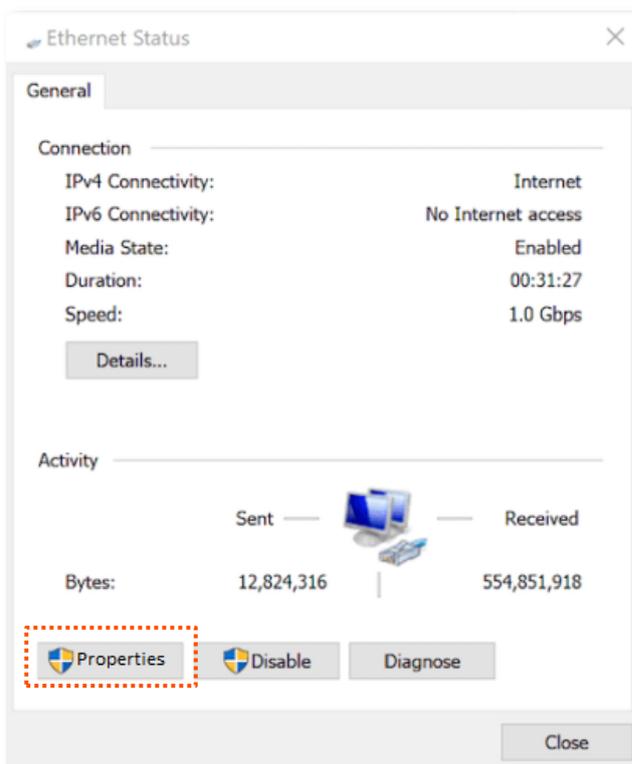
2. Click **Network and Sharing Center**.



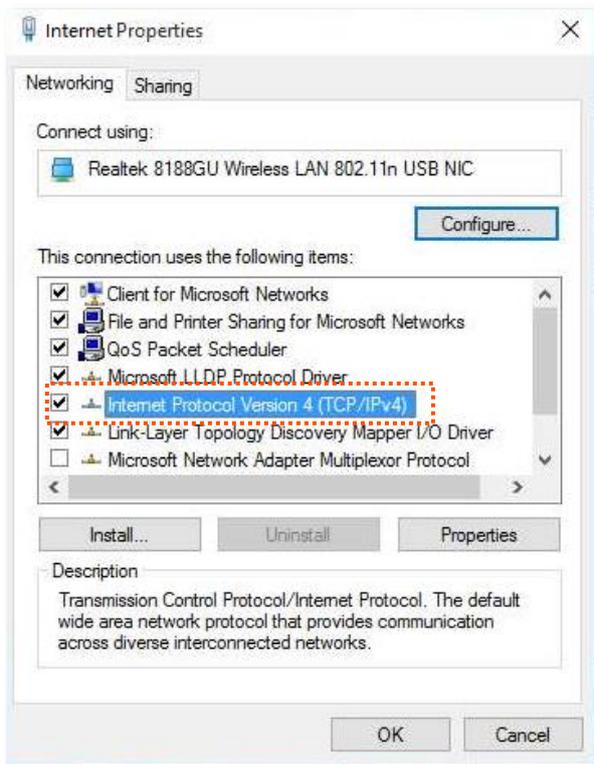
3. Click **Ethernet**.



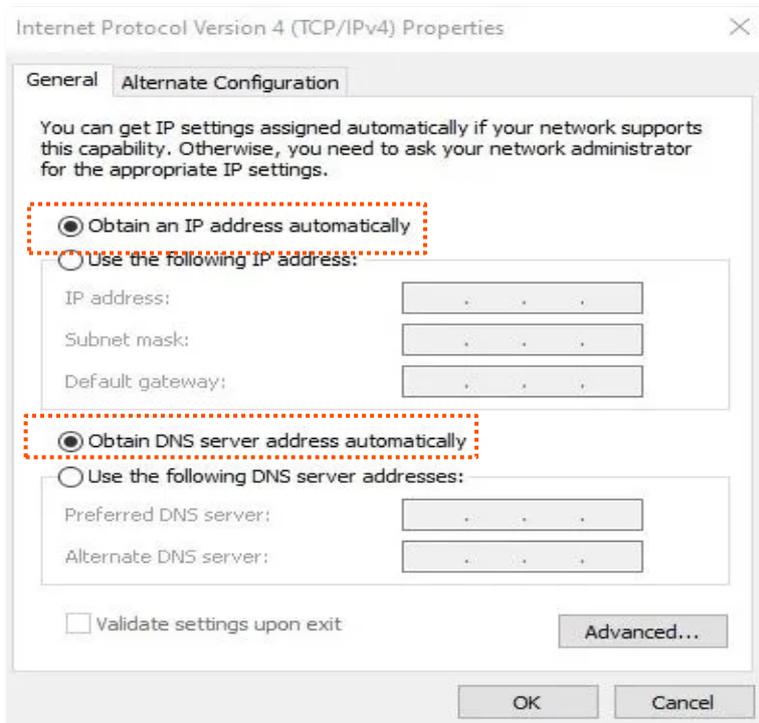
4. Click **Properties**.



5. Locate and double-click **Internet Protocol Version 4 (TCP/IPv4)**.



6. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, and click **OK**.



7. When the page automatically returns to the **Internet Properties**, click **OK** again.

---End

A.2 Connect to the hidden Wi-Fi network

To connect to the hidden Wi-Fi network of the extender, you need to manually enter its Wi-Fi name and password on your Wi-Fi-enabled devices.

Suppose that you have enabled **Unify 2.4 GHz & 5 GHz** function of the extender, and set relevant parameters as follows:

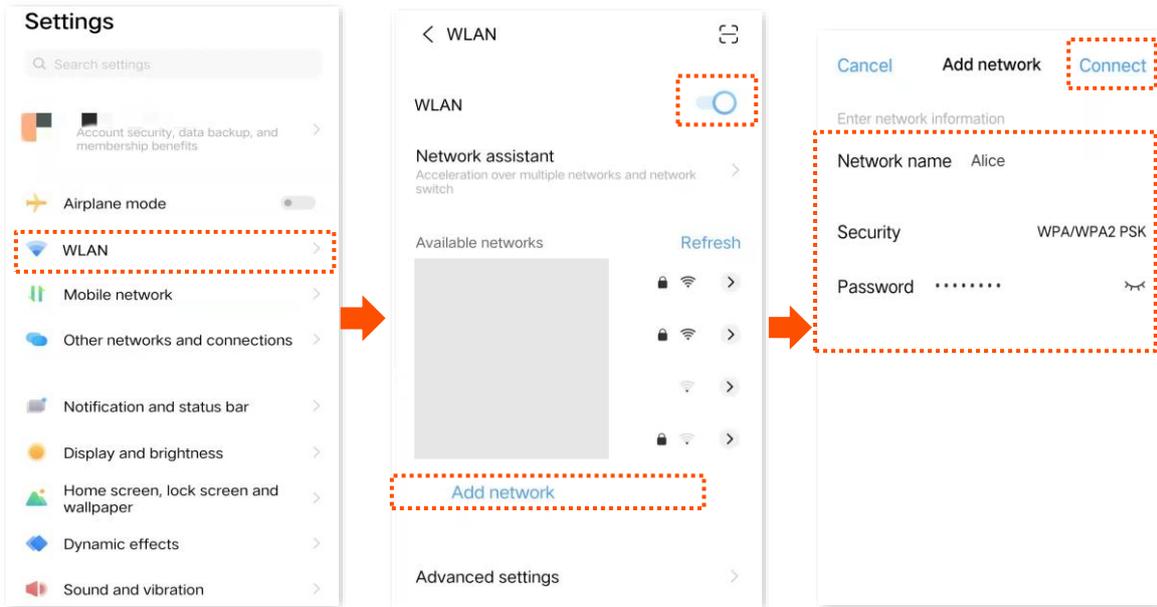
- Wi-Fi name: Alice
- Security: WPA2-PSK (Recommended)
- Wi-Fi password: UmXmL9UK



If you forgot the above parameters, [log in to the web UI of the extender](#) and view relevant parameters on the **WiFi Settings** page.

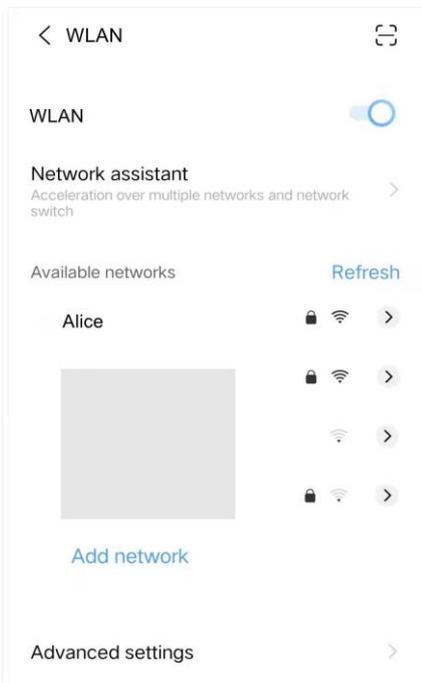
Configuration procedure: (An Android phone is used for illustration)

1. Tap **Settings** on the homepage of your smartphone to enter the setting page.
2. Tap **WLAN** to enter the **WLAN** page, then enable **WLAN**.
3. Scroll down to the bottom of the WLAN page, and tap **Add network**.
4. Enter the network name, which is **Alice**.
5. Set the security mode as **WPA/WPA2 PSK**. If your smartphone does not support **WPA/WPA2 PSK**, select another mode containing WPA2-PSK.
6. Enter the password, which is **UmXmL9UK** in this example.
7. Tap **Connect**.



---End

Wait until your smartphone connects to the Wi-Fi network of the extender, then you can access the internet.



A.3 Default parameter values

The following table lists the default parameter values of the extender.

| Parameter | Default Value |
|-----------------------|---|
| Login address | re.tenda.cn |
| Login password | None |
| IP address | 192.168.0.254  TIP After the network of the Wi-Fi router is extended successfully, the extender obtains an IP address automatically from the DHCP server of the upstream device. |
| Subnet mask | 255.255.255.0  TIP After the network of the Wi-Fi router is extended successfully, the extender obtains a subnet mask automatically from the DHCP server of the upstream device. |
| DHCP server status | Enabled  TIP It depends on the status of the extension. If the Wi-Fi repeater expands the network of Wi-Fi router successfully, the DHCP server will be disabled. Otherwise, it will be enabled. |
| SSID | Tenda_EXT |
| Wi-Fi password | None |
| Unify 2.4 GHz & 5 GHz | Enabled |

A.4 Acronyms and abbreviations

| Acronym and Abbreviation | Full Spelling |
|--------------------------|---|
| AES | Advanced Encryption Standard |
| AP | Access Point |
| DHCP | Dynamic Host Configuration Protocol |
| DNS | Domain Name System |
| DST | Daylight Saving Time |
| GMT | Greenwich Mean Time |
| IP | Internet Protocol |
| IPv4 | Internet Protocol version 4 |
| MAC | Media Access Control |
| OFDM | Orthogonal Frequency Division Multiplexing |
| OFDMA | Orthogonal Frequency Division Multiple Access |
| PMF | Management Frame Protection |
| SAE | Simultaneous Authentication of Equals |
| TCP | Transmission Control Protocol |
| WPA | Wi-Fi Protected Access |
| WPA-PSK | WPA-Preshared Key |
| WPS | Wi-Fi Protected Setup |