

Tenda

User Guide

Tenda WiFi App
For Home Wireless Routers



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Preface

Thank you for choosing Tenda! Please read this user guide before you use the **Tenda WiFi** App to set up your home wireless routers.



Conventions

This user guide is applicable to Tenda's home wireless routers that can be managed by the **Tenda WiFi** App. Available functions on the App vary with the model of your product. Unless otherwise specified, RX2 Pro and iOS system are used for illustration here.

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, tap 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 the device.
 TIP	This format is used to highlight a procedure that will save time or resources.

For more documents

If you want to get more documents of the device, visit www.tendacn.com and search for the corresponding product model.

Technical support

Contact us if you need more help. We will be glad to assist you as soon as possible.

Email address: support@tenda.com.cn

Website: www.tendacn.com

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 the user guide was introduced.

Version	Date	Description
V2.1	2023-08-30	<ol style="list-style-type: none">1. Added the description of the Add new nodes, Remove the secondary nodes, Add to whitelist and MESH button function.2. Optimized the description of the Add to blacklist, Remove the client form the blacklist/whitelist, WiFi settings function.3. Optimized sentence expression.
V2.0	2022-09-27	Updated the user guide based on the new functions of the Tenda WiFi App.
V1.0	2016-12-14	Original publication.

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App download and installation

Download the **Tenda WiFi** App onto your mobile device by scanning the **QR** code or by searching for **Tenda WiFi** in **Google Play** or **App Store**. Then install the **Tenda WiFi** App.



Or



Tenda WiFi

Registration and binding

Register a Tenda account


You can register a Tenda account and log in with it to manage the wireless router.



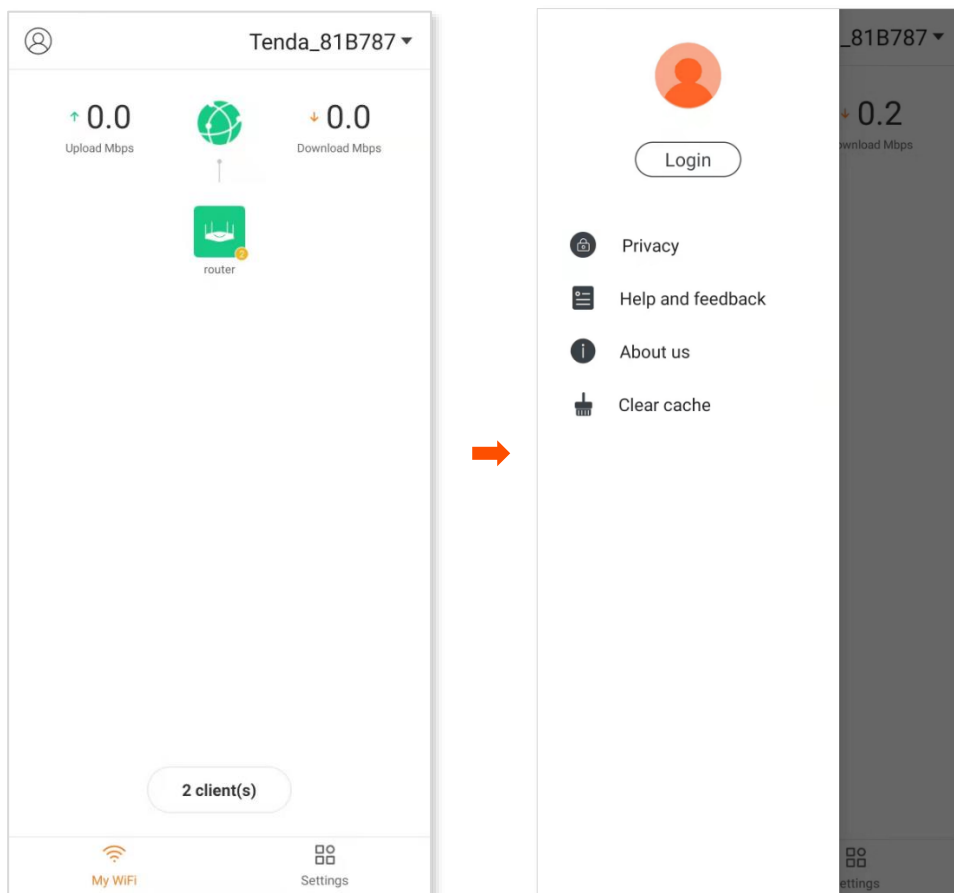
TIP

To log in to the **Tenda WiFi App** using a third-party account without registering a Tenda account, see [Log in to Tenda WiFi App](#).

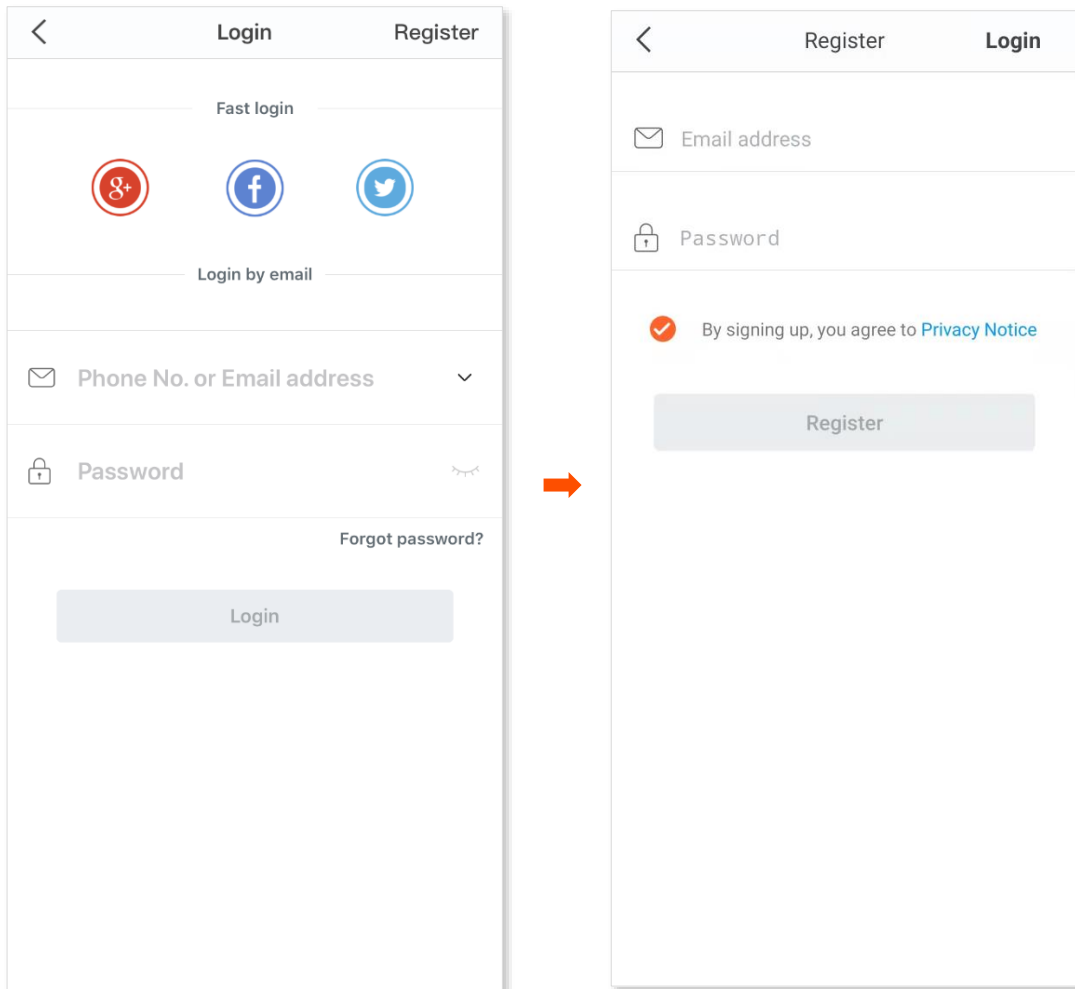
Procedure:

Step 1 Run the **Tenda WiFi App**, and tap  in the upper-left corner.

Step 2 Tap **Login**.



- Step 3** Tap **Register** in the upper-right corner.
- Step 4** Enter an email address.
- Step 5** Customize a password for your Tenda account.
- Step 6** Tick **By signing up, you agree to Privacy Notice**.
- Step 7** Tap **Register**.



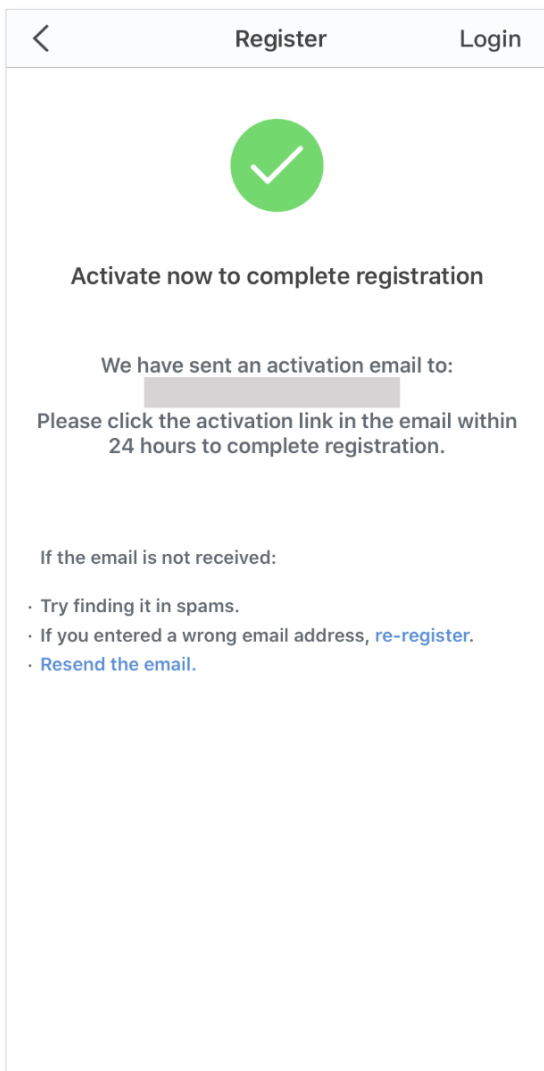
- Step 8** An activation email is sent to the email account you entered. Check the email and activate the account as instructed in the email.

---End



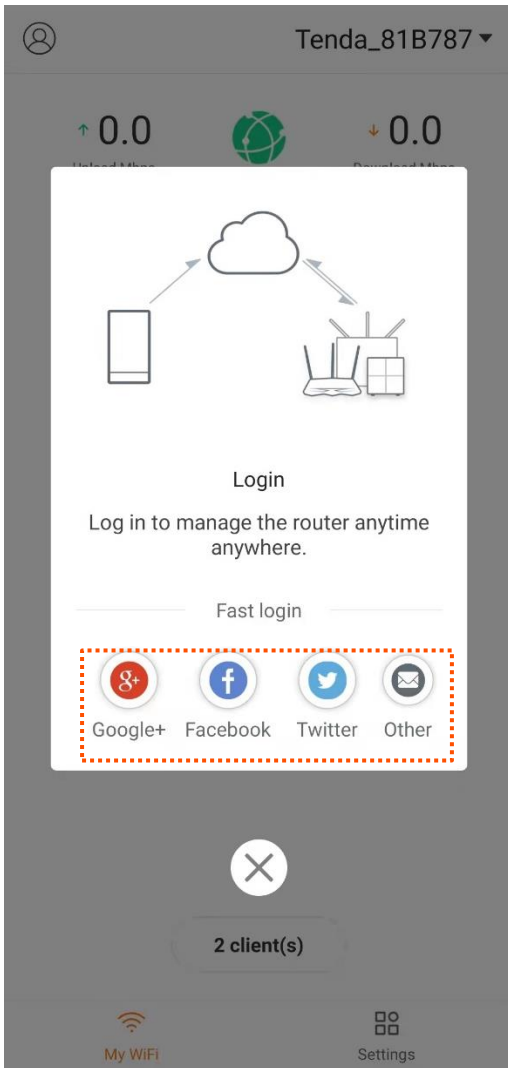
Registration completes.


You can tap **Login** in the upper-right corner to log in with the registered account.

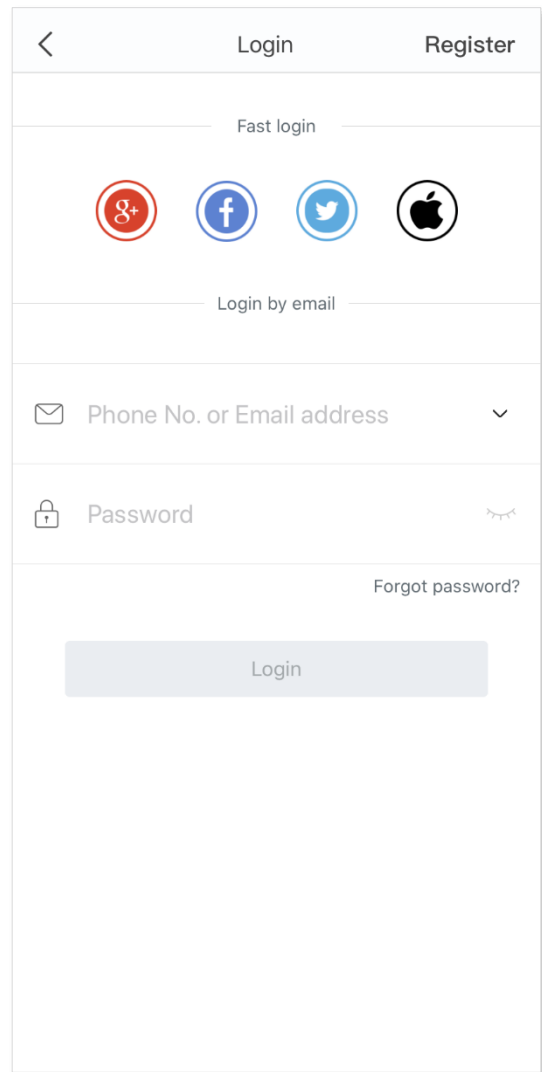
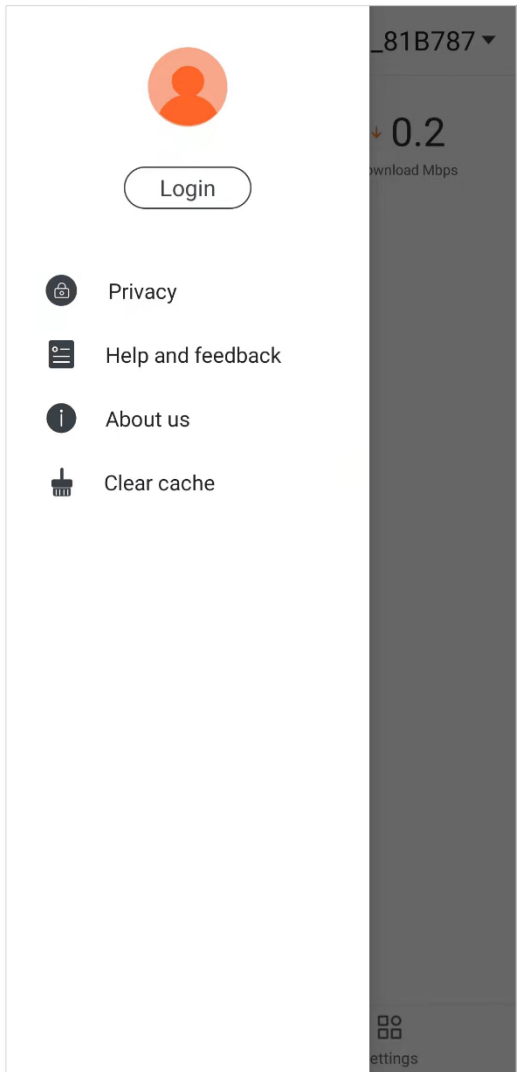


Log in to Tenda WiFi App

After you completed installation and setup using the **Tenda WiFi App**, a login prompt page appears. You can authorize the **Tenda WiFi App** to use a third-party account, including **Google+**, **Facebook**, and **Twitter**, or a registered account to log in.



You can also tap  in the upper-left corner and tap **Login**. Then choose a login method as required.



Bind the administrator account

When an account is bound to the wireless router, it becomes the administrator account of the wireless router.

Procedure:

Step 1 Connect your smartphone to the WiFi network of your router, and run the **Tenda WiFi** App.

Step 2 Log in to the **Tenda WiFi** App, and your account is bound with the wireless router.

---End



If the wireless router is already bound with an account, it cannot be bound again with another account.

Quick setup

Before you start, [download the Tenda WiFi App](#) on your mobile device (smartphone or tablet). A smartphone is used for illustration here.

Procedure:

- Step 1** Power on the wireless router.
- Step 2** Connect the WAN port of the wireless router to the LAN port of your modem or the Ethernet jack using an Ethernet cable.
- Step 3** Connect your smartphone to the WiFi network of the wireless router.



TIP

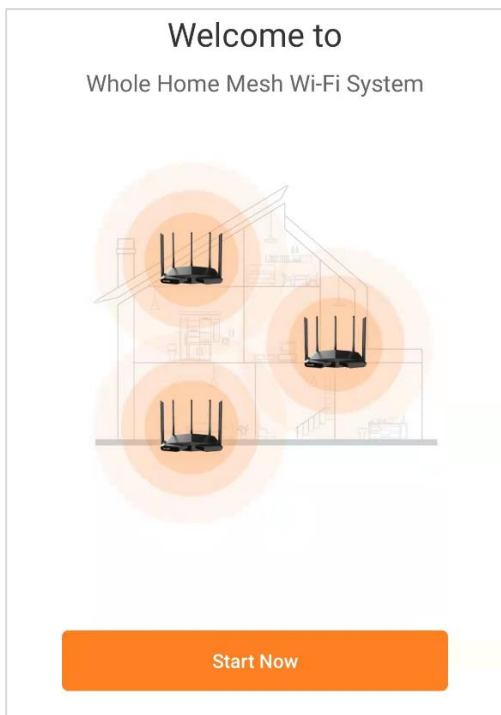
The default WiFi name and password can be found on the bottom label of the device.

- Step 4** Run the **Tenda WiFi App**.

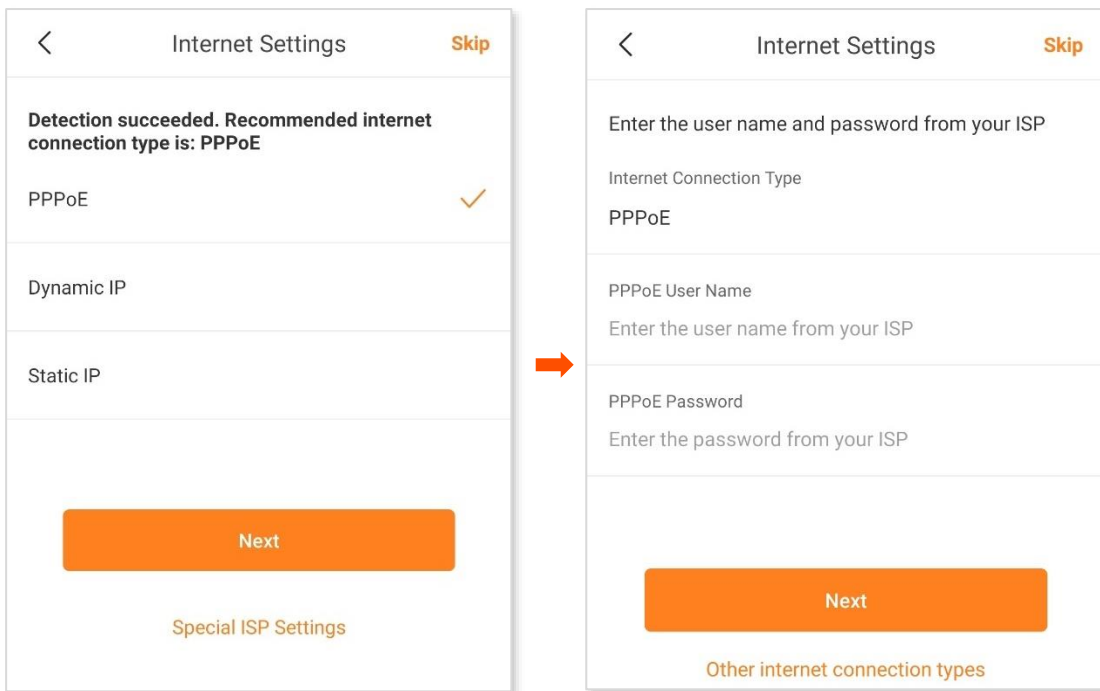


Tenda WiFi

- Step 5** Tap **Start Now**.

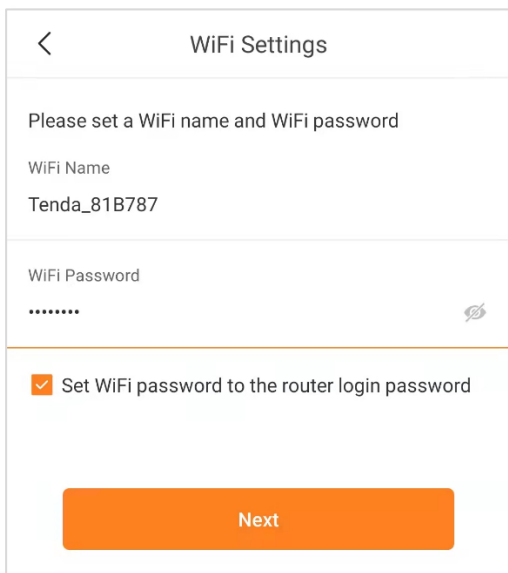


Step 6 Set required parameters (PPPoE is used for illustration here) and tap **Next**.



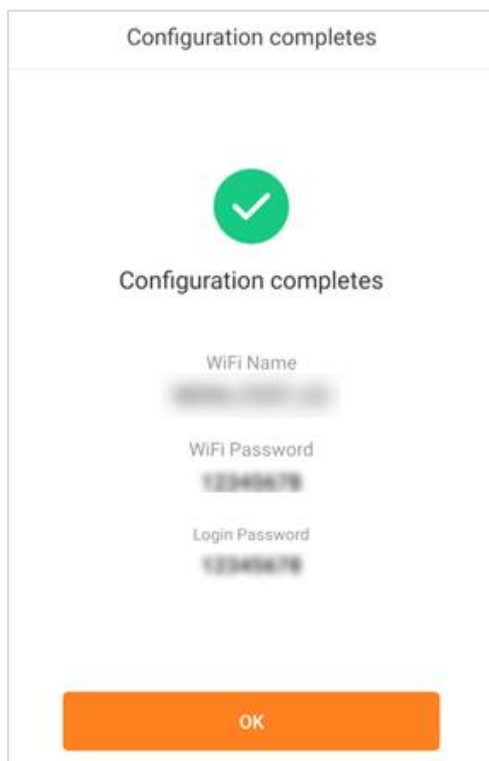
Tenda WiFi App will detect the connection type of WAN port of the wireless router. If the WAN port is not connected properly, follow the instructions on the App to complete the connection.

Step 7 Customize the **WiFi Name** and **WiFi Password**, and tap **Next**.



**TIP**

- To use the same password for WiFi access and web UI login, keep **Set WiFi password to router login password** selected, which is the default setting.
- To use different passwords for WiFi access and web UI login, deselect **Set WiFi password to router login password**, and set **WiFi Name** and **WiFi Password** for WiFi login and **Login Password** for web UI login.

Step 8 Tap **OK**.**---End**

After the quick setup, if you use the default WiFi password, Android phones will connect to the WiFi network you set automatically, whereas iOS phones need to be connected to the WiFi network manually.

Management type

The wireless router supports local management and remote management with the **Tenda WiFi** App. You can choose either of the management types as required.

Local management

Local management indicates that you can use the **Tenda WiFi** App to manage your router after connecting your smartphone to the WiFi network of the wireless router.

Procedure:

- Step 1** Connect your smartphone to the WiFi network of your router (For the default WiFi network information, see the label on the bottom of the device).
- Step 2** Run the **Tenda WiFi** App on the smartphone, and then you can use the App to manage your router.

---End


Remote management

Remote management indicates that you can use the **Tenda WiFi** App to manage your router anytime and anywhere without connecting to the WiFi network of the wireless router.

Prerequisites:

- Your router is connected to the internet.
- You have logged in with the administrator account of the wireless router.

Procedure:

- Step 1** Run the **Tenda WiFi** App on the smartphone.
- Step 2** Tap  in the upper-left corner.
- Step 3** Log in with the administrator account of the wireless router.

---End

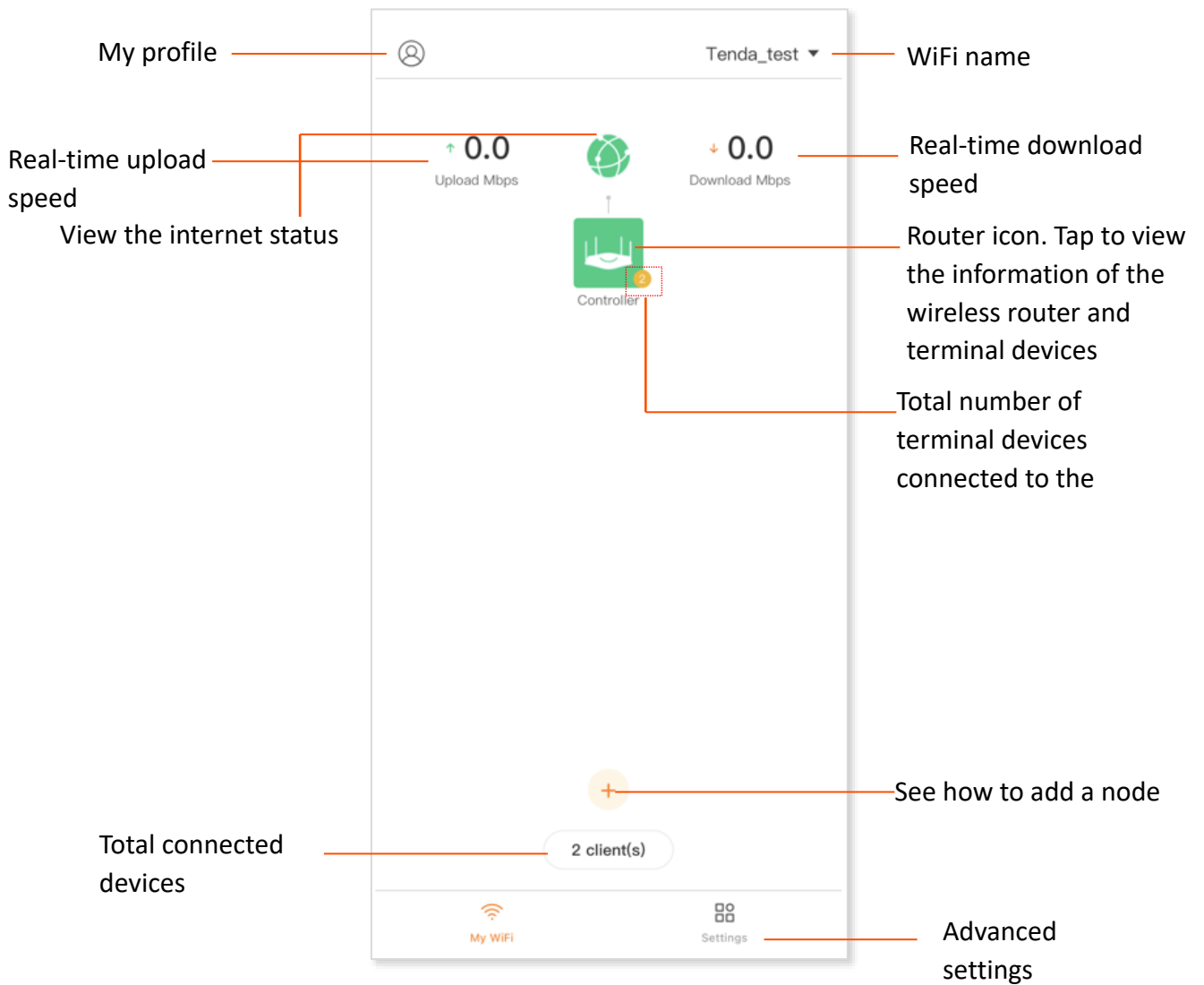
Now, you can manage your router remotely.

My WiFi (Example: RX12 ProV2.0)

After the quick setup, the following page appears.

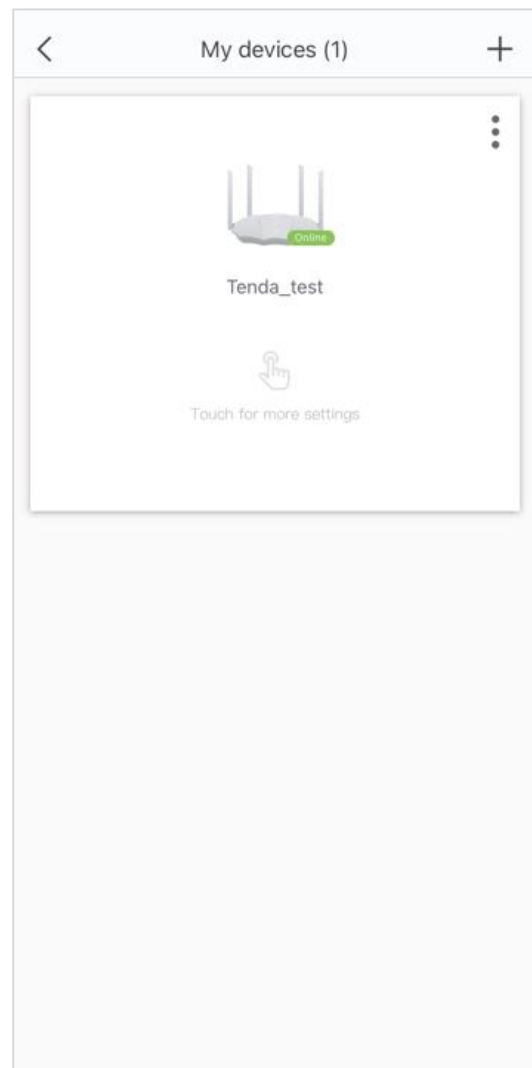
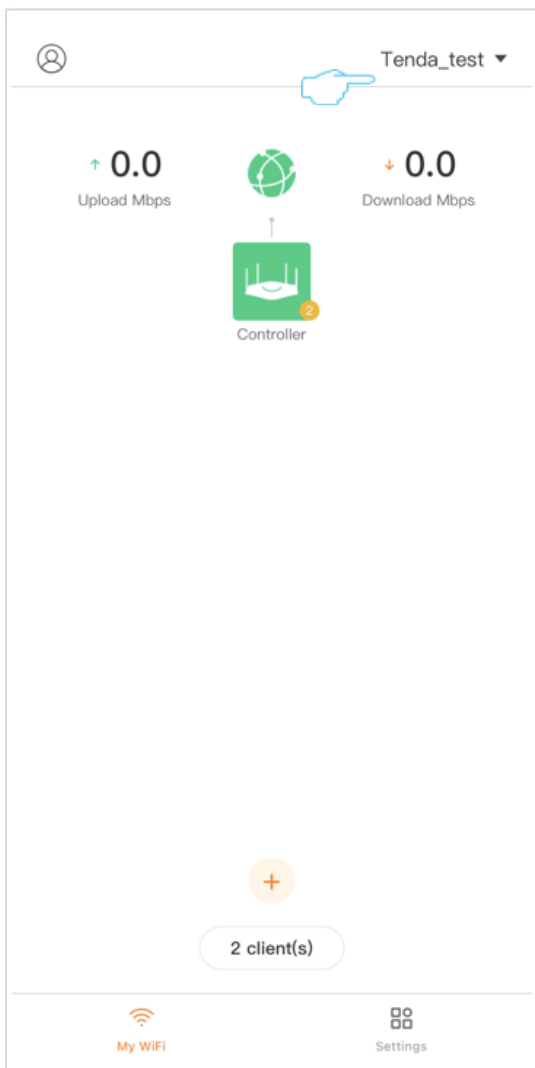
You can:

- [View or modify the managed devices](#)
- [View internet status](#)
- [Add new nodes](#)
- [View router information](#)
- [Remove the secondary nodes](#)
- [Reboot the device](#)
- [Reset the device](#)
- [Turn on/off the LED indicator of the device](#)
- [Schedule disable the LED indicator of the device](#)
- [View and manage connected clients](#)
- [Set the family group to which the clients belongs](#)
- [Set the maximum upload/download rate of the client](#)
- [Add to the blacklist](#)
- [Add to the whitelist](#)
- [Remove the client from blacklist/whitelist](#)




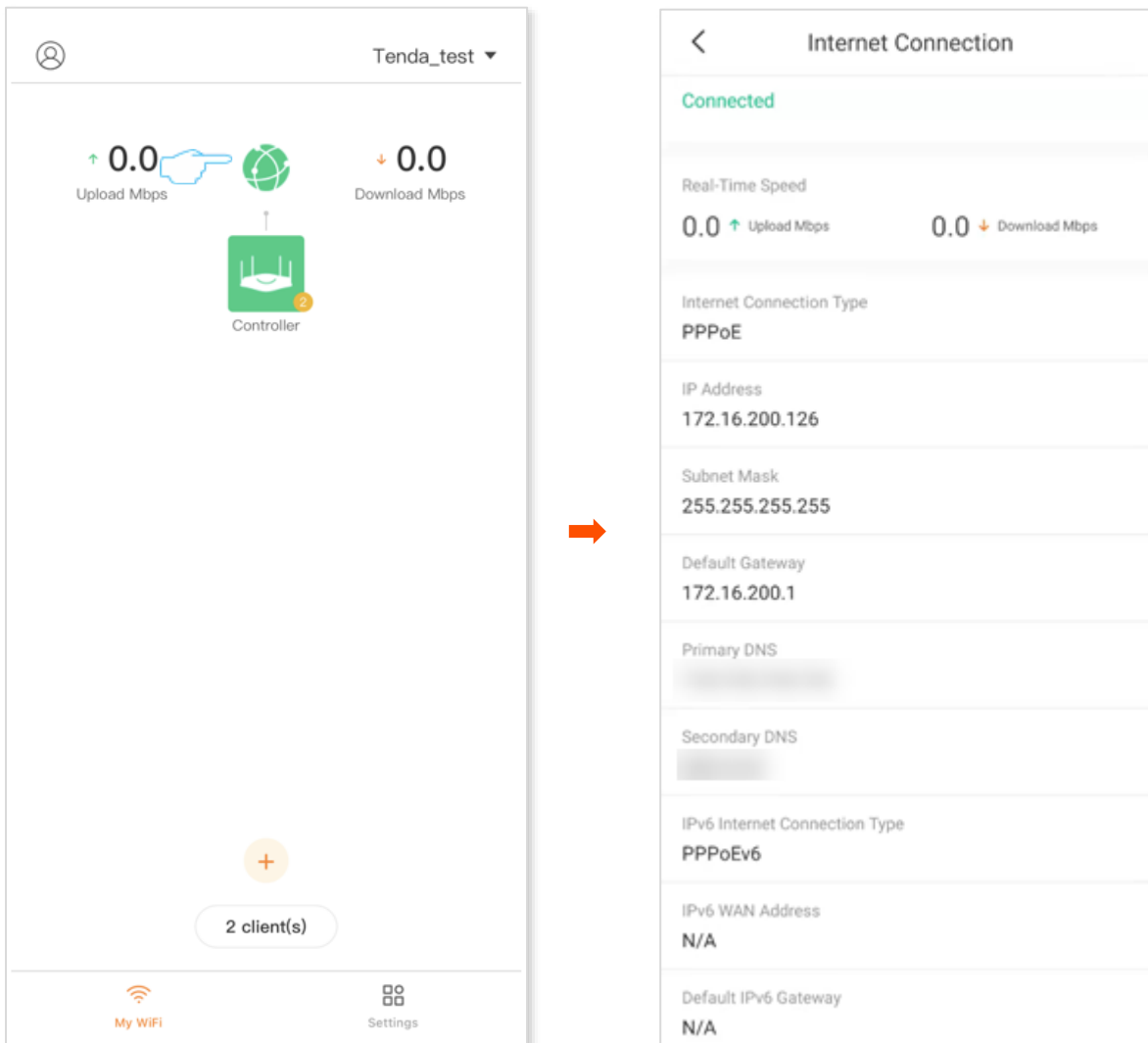
View or modify the managed devices

- Step 1** Run the **Tenda WiFi** App, and tap WiFi name in the upper-right corner of the **My WiFi** page.
- Step 2** Manage your router as required.
- Tap **+** to add the wireless router you want to manage.
 - Tap **⋮** to set router remarks (only administrator accounts available) or unbind the wireless router.



View internet status

Tap  on the **My WiFi** page. Information such as connection status and other basic internet connection parameters is displayed, as shown in the following figure.



Parameter description

Parameter	Description
Connected/Disconnected	Specifies the internet connection status of the WAN port.
Real-Time Speed	Specifies the real-time upload and download speed in the unit of Mbps.
Internet Connection Type	Specifies the internet connection type of the WAN port. PPPoE is used as an example here.

Parameter	Description
IP Address	Specifies the WAN IP address of the wireless router.
Subnet Mask	Specifies the WAN subnet mask of the wireless router.
Default Gateway	Specifies the gateway IP address of the wireless router.
Primary DNS	Specify the IP address of primary and secondary DNS servers of the wireless router.
Secondary DNS	
IPv6 Internet Connection Type	Specifies the IPv6 internet connection type of the wireless router. It is displayed only when the IPv6 function is enabled.
IPv6 WAN Address	Specifies the IPv6 WAN address of the wireless router. It is displayed only when the IPv6 function is enabled.
Default IPv6 Gateway	Specifies the IPv6 gateway address of the wireless router. It is displayed only when the IPv6 function is enabled.
Primary IPv6 DNS	Specify the IPv6 address of primary and secondary DNS servers of the wireless router.
Secondary IPv6 DNS	
IPv6 LAN Address	Specifies the IPv6 LAN address of the wireless router. It is displayed only when the IPv6 function is enabled.

Add new nodes (Example: RX12 ProV2.0)

Tenda WiFi+ routers support Mesh networking. Mesh networking has such advantages as automatic networking, self-repair, multi-skip cascade, unified management network, node self-management, which can greatly reduce the cost and complexity of network deployment.

The wireless router supports the following three Mesh networking modes. You can choose the Mesh networking mode as required.

■ MESH button networking

The networking button (WPS or WPS/MESH) on the wireless router body can be used to network with other Tenda WiFi+ routers without entering the management page.

■ Wired networking

Connect the LAN port of an existed node to a new node through an Ethernet cable for automatic networking. The wired network has good stability and small delay. If Ethernet cables have been deployed at home, you can use this mode.

■ Scanning networking

Network this device with other routers through the configuration of the **Tenda WiFi** App or the web UI of the wireless router.



- If the number of secondary nodes is more than two, place the primary node in the core area and ensure that no more than one node is between the primary node and the secondary node.
 - Before using a new router to extend the network, ensure that the original router (primary node) is connected to the network and the new router (secondary node) is in factory settings.
 - This router can network with Tenda WiFi+ routers. If the networking fails, contact Tenda technical support to confirm the Mesh networking compatibility of the wireless router.
-

Wireless networking

MESH button networking



Before using the new router to extend the network, ensure that the MESH button function (only some models available, such as the RX12 Pro) is enabled on the original router (primary node).

Step 1 Add to the existed network.

1. Place the new (RX12 Pro) router near the original router (RX12 Pro) (within 3 meters) and power on. Wait until the startup of the new router (RX12 Pro) is complete. The LED indicator blinks green slowly.
2. Press (1 to 3 seconds) the networking button (WPS or WPS/MESH) on the original router (RX12 Pro). The LED indicator blinks green quickly.
3. Press (1 to 3 seconds) the networking button (WPS or WPS/MESH) of the new router (RX12 Pro) within 2 minutes. The LED indicator blinks green quickly.

Step 2 Select an appropriate position for the new router (RX12 Pro).

1. For a better internet experience, you can relocate the wireless router by referring to the following relocation tips:
 - Place the new router (RX12 Pro) within the wireless coverage range of the original router (RX12 Pro).
 - Keep your nodes away from electronics with strong interference, such as microwave ovens, induction cookers, and refrigerators.
 - Place the nodes in a high position with few obstacles.
2. Power on the new router (RX12 Pro), and wait until the LED indicator blinks green slowly.



If the LED indicator of the new router (RX12 Pro) is still blink green slowly after 3 minutes. Please adjust the new router (RX12 Pro) closer to the original router (RX12 Pro).

Observe the LED indicator of the new router (RX12 Pro) until it changes to one of the following status:

Solid green	Networking succeeds. Good connection quality.
Solid yellow	Networking succeeds. Fair connection quality.
Solid red	Networking succeeds. Poor connection quality.

3. If the LED indicator of the new router (RX12 Pro) is solid red, select a new location by referring to [substep 1](#) of **Step 2** in this section to obtain the best connection quality.

---End

To access the internet with:

- **Wired devices:** Connect to a LAN port of the wireless router using an Ethernet cable.
- **WiFi-enabled devices:** Connect to the WiFi network using the WiFi name and password you set. (The WiFi name and WiFi password of all nodes are the same.)

Repeat **Step 1** to **Step 2** in this section to add other routers.


Scanning networking

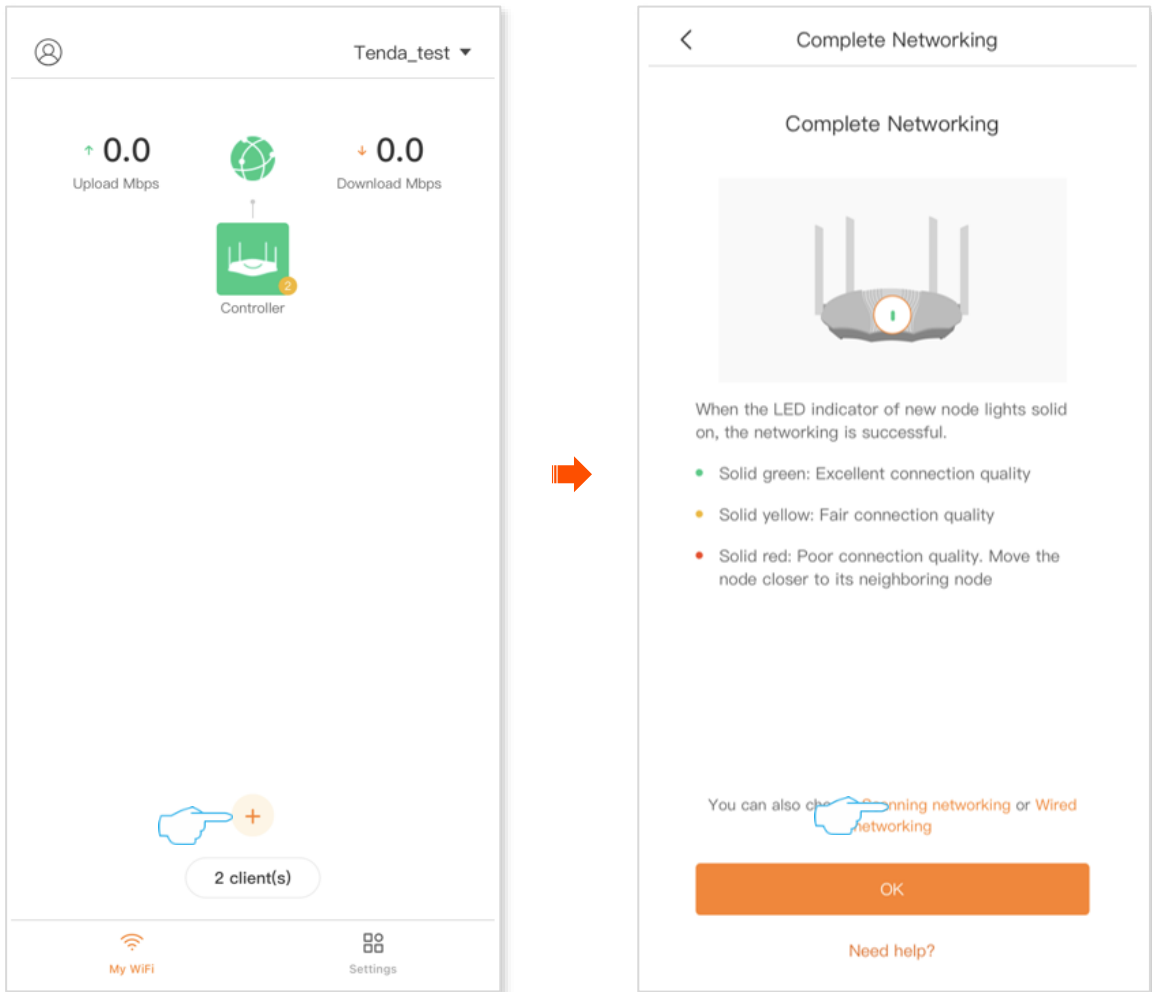
Step 1 Place the new router (RX12 Pro) near the existed node (within 3 meters) and power on. Wait for the LED indicator of the new router (RX12 Pro) blinks green slowly.

Step 2 Run the **Tenda WiFi** App, and add the node.

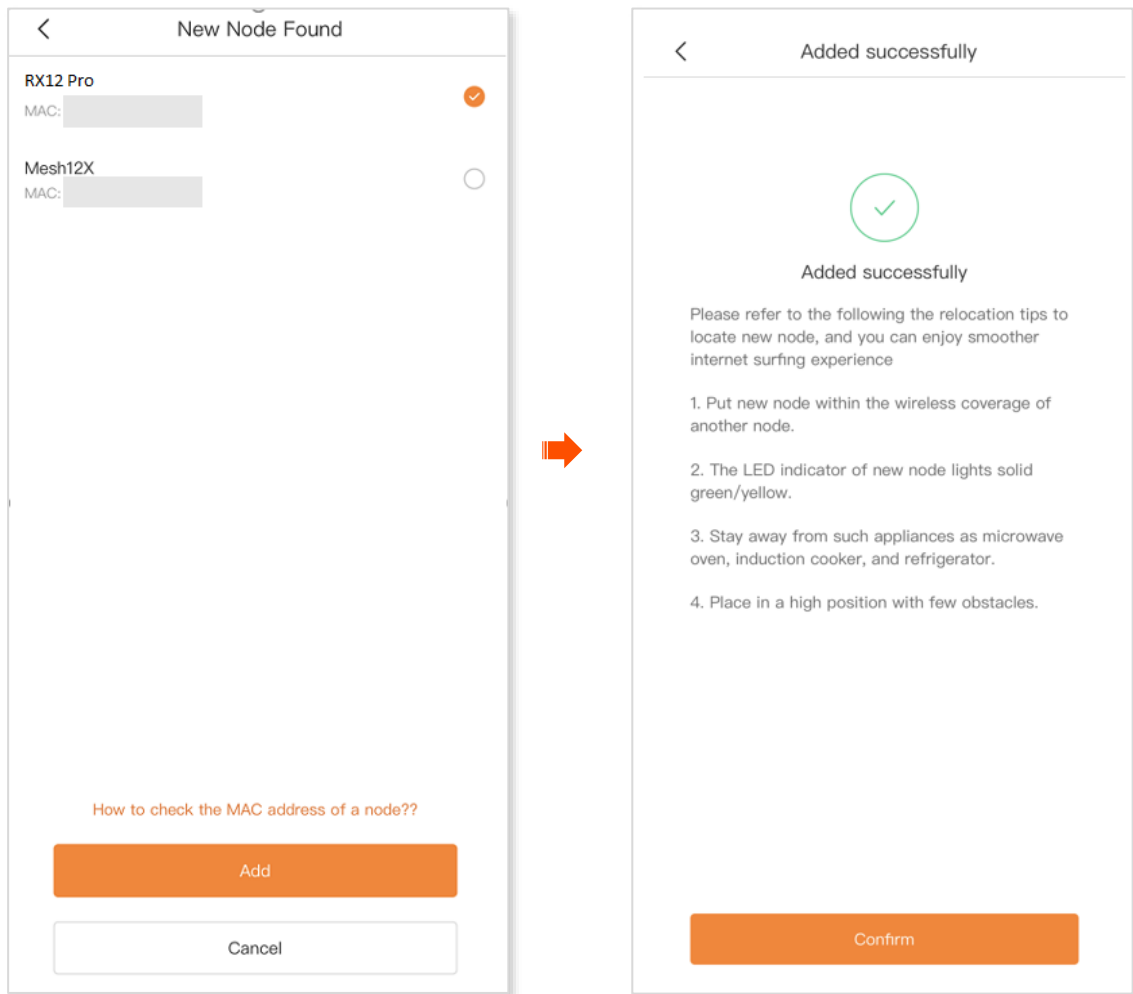


Log in to the Tenda WiFi App using an account that has been bound to or authorized to manage the primary router. Otherwise, the Tenda WiFi App cannot be used to manage the original router.

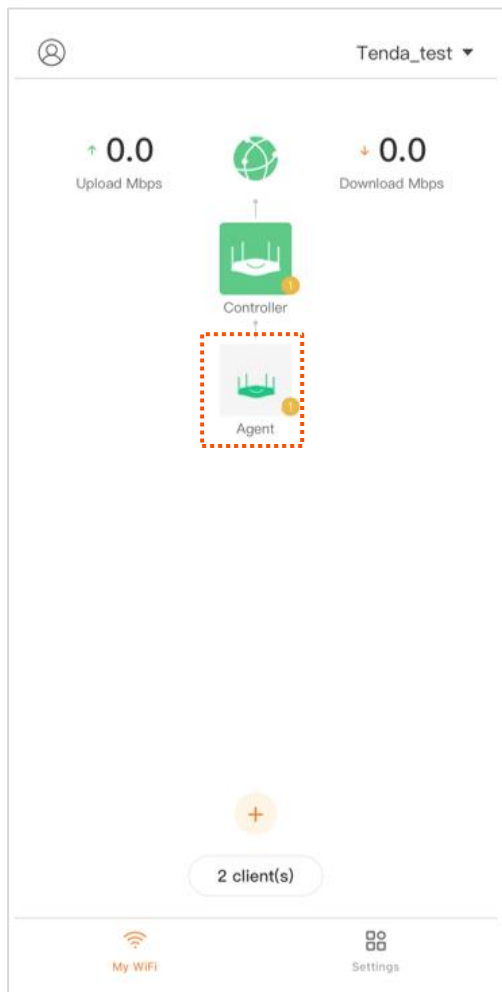
1. Tap  on **My WiFi** page.
2. Tap **Next** > **Next**, and ignore the MESH button networking guidance. Tap **Scanning Networking** on the **Complete Networking** page. The figure below is for reference only.



3. The system discovers a new node, check that the SN or MAC address of the node is the same as the SN or MAC address on the bottom label of the new router, and tap **Add**. Wait for a moment, the node is added successfully, and tap **Confirm**. The SN is used as an example for reference only.



Return to the **My WiFi** page, you can see the new router (RX12 Pro) has successfully joined the network as a secondary node.



Step 3 [Select an appropriate position for the new router \(RX12 Pro\).](#)

---End

To access the internet with:

- **Wired devices:** Connect to a LAN port of the wireless router using an Ethernet cable.
- **WiFi-enabled devices:** Connect to the WiFi network using the WiFi name and password you set. (The WiFi name and WiFi password of all nodes are the same.)

Repeat [this section](#) to add other routers.

Wired networking

Assume that the Ethernet cable has been deployed in advance between the living room and the bedroom in the home, the wireless router RX12 Pro (primary node) placed in the living room has been connected to the internet, and now you need to deploy a router RX12 Pro (planned as a secondary node) in the bedroom to extend the wireless network.

- Step 1** Place the new router (RX12 Pro) where you want to deploy it, which is **bedroom** in this example. Power on the new router (RX12 Pro). Wait until the startup of the new router (RX12 Pro) is complete (the LED indicator blinks green slowly).
- Step 2** Connect the LAN port of the primary node to the LAN port of the new router (RX12 Pro) using an Ethernet cable.
- Step 3** The wireless router will automatically network. Please wait about 1 minute. When the LED indicator of the new router (RX12 Pro) turns solid green, the networking is successful. The RX12 Pro becomes a secondary node in the network.

---End

To access the internet with:


- **Wired devices:** Connect to a LAN port of the wireless router using an Ethernet cable.
- **WiFi-enabled devices:** Connect to the WiFi network using the WiFi name and password you set. (The WiFi name and WiFi password of all nodes are the same.)

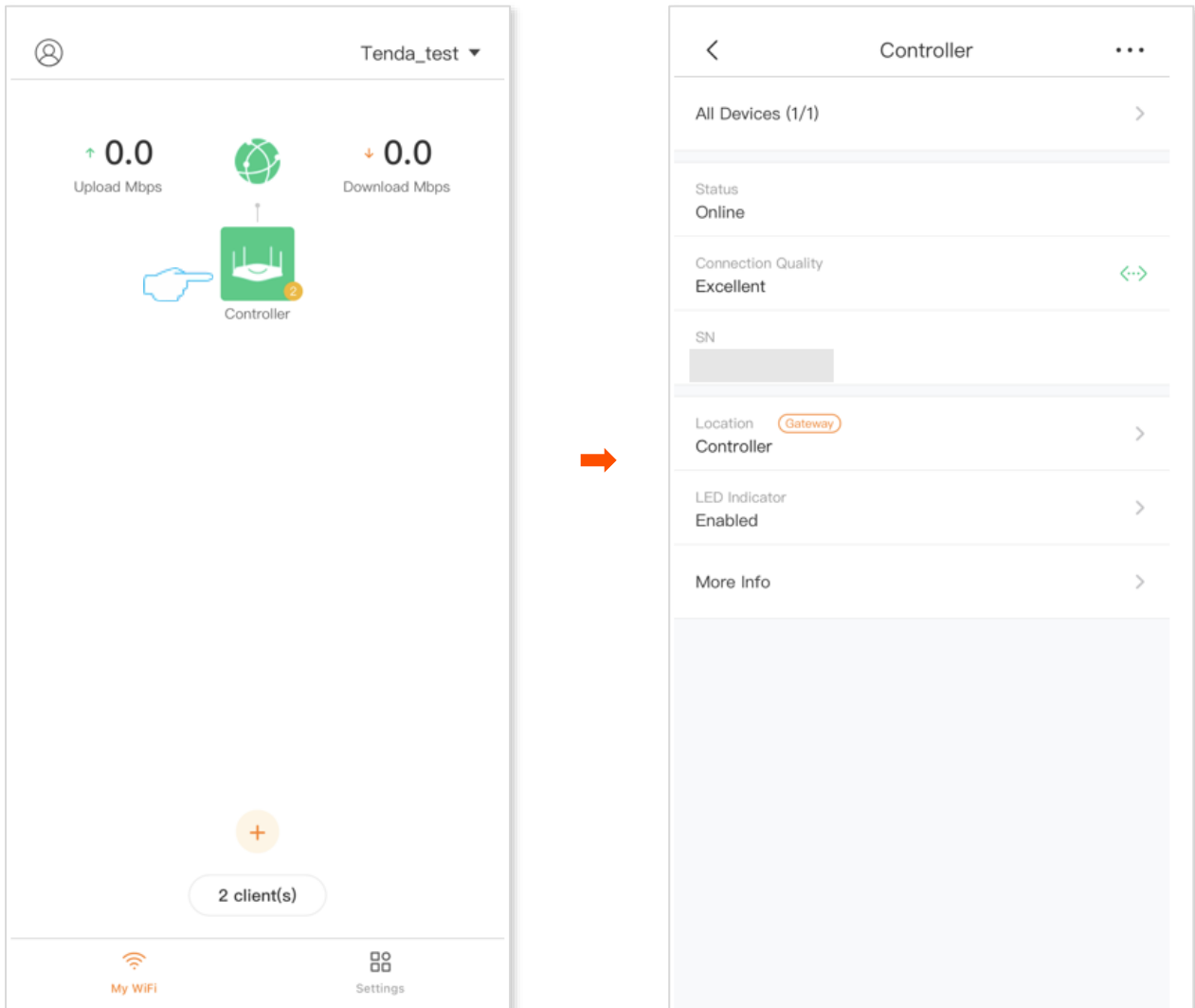


TIP


- After the wired networking is successful, if the Ethernet cable connecting the two RX12 routers are removed, the system automatically switches to the wireless networking. To obtain better internet access experience after switching to a wireless network, go to [select an appropriate position for the new router](#).
 - If there is still a router to network, repeat this section.
 - To obtain a better wireless internet experience, keep your nodes away from electronics with strong interference, such as microwave ovens, induction cookers, and refrigerators.
-

View router information

Tap  on the **My WiFi** page. Basic router information and operations (such as connection status, connection quality, serial number and location) are displayed, as shown in the following figure.



Parameter description

Parameter	Description
	Tap to reboot the wireless router, or restore the wireless router to the factory state.

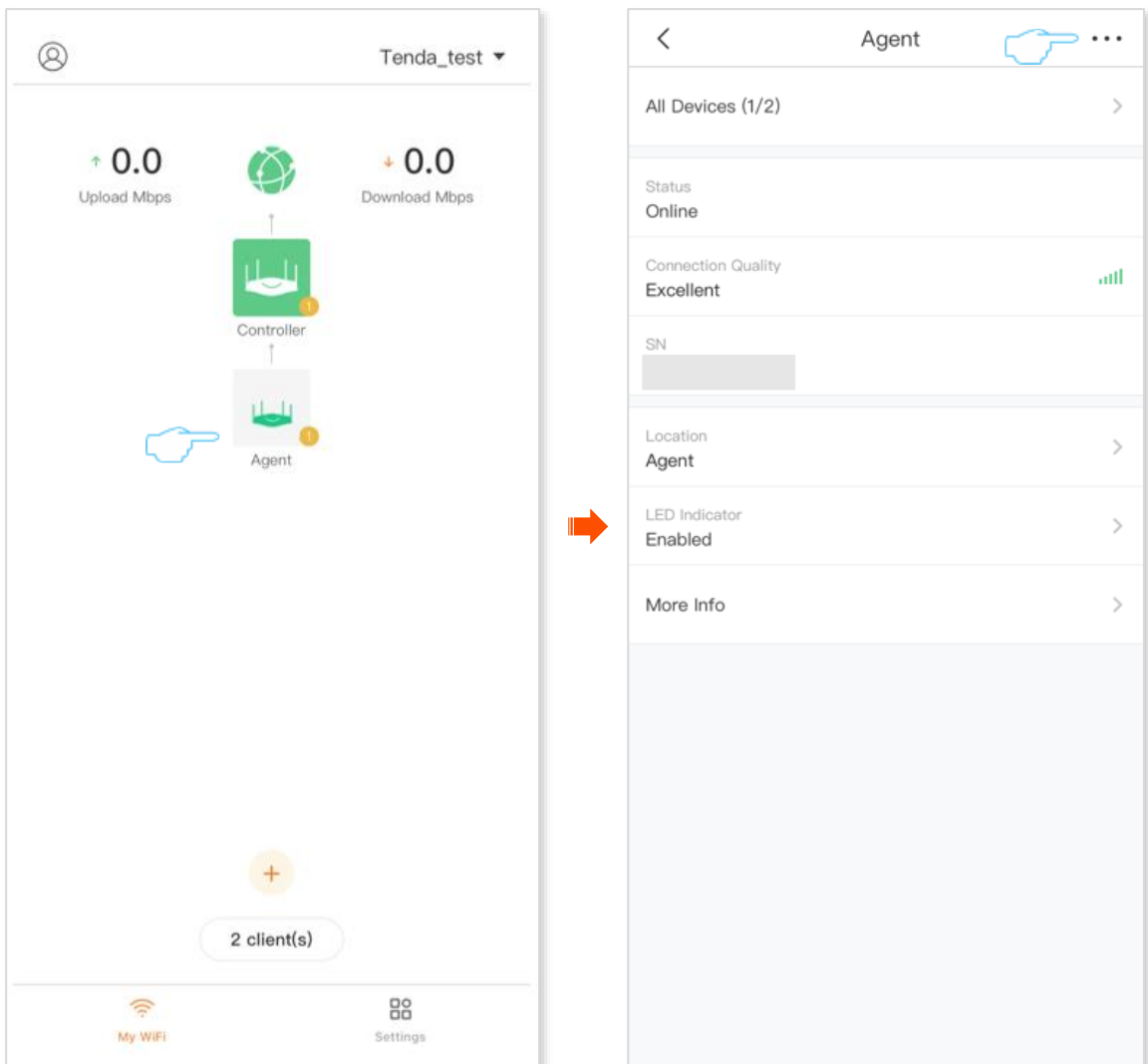
Parameter	Description	
All Devices	Specifies the total number of terminal devices connected to the wireless router, including online and offline terminals. Tap to view detailed Online and Offline information.	
Status	Specifies the wireless router status. If the status is Offline , perform operations as prompted.	
Connection Quality	Specifies the network connection quality of the wireless router.	
SN	Specifies the serial number of the wireless router.	
Location	Specifies the wireless router location information. You are recommended to set this parameter to the current installation location of the wireless router for easy management. You can select the preset location information or customize it.	
LED Indicator	Specifies the LED indicator status of the wireless router. Tap to turn on/off the LED indicator of the wireless router.	
More Info	Firmware Version	Specifies the system firmware version number of the wireless router.
	IP Address	Specifies the IP address of the LAN port of the wireless router.
	WAN MAC address	Specifies the MAC address of the WAN port of the wireless router.
	LAN MAC address	Specifies the MAC address of the LAN port on the wireless router.
	2.4 GHz MAC address	Specifies the MAC address of the 2.4 GHz wireless interface of the wireless router.
	5 GHz MAC address	Specifies the MAC address of the 5 GHz wireless interface of the wireless router.

Remove the secondary nodes (Example: RX12 Pro)

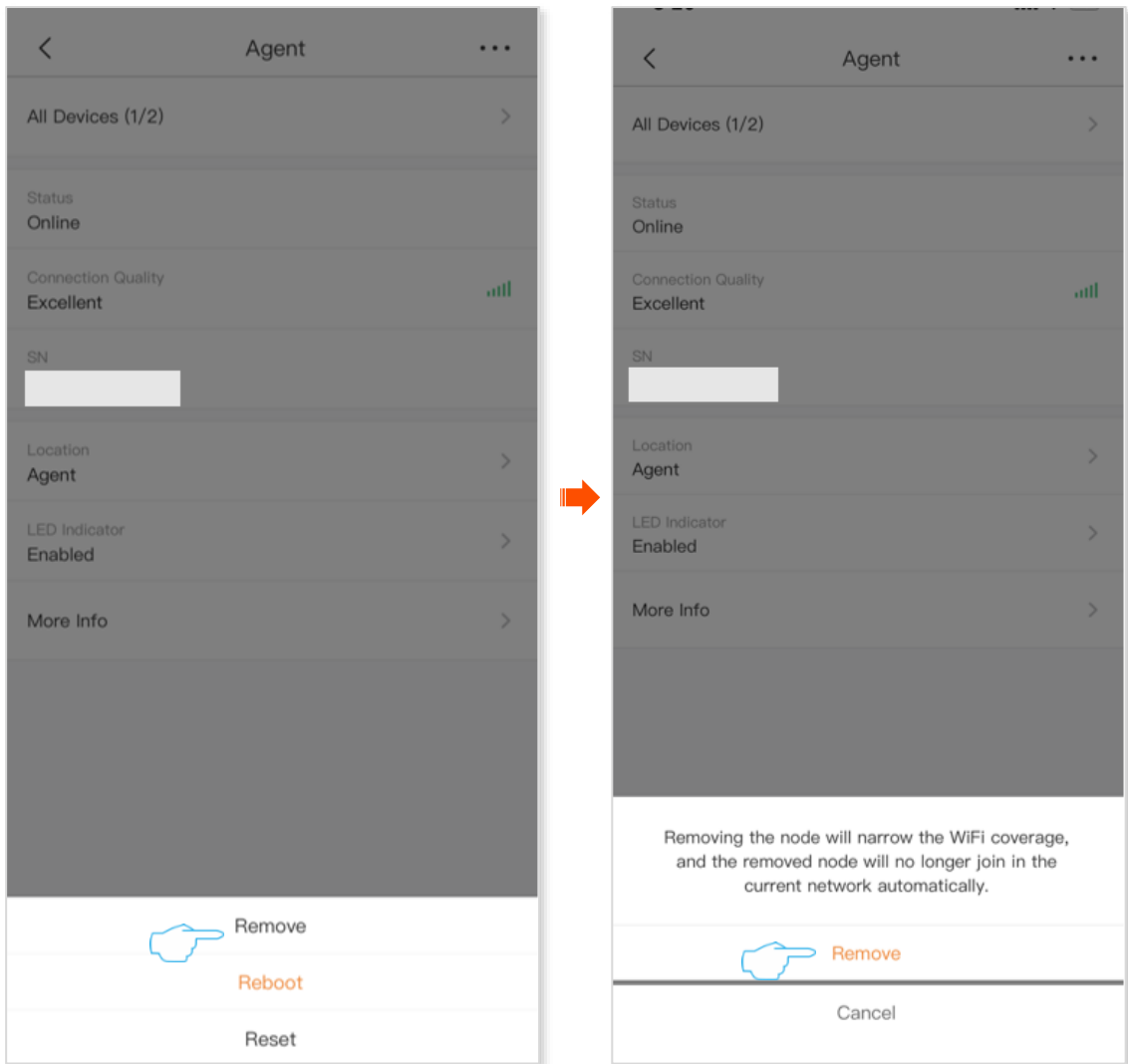
Remove the secondary node will reduce the network coverage and the node is no longer automatically added to the network.

Step 1 Run the **Tenda WiFi** App, and tap  (secondary node icon) on **My WiFi** page.

Step 2 Tap ●●● in the upper-right corner.




Step 3 Tap **Remove**, read the prompt message, and tap **Remove**.



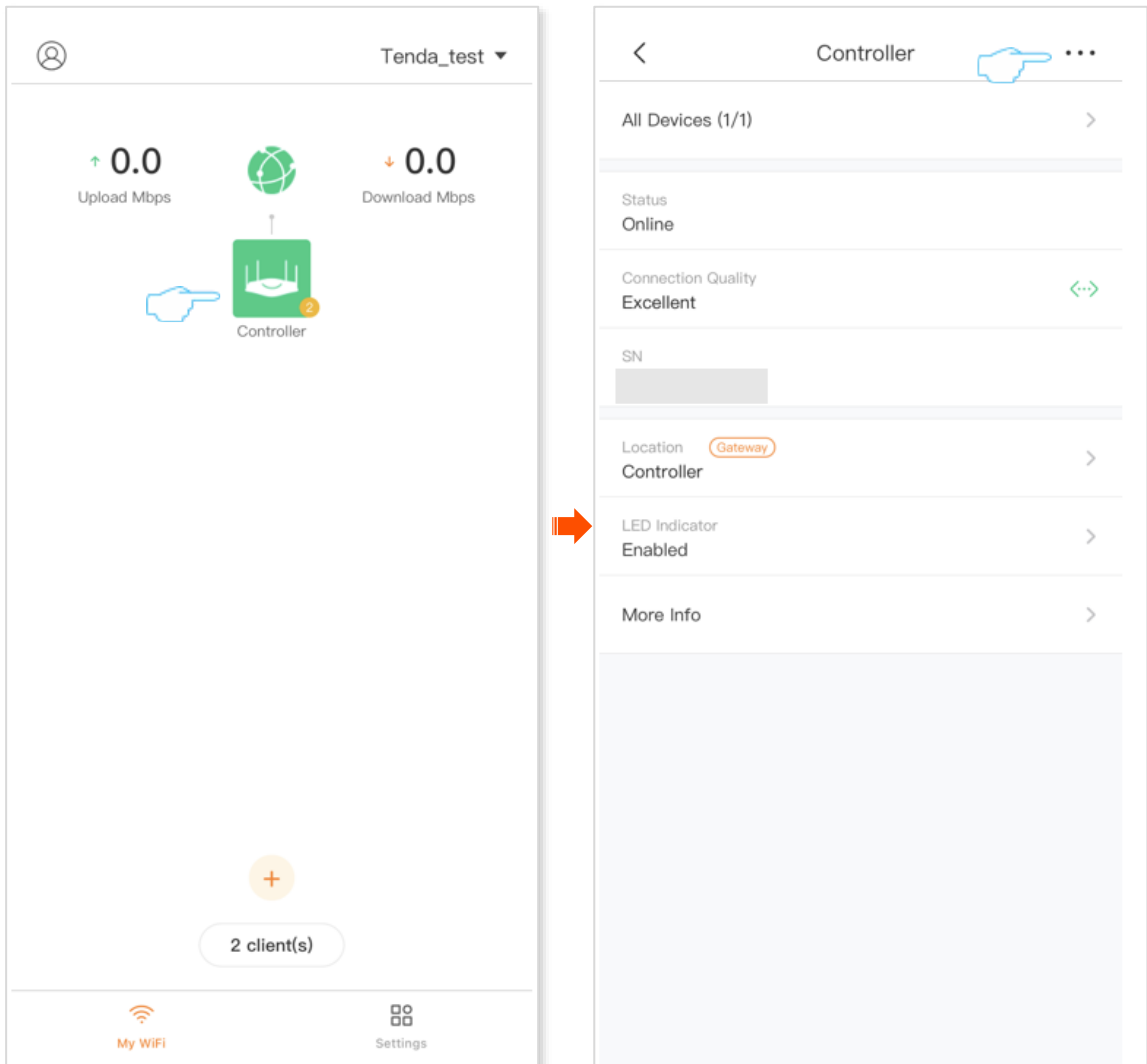
---End

Reboot the device

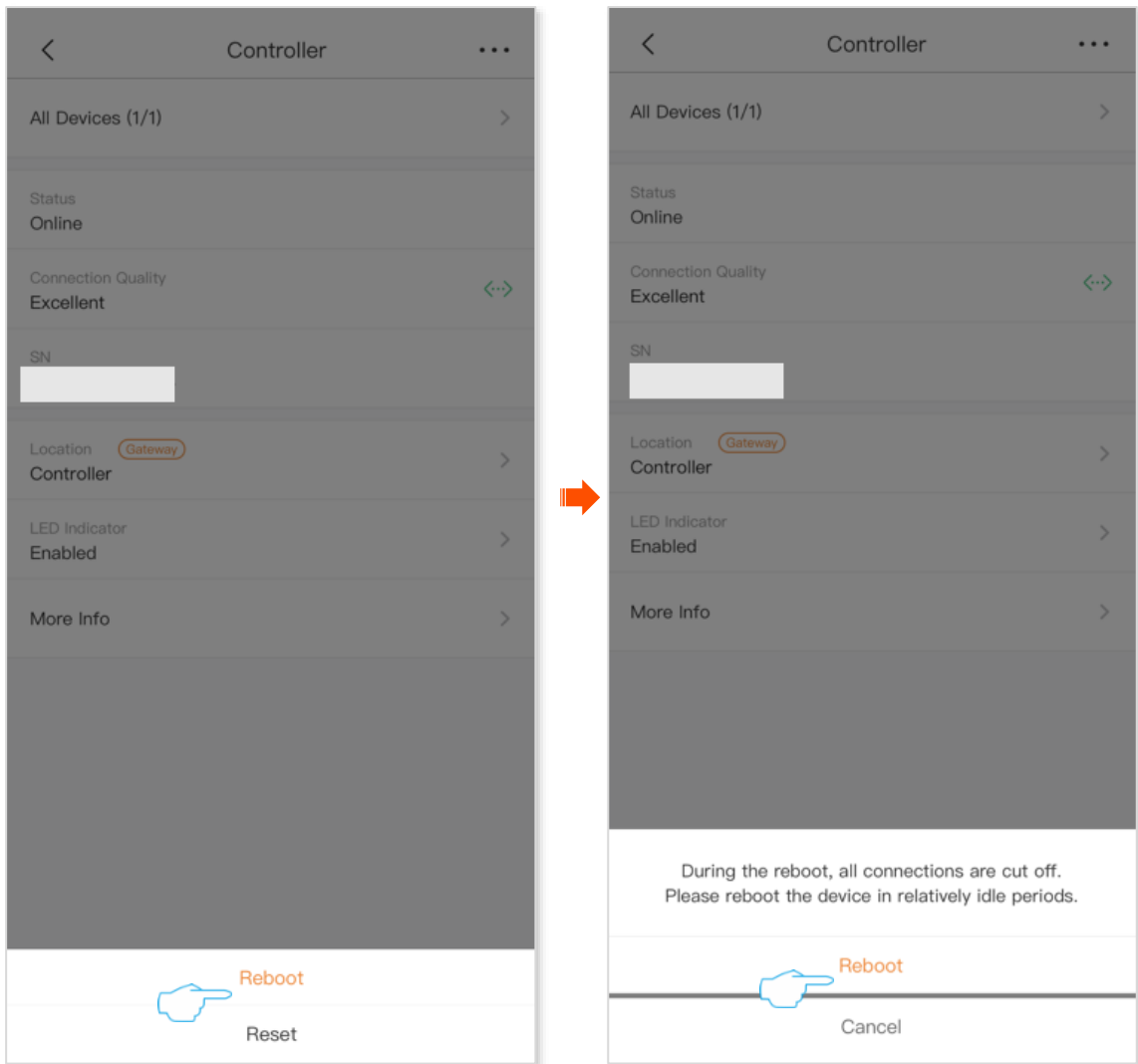
When one of the parameters you set does not take effect or the wireless router cannot be used normally, you can try to reboot the wireless router. The reboot will disconnect all connections. Perform this operation when the network is relatively idle.

Step 1 Run the **Tenda WiFi** App, and tap  on **My WiFi** page.

Step 2 Tap ●●● in the upper-right corner.



Step 3 Tap **Reboot**, read the prompt message, and tap **Reboot**.



---End

A reboot message is displayed. Please wait a moment.

Reset the device

If there is a problem with the wireless router that cannot be located or you want to log in to the web UI of the wireless router but forget the login password, you can restore the wireless router to factory settings and reconfigure.

If the wireless router supports Mesh networking and has been networked with other Mesh devices, the entire network cannot access the internet after the wireless router serving as the primary node restores its factory settings. You need to re-configure to access the internet. You are recommended to back up the configuration first.




After the wireless router is restored to the factory settings, all the configurations of the wireless router will be restored to the factory settings. You need to re-configure the wireless router.

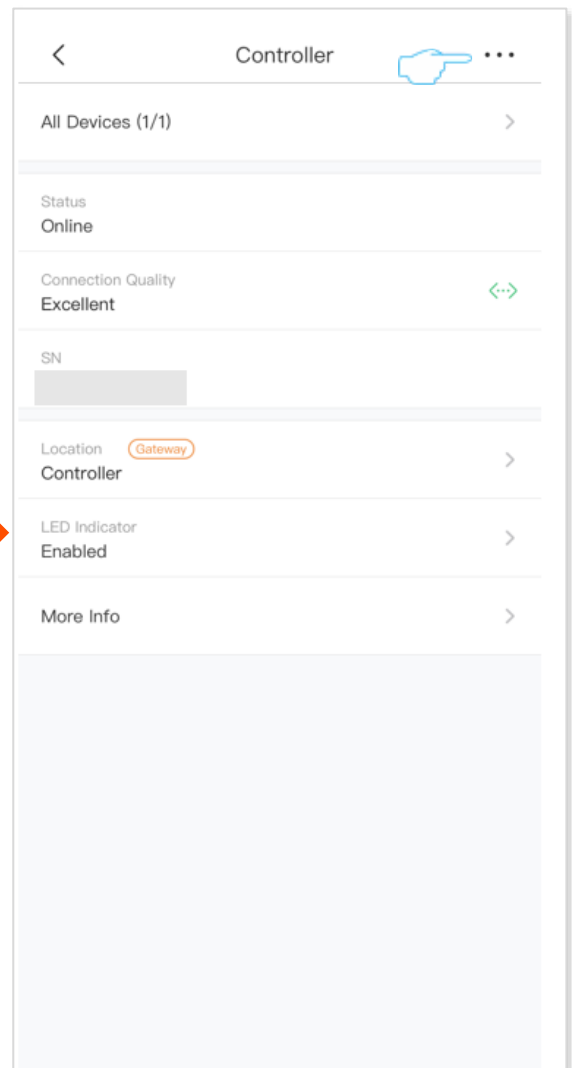
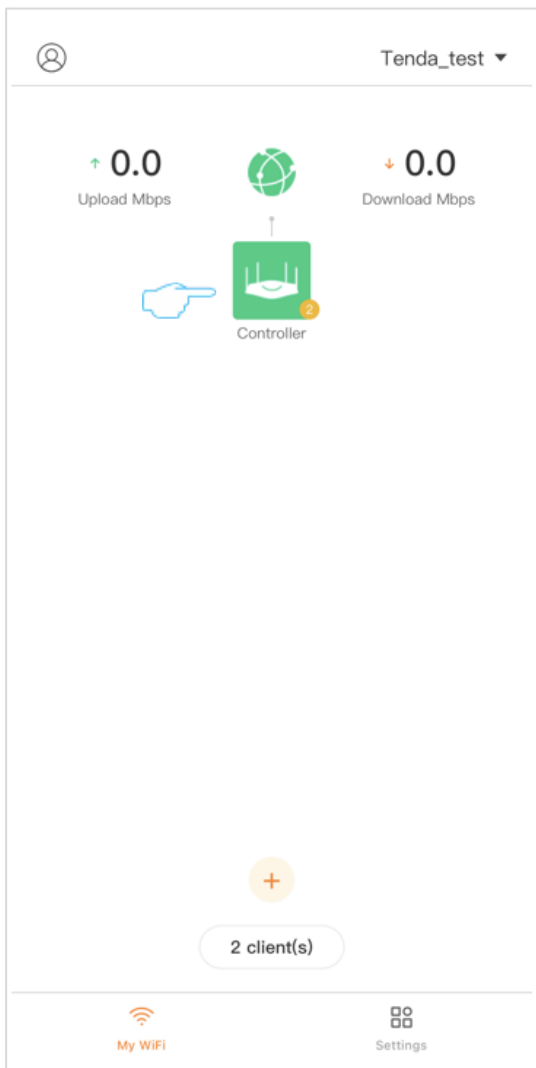
To avoid damage to the wireless router, ensure that the power supply of the wireless router is normal when restoring the wireless router to factory settings.

After the wireless router is restored to the factory settings, the default login IP address of the wireless router is 192.168.0.1.

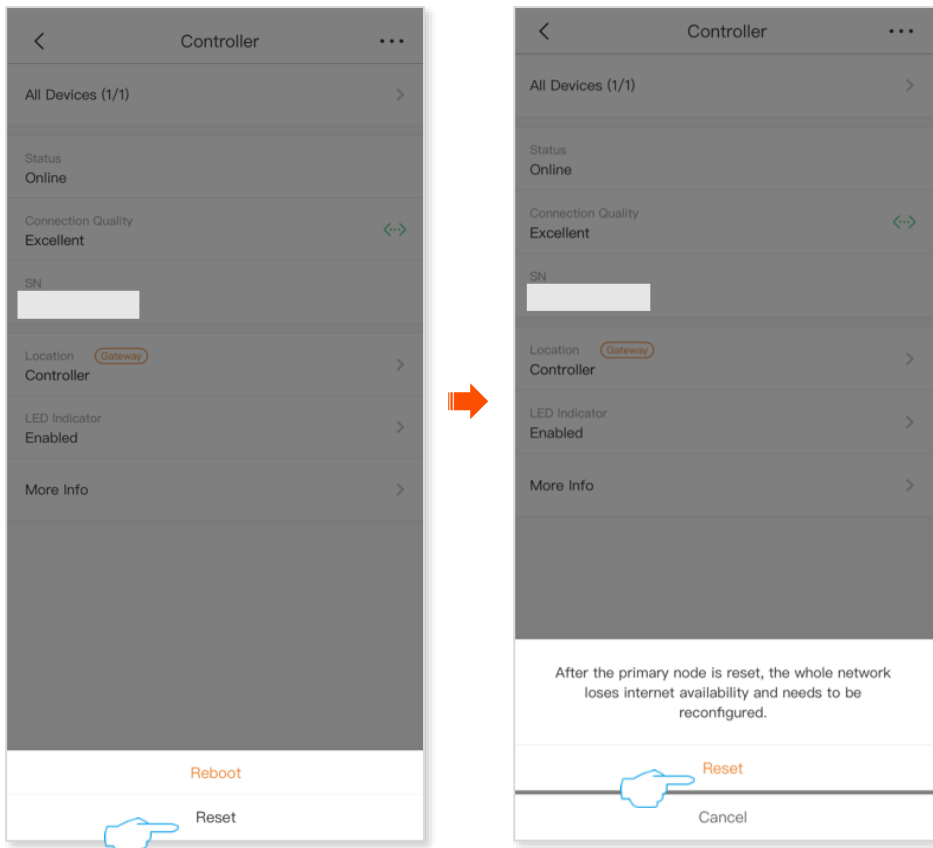
Method 1

Step 1 Run the **Tenda WiFi** App, and tap  on **My WiFi** page.

Step 2 Tap ● ● ● in the upper-right corner.



Step 3 Tap **Reset**, read the prompt message, and tap **Reset**.



---End

A reset message is displayed. Please wait a moment.

Method 2

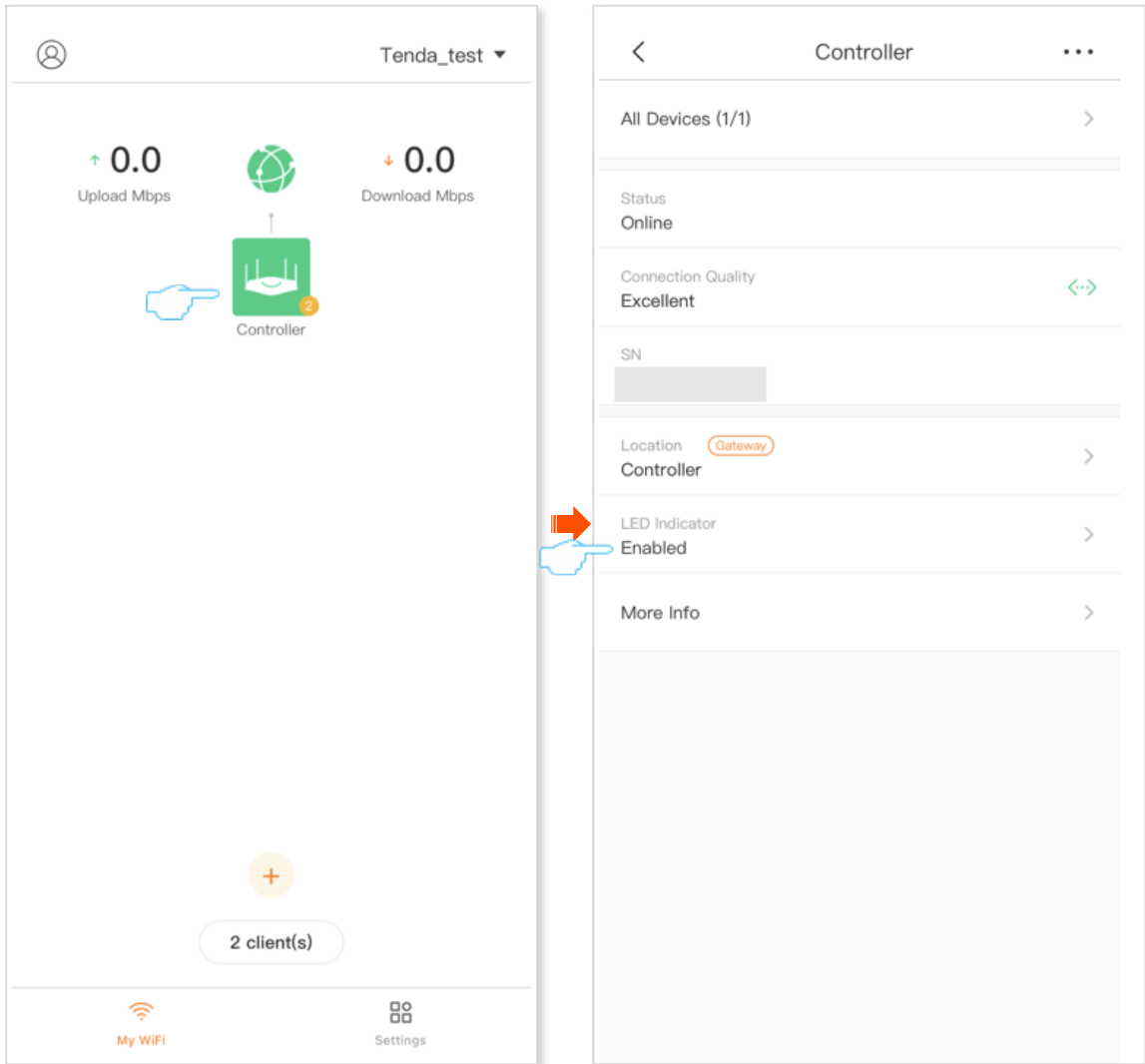
After the wireless router is started up, press and hold the reset button (such as RESET, Reset, WPS/RST, Wi-Fi/RST) on the wireless router for about 8 seconds and release it. The wireless router will restore to factory settings.



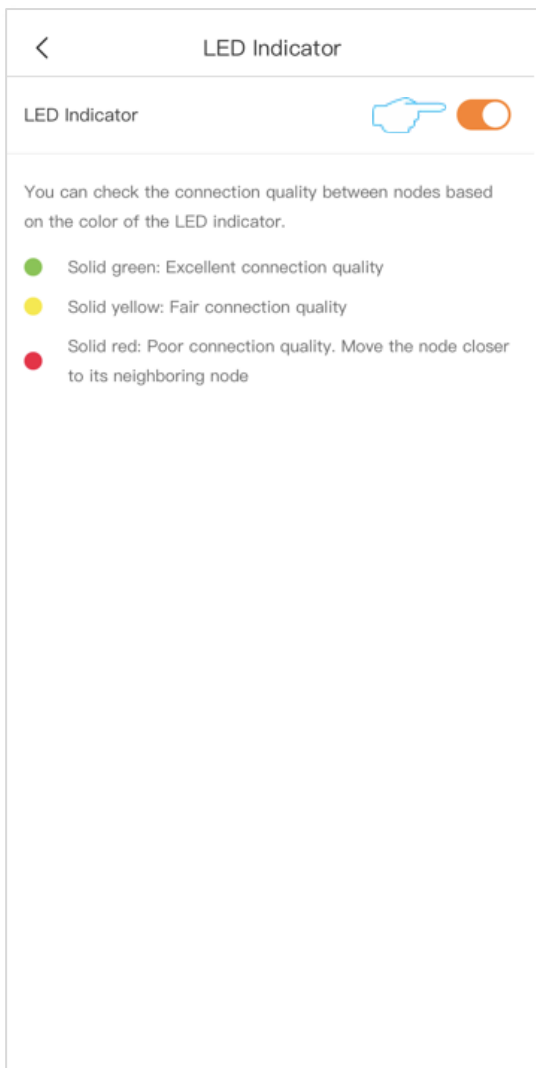
Turn on/off the LED indicator of the device

Method 1

Step 1 Run the Tenda WiFi App, tap  on **My WiFi** page, and tap **LED Indicator**.



Step 2 Turn on or turn off the LED indicator as required.

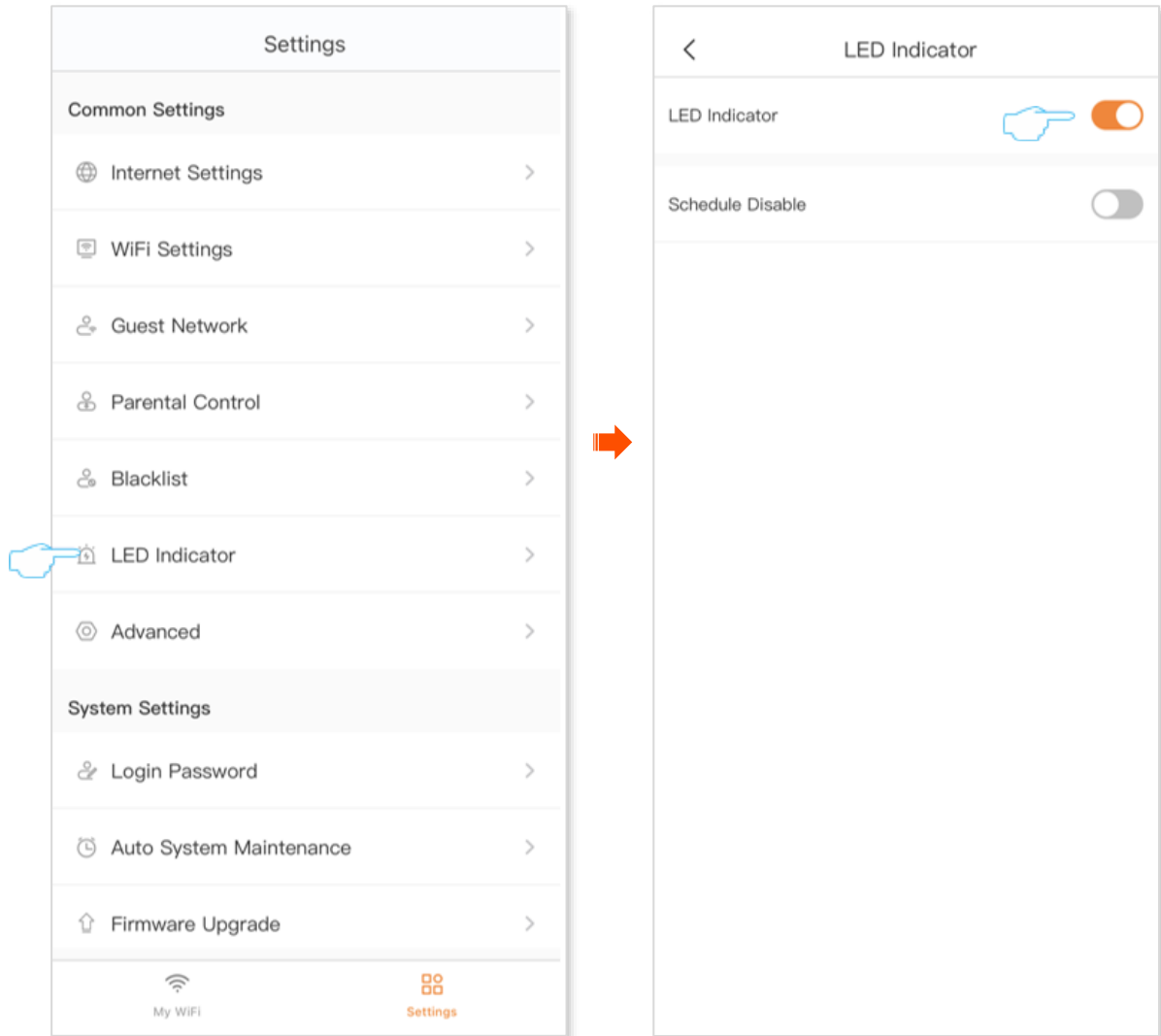


---End

Method 2

Step 1 Run the **Tenda WiFi** App, and enter the **Settings** page.

Step 2 Tap **LED Indicator**, and turn on or turn off the LED indicator as required.

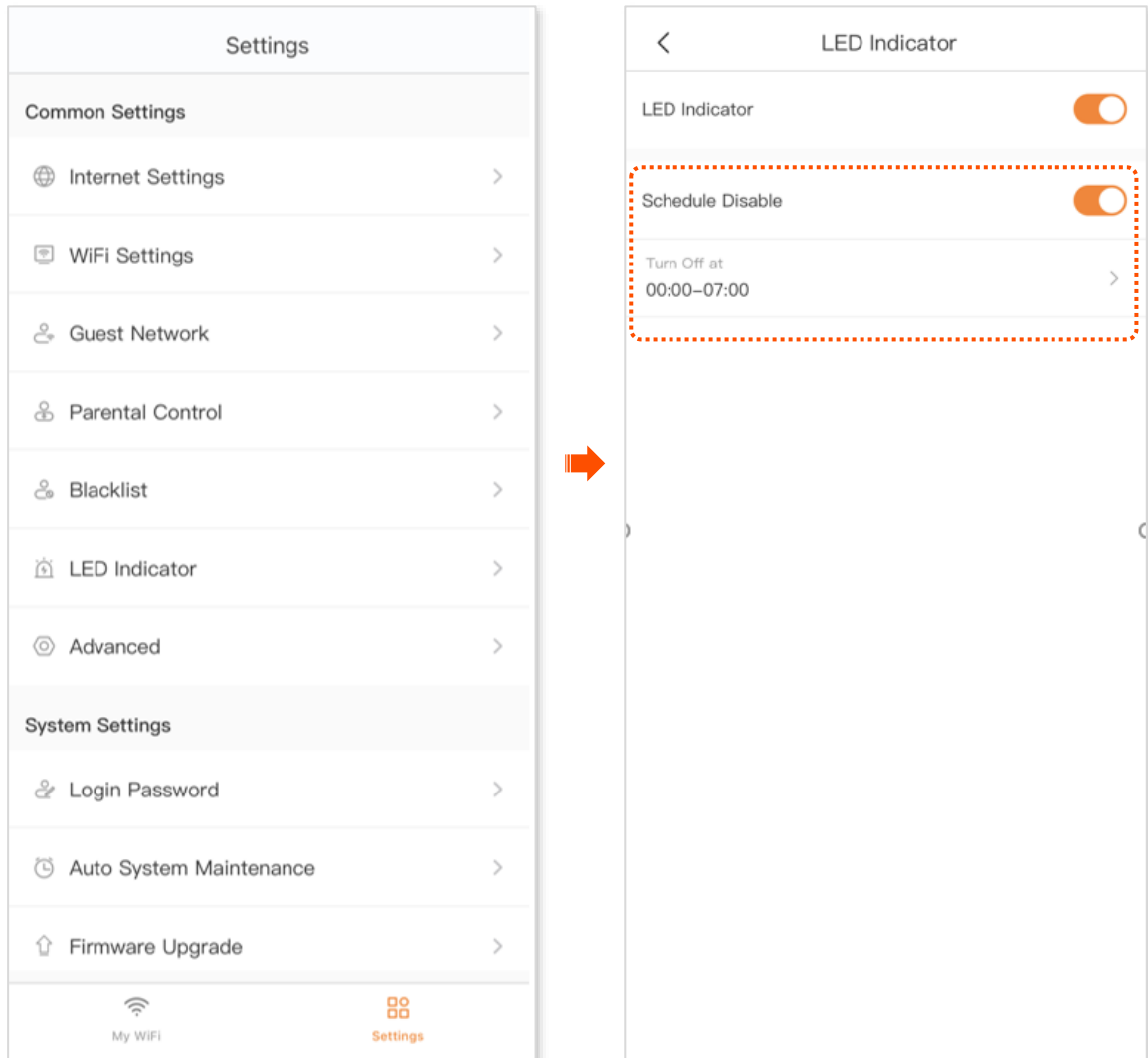


Schedule disable the LED indicator of the device

Step 1 Run the **Tenda WiFi** App, and enter the **Settings** page.

Step 2 Tap **LED Indicator**.

Step 3 Enable the **Schedule Disable**, and tap **Turn Off at**.



Step 4 Set the period for disabling the LED indicator of the wireless router and tap **Save**. The following figure is for reference only.

The screenshot shows a mobile application interface titled "Turn Off at". At the top, there is a back arrow and the title. Below the title, there are two fields: "Start Time" with the value "07:00" and "End Time" with the value "22:00". A horizontal line is positioned between these two fields. Below this, there is a table of time intervals. The first column shows the start of the interval (20, 21, 22, 23, 00) and the second column shows the end of the interval (59, 59, 00, 01, 02). The row with "22" and "00" is highlighted with a grey background. At the bottom of the screen, there is an orange button labeled "Save".

--End

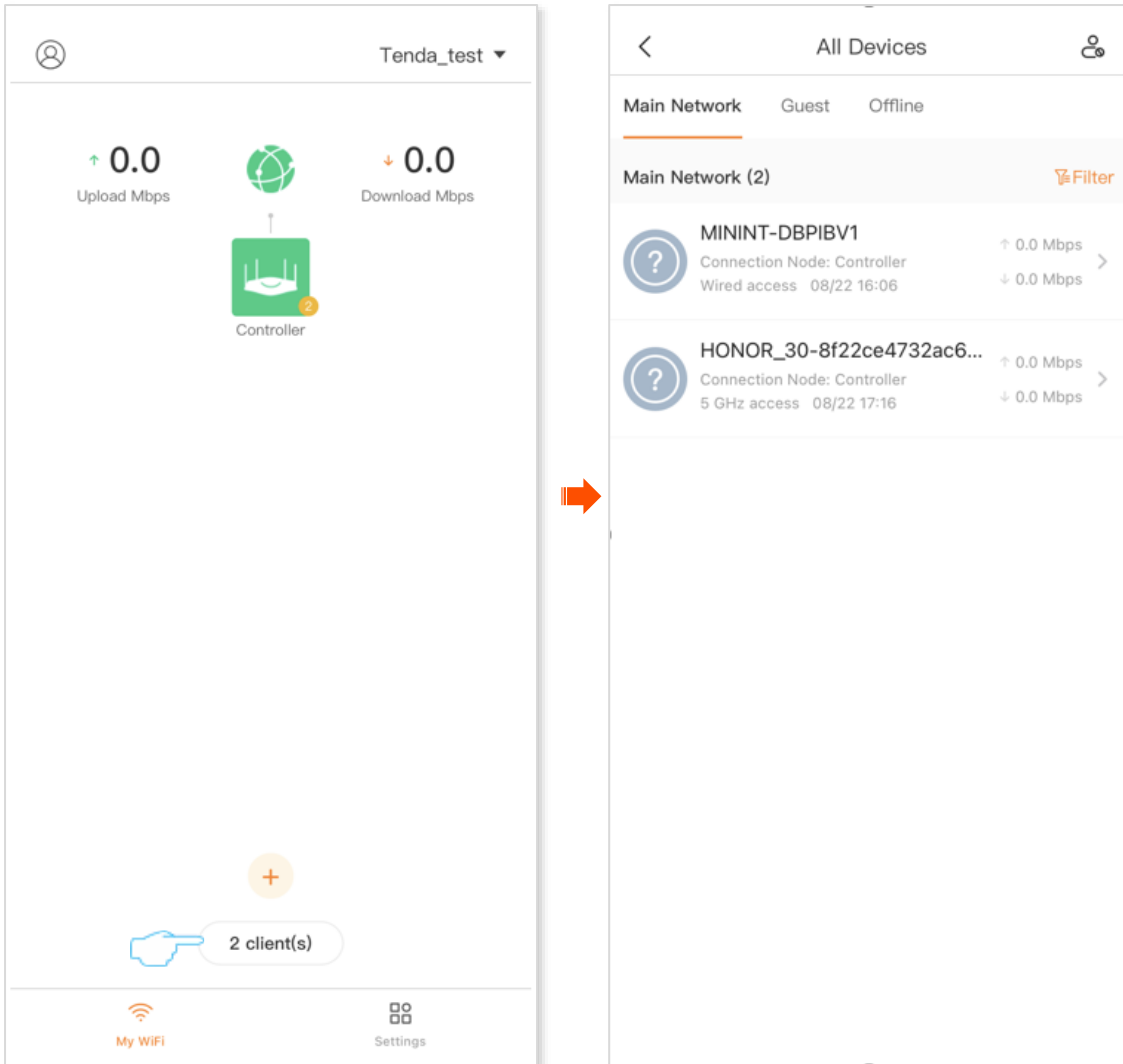
After the setting is complete, the LED indicator of the wireless router indicator will be turned off during the set **Turn Off at**.








If the wireless router supports Mesh networking and has been networked with other Mesh devices, the LED indicators of all nodes are disabled during the set **Turn Off at**.

View and manage connected clients

Tap **X client(s)** (X indicates the number of connected clients) on the **My WiFi** page.



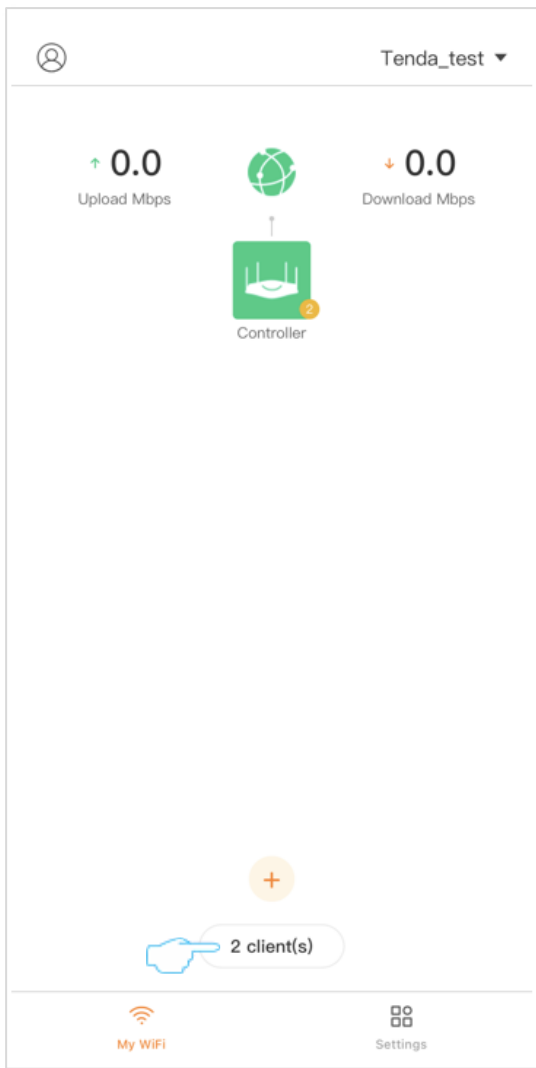
Parameter description

Parameter	Description
Main Network	<p>Specifies the information about the clients currently connected to the wireless router's main network, including the device name (some devices display MAC addresses), the name of the connected node, access method, access time, and upload/download rate.</p> <p>Tap the clients to perform detailed settings, including modifying remarks, setting the family group, limiting the upload/download rate, viewing the details of the terminal device, and adding a blacklist.</p> <p> TIP</p> <p>The client with icon  in the lower-right corner of the device icon is the device that manages the wireless router and cannot be added to the blacklist</p>
Guest	<p>Specifies the information about the clients currently connected to the guest WiFi, including the device name (some devices display MAC addresses), the name of the connected node, access method, access time, and upload/download rate.</p> <p>You can tap the client to perform detailed settings, including modifying remarks, viewing details about the terminal device, and adding a blacklist.</p>
Offline	<p>Specifies the information about clients connected to the wireless network of the wireless router, including the device name (some devices display MAC addresses), offline time, and MAC address.</p>
 Filter	Used to display the client based on filtering conditions.
 Delete	Used to delete selected offline devices.
	Used to view, add, or remove the blacklist/whitelist

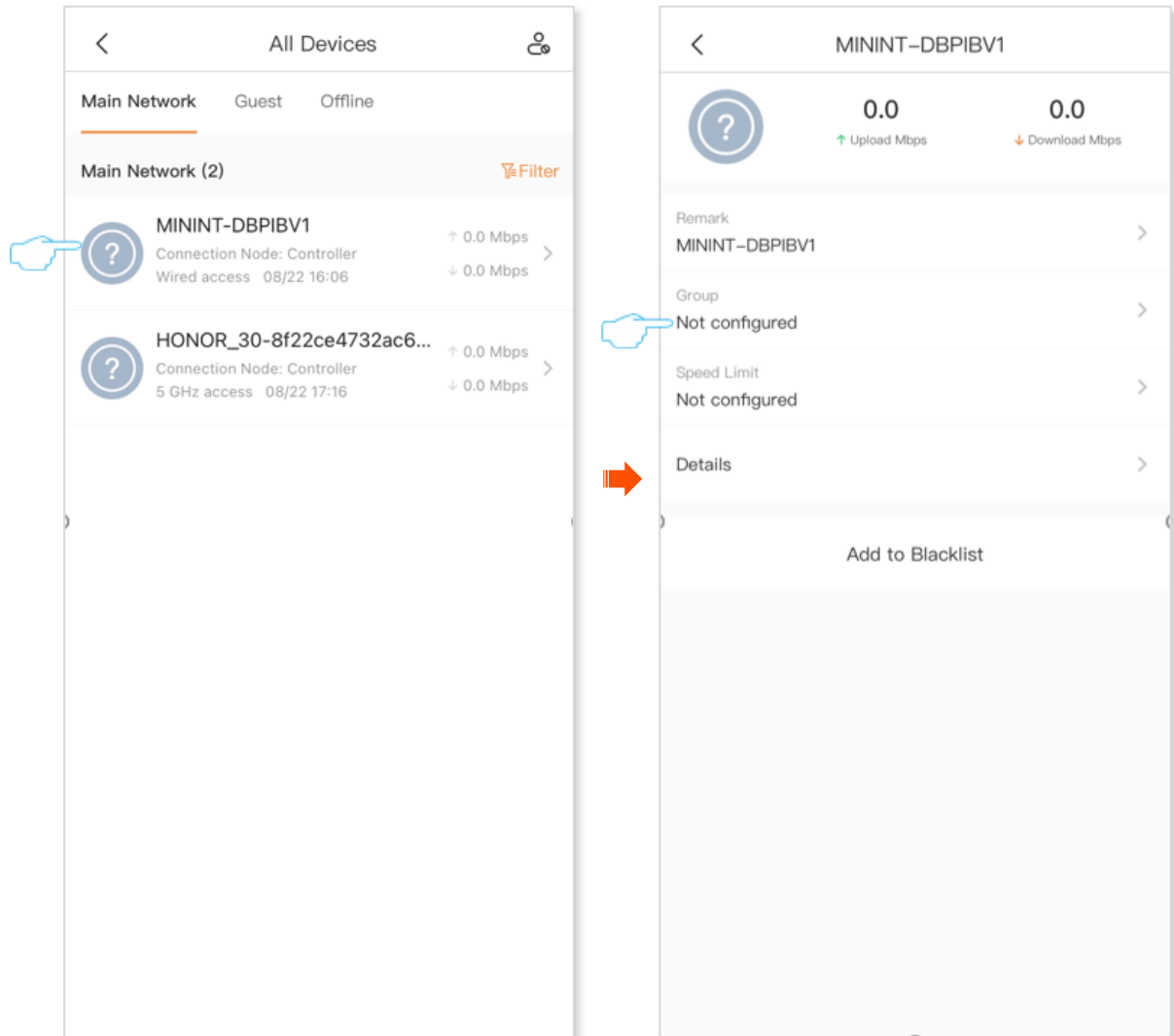
Set the family group to which the clients belongs

The family group, that is, the parental control rule group. [Parental control rules](#) can set the internet access permission of the clients, including internet access time, allowed/prohibited websites, and so on. After a client is added to a family group, the client will be restricted by the family group.

Step 1 Run the **Tenda WiFi** App. On the **My WiFi** page, tap **X client(s)** at the bottom.

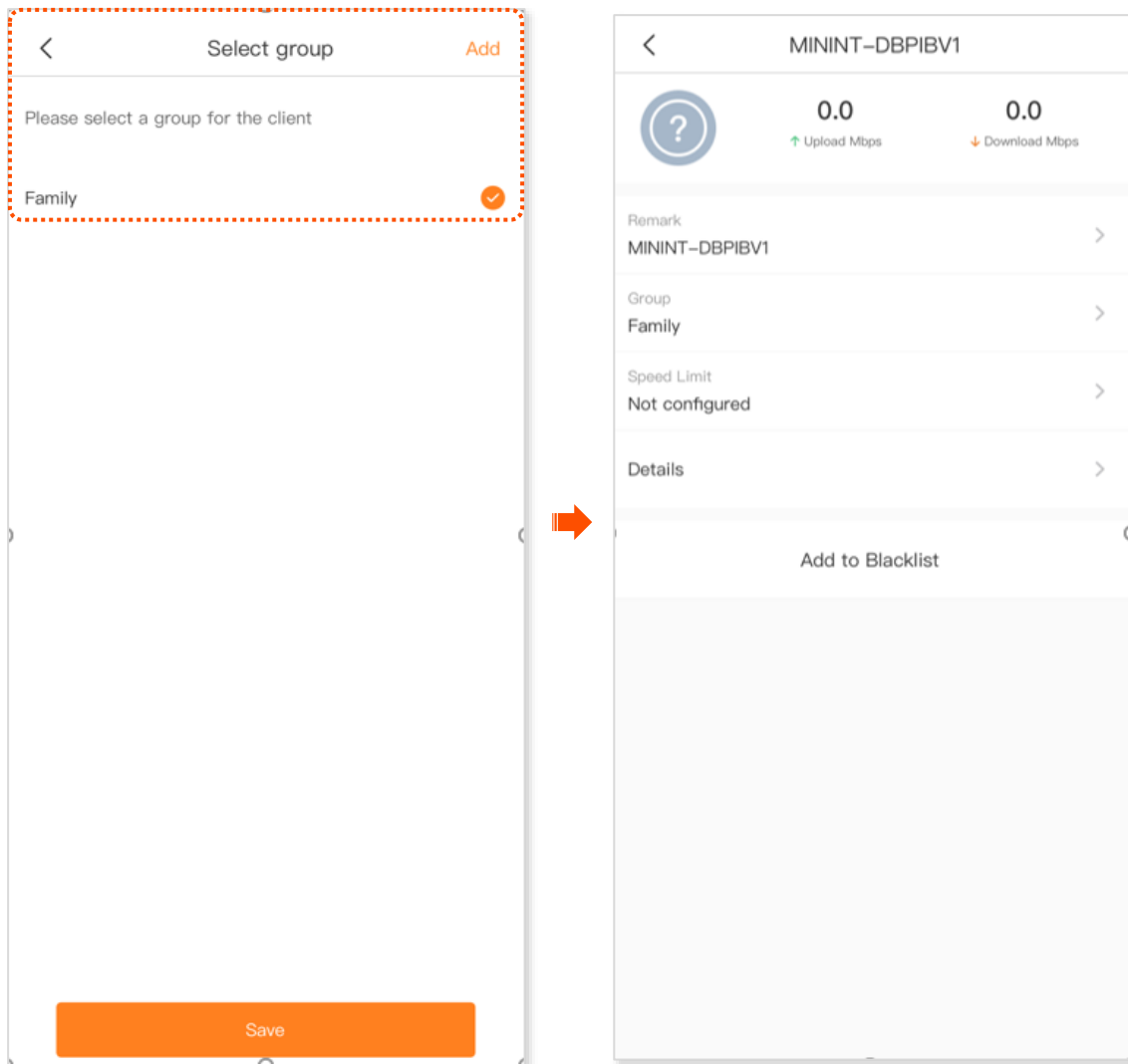


Step 2 Locate the client that you want to add to the family group, and tap **Group** to which the client belongs. The following figure is for reference only.



Step 3 Set the family group to which the client is to join. The following figure is for reference only.

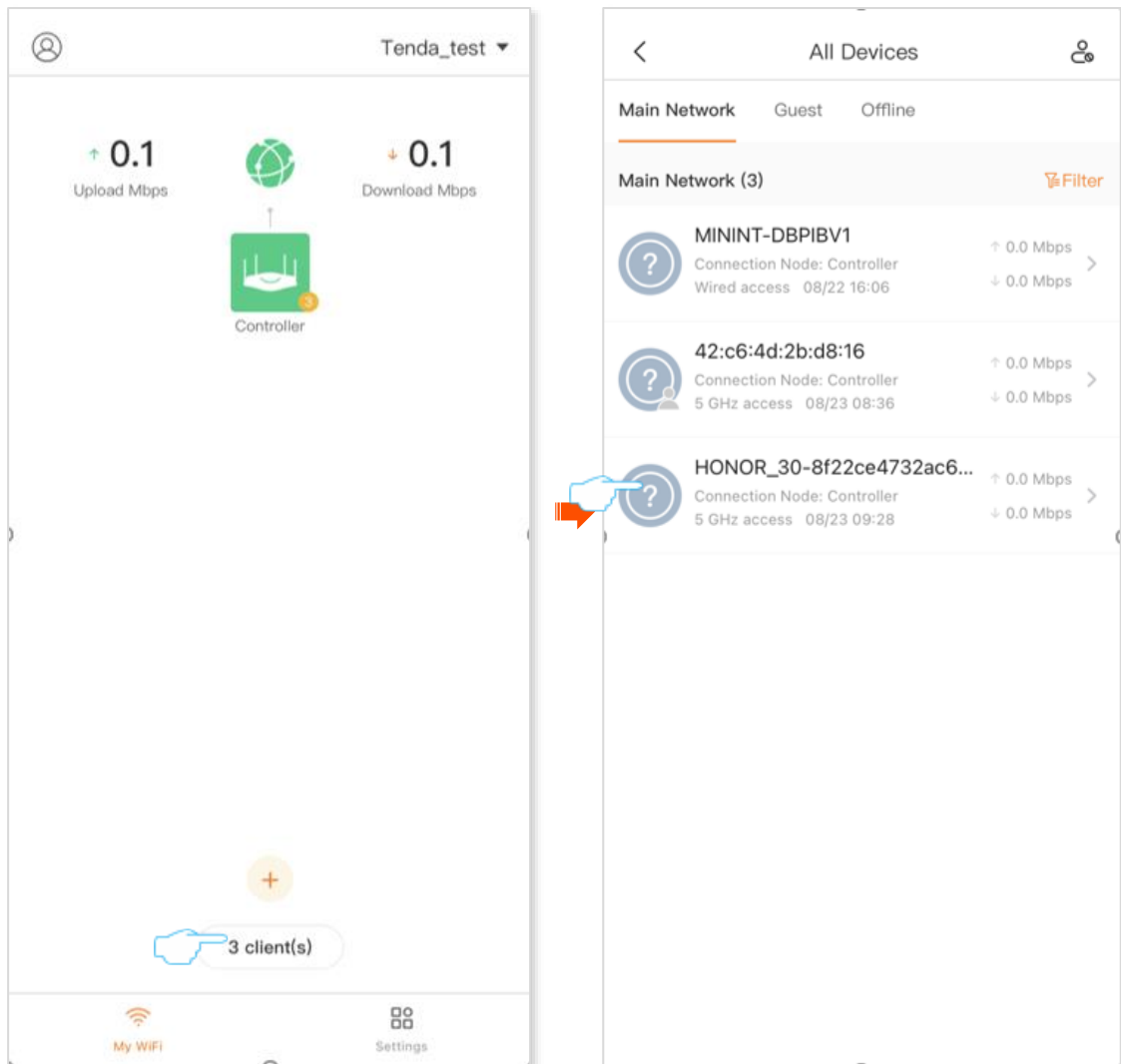
- If a parental control rule has been added in advance, find the corresponding parental control rule to join.
- If you did not pre-add a parental control rule, Tap **Add Group** or **Add** in the upper-right corner, then set the family group name. You also need to set the parental control rules for the family group, see [Parental Control](#) for details.



---End

Set the maximum upload/download rate of the client

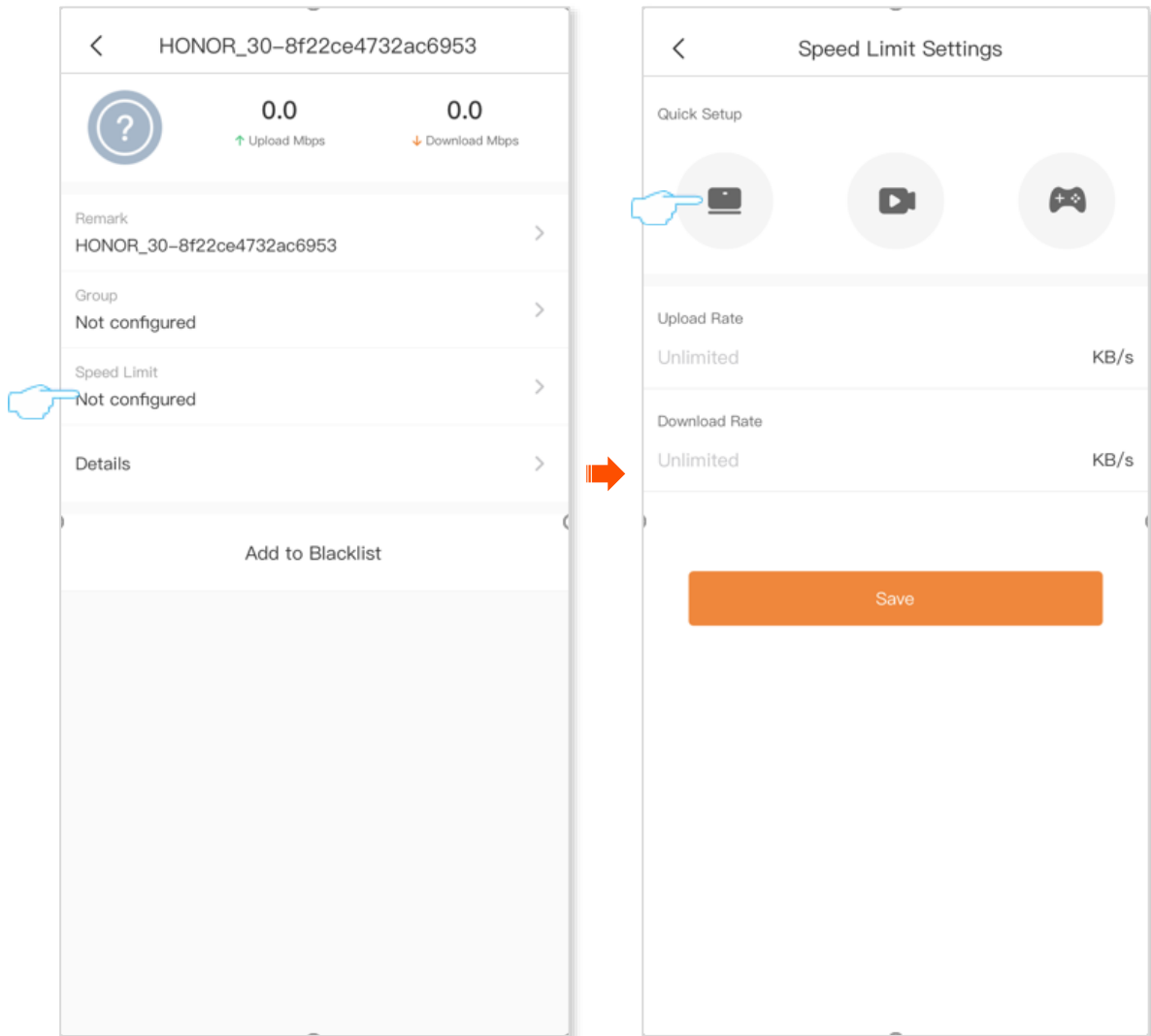
Step 1 Run the **Tenda WiFi** App. On the **My WiFi** page, tap the **X client(s)** at the bottom of the page, and target and tap the client to limit the rate. The following figure is for reference only.



Step 2 Tap **Speed Limit**.

Step 3 Set the maximum upload/download rate of the client. In the **Quick Setup**, you can select the application to be restricted (including web browsing, video and games), the corresponding upload/download speed limit will be automatically filled in, you can also customize.

Step 4 Tap **Save**.




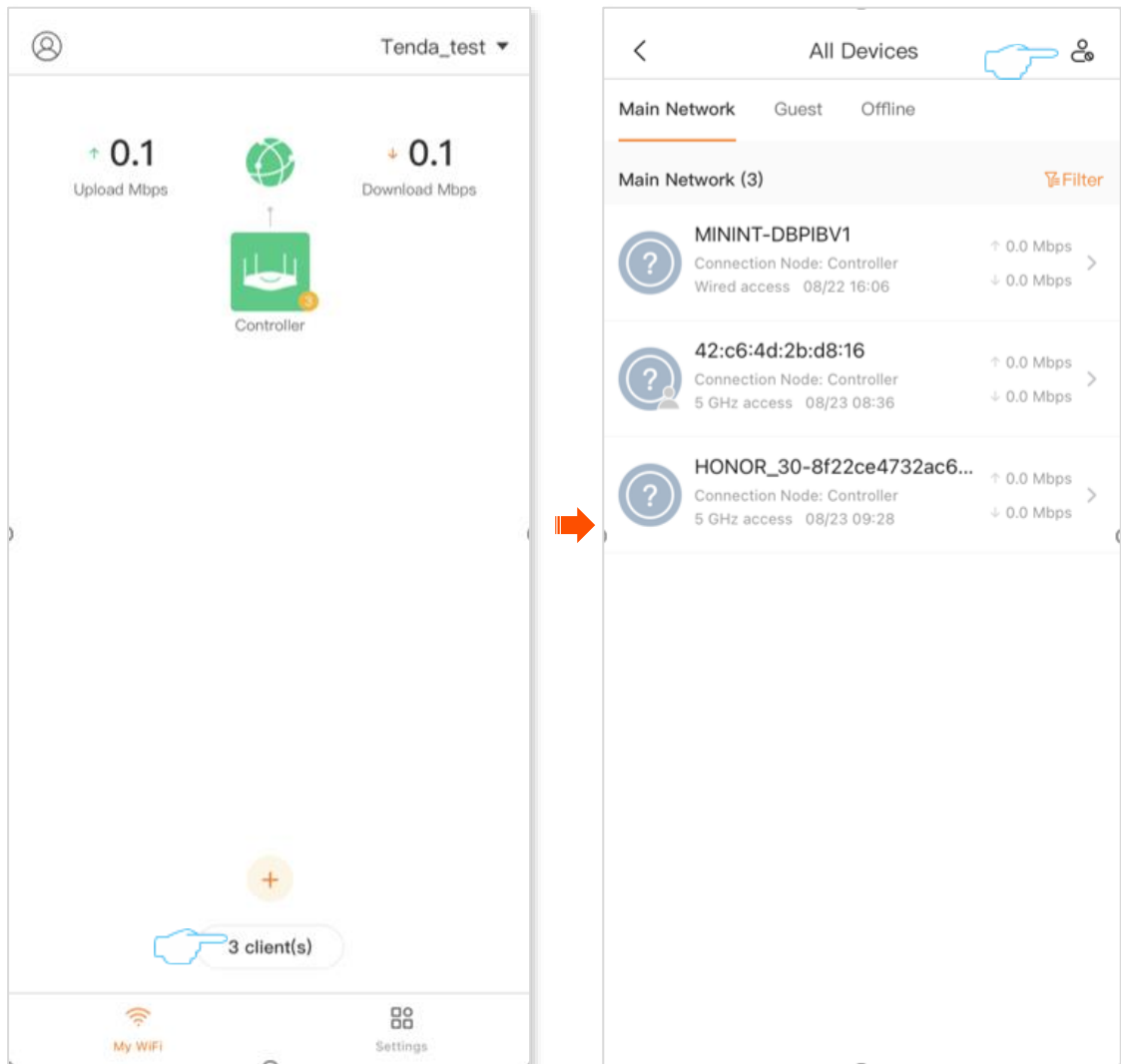
---End

Add to blacklist

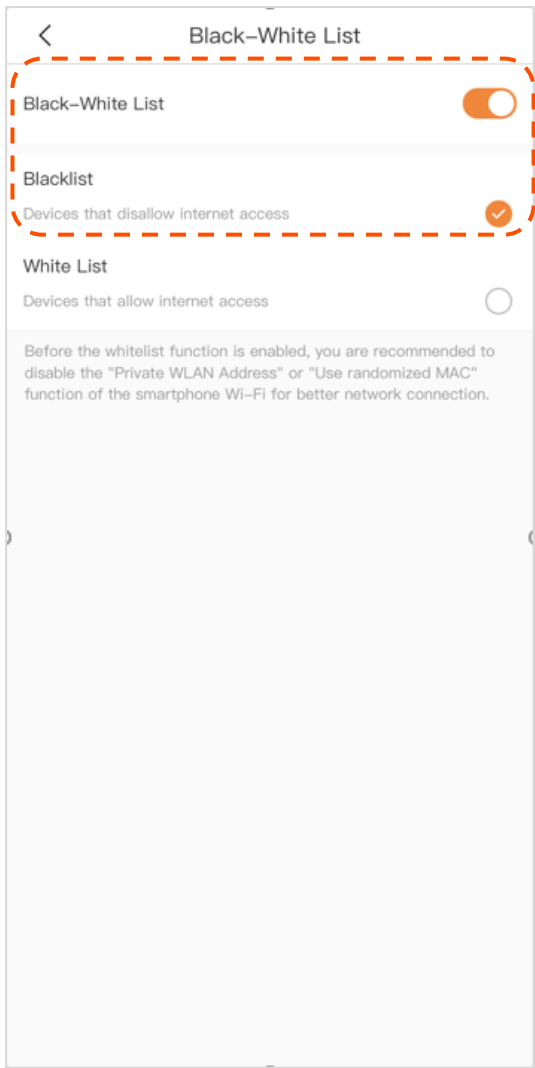
Blacklisted devices cannot access the internet through the wireless router.

Method 1 (Example: RX12 ProV2.0)

Step 1 Run the **Tenda WiFi App**. On the **My WiFi** page, tap the **X client(s)** at the bottom of the page, and then tap  in the upper-right corner.



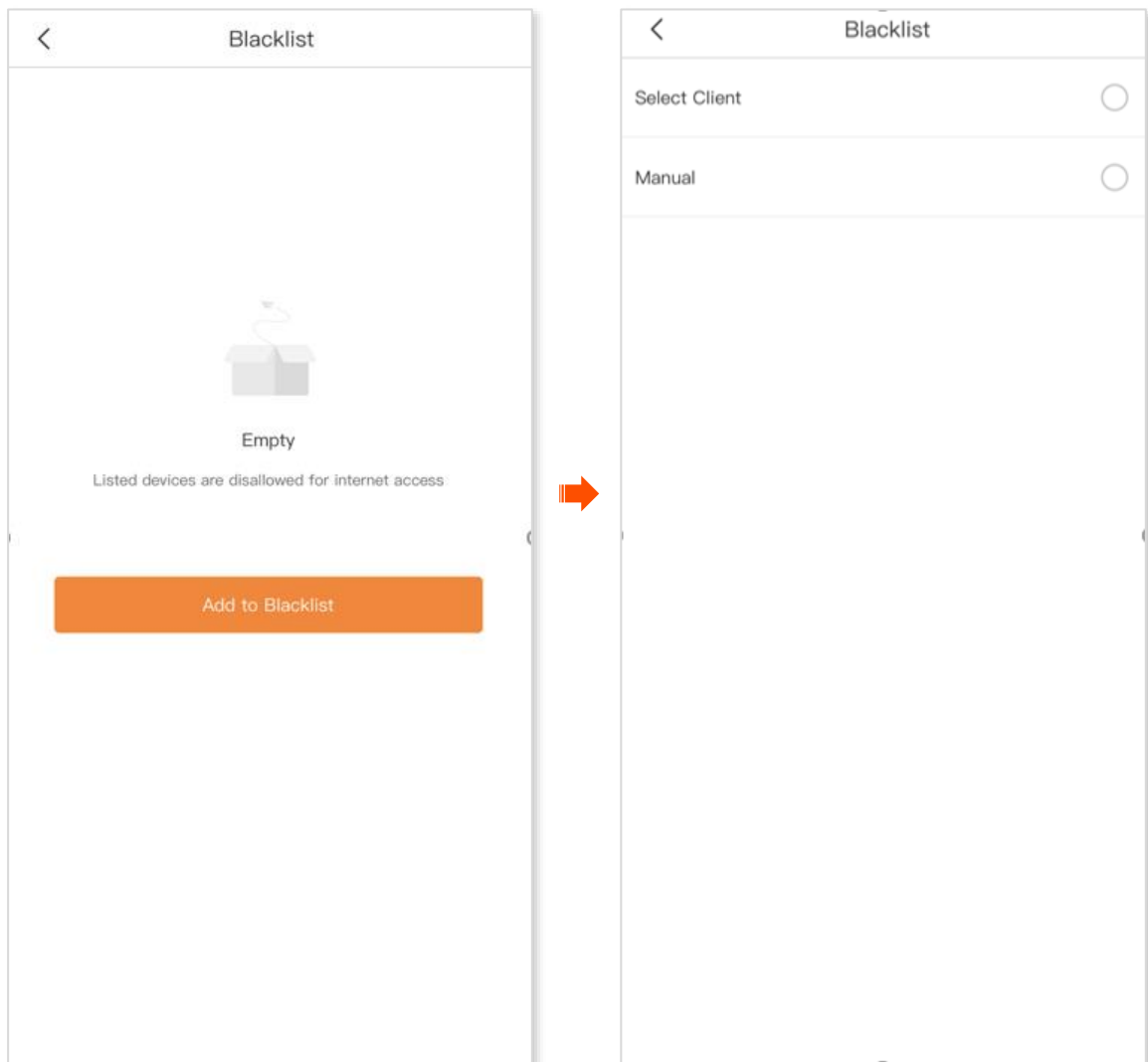
Step 2 Enable **Black-White List**, and tap **Blacklist**.



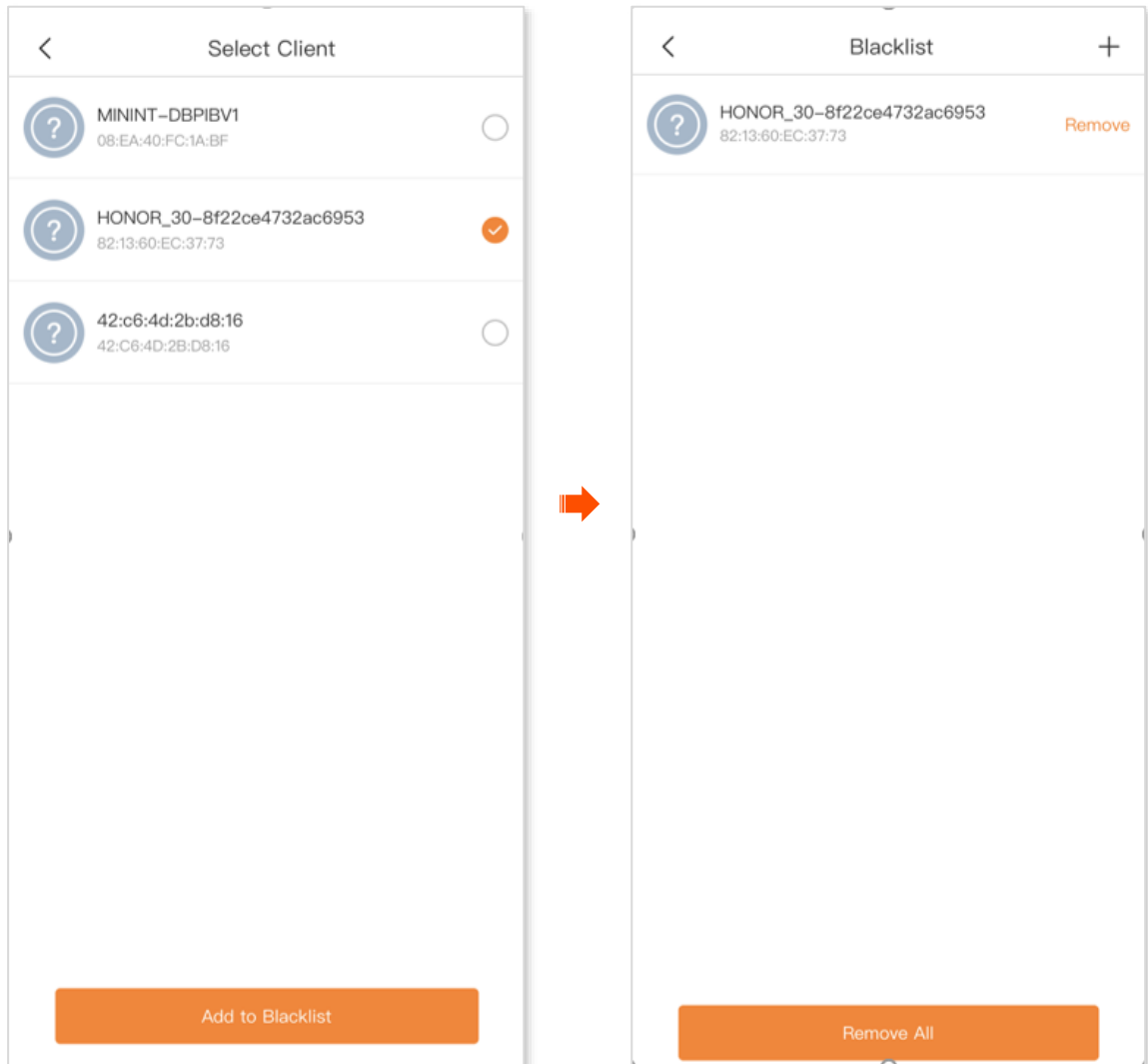
Step 3 Tap **Add to Blacklist** or **+** in the upper-right corner.

Step 4 Select the method for adding the blacklist.

- **Select client:** Select the client to be added to the blacklist from all clients (including the main network device, guest device, and offline device).
- **Manual:** Manually enter information about the clients to be added to the blacklist, including the device name and MAC address.



Step 5 Select the client to be added to the blacklist and tap **Add to Blacklist**. The **Select Client** is taken as an example. The following figure is for reference only.

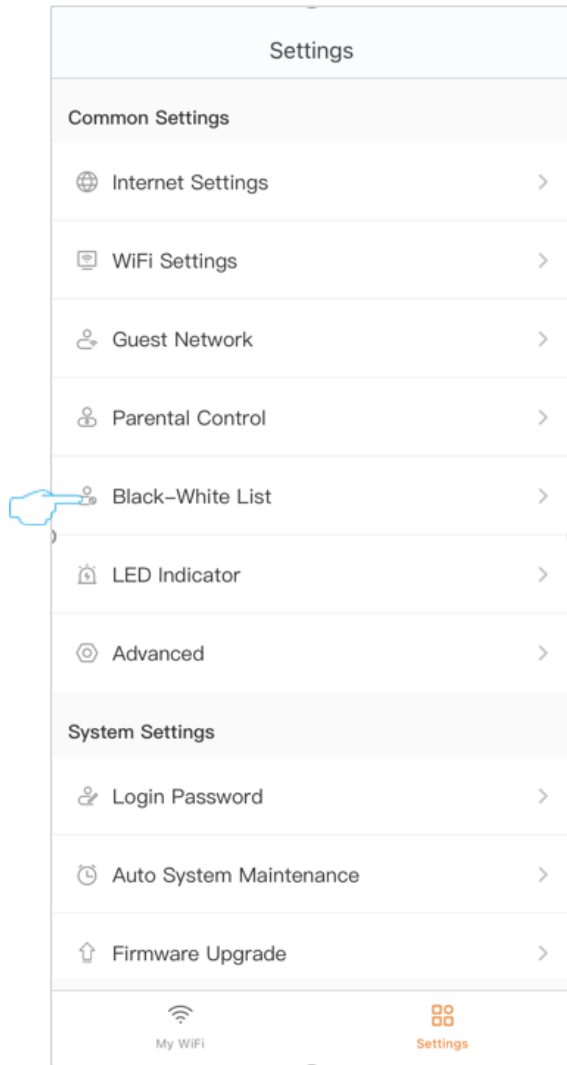


---End

Method 2

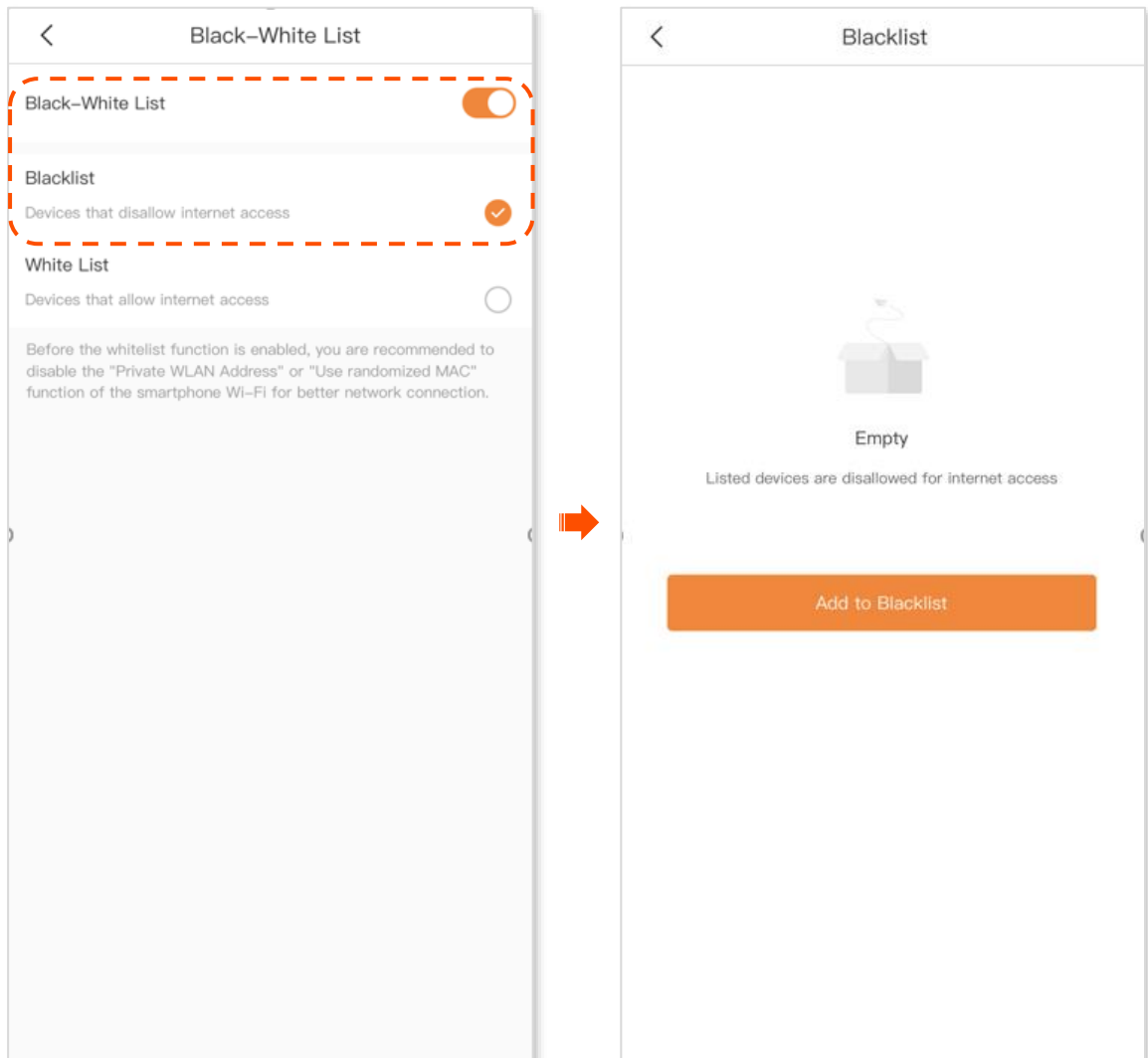
Step 1 Run the **Tenda WiFi** App, and enter the **Settings** page.

Step 2 Tap **Black-White List**.



Step 3 Enable **Black-White List**, and tap **Blacklist**.

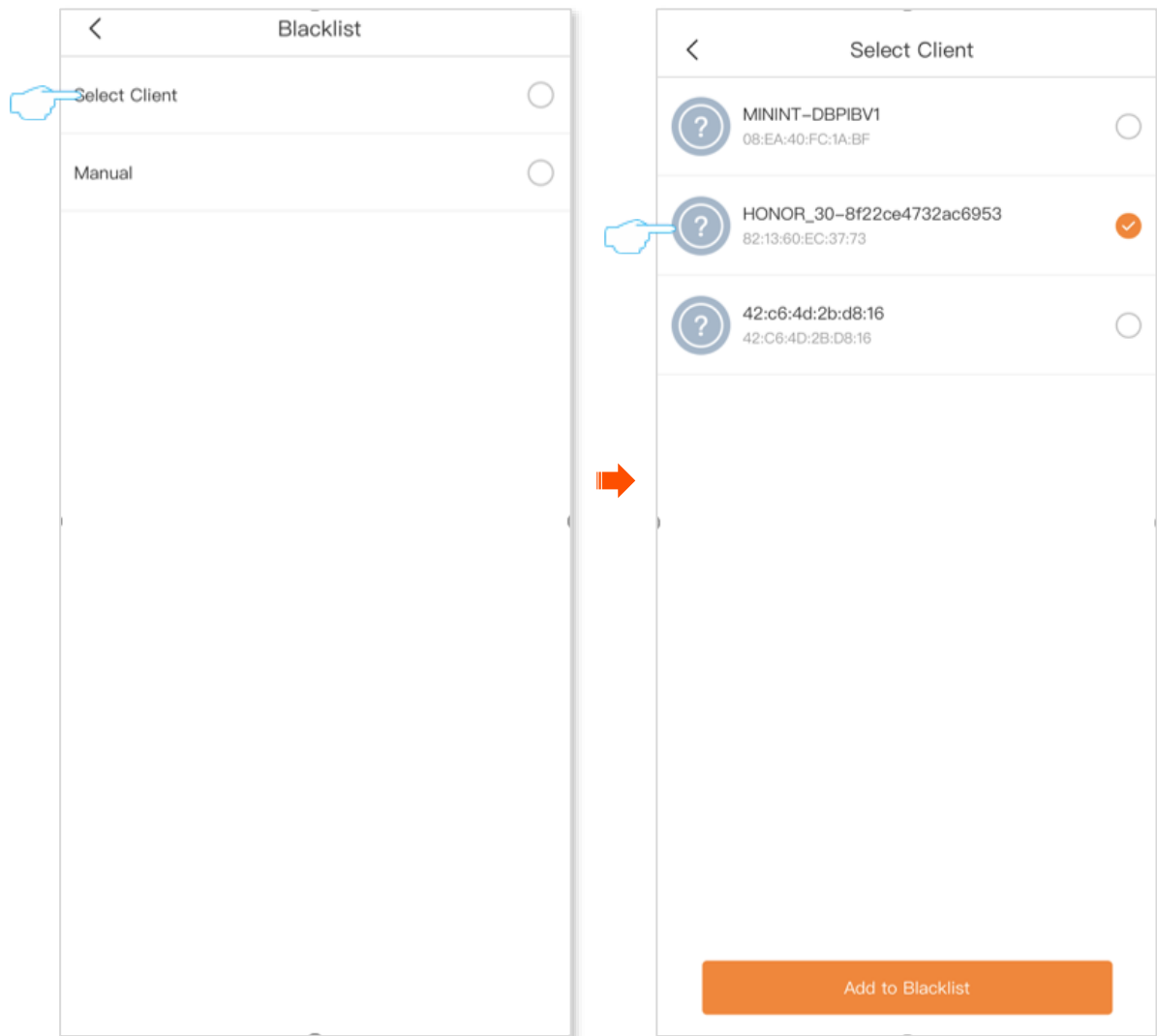
Step 4 Tap **Add to Blacklist** or **+** in the upper-right corner.



Step 5 Tap **Add to Blacklist** or **+** in the upper-right corner.

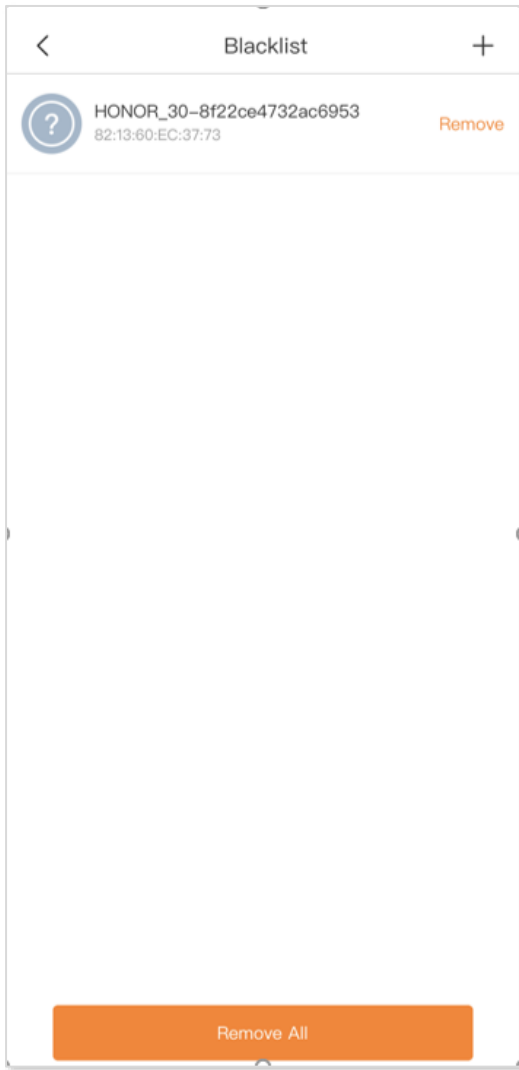
Step 6 Select the method for adding the blacklist.

- Select client: Select the client to be added to the blacklist from all clients (including the main network device, guest device, and offline device).
- Manual: Manually enter information about the clients to be added to the blacklist, including the device name and MAC address.



---End


Added the device to the blacklist successfully.

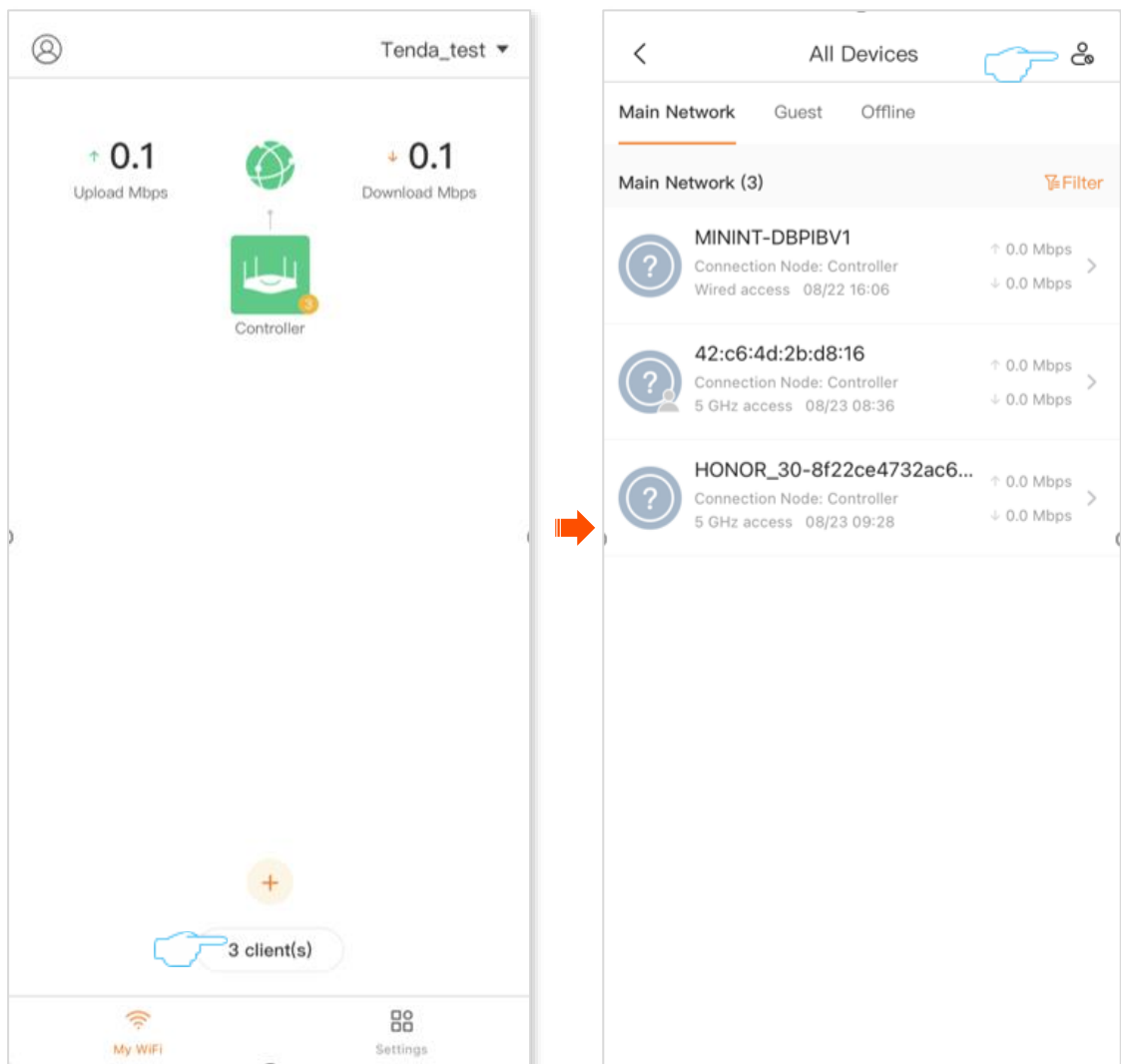


Add to whitelist (Example: RX12 Pro)

A whitelisted device can access the internet through the wireless router, but other devices cannot connect to the wireless router.

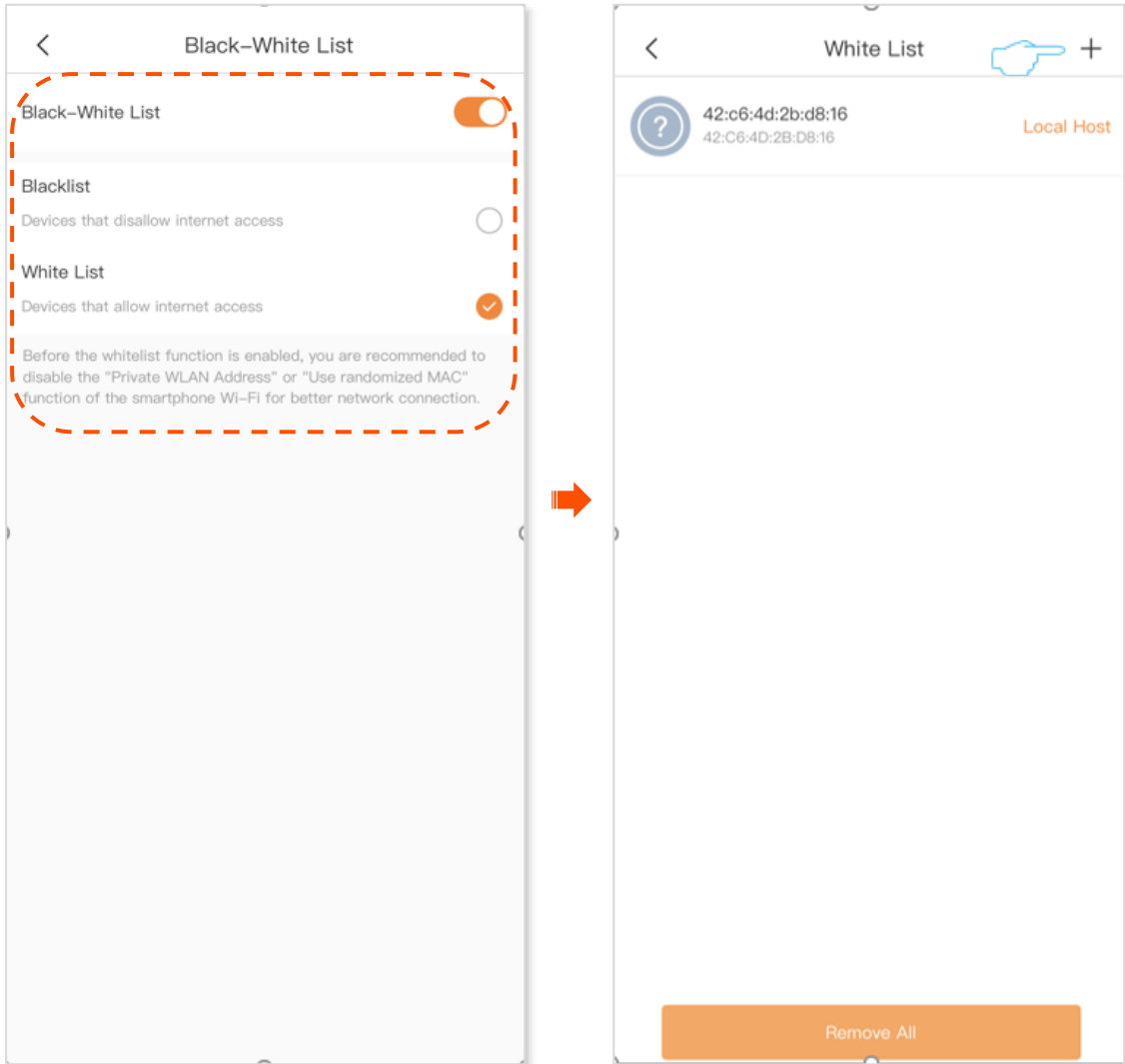
Method 1

Step 1 Run the **Tenda WiFi** App. On the **My WiFi** page, tap the **X client(s)** at the bottom of the page, and then tap  in the upper-right corner.



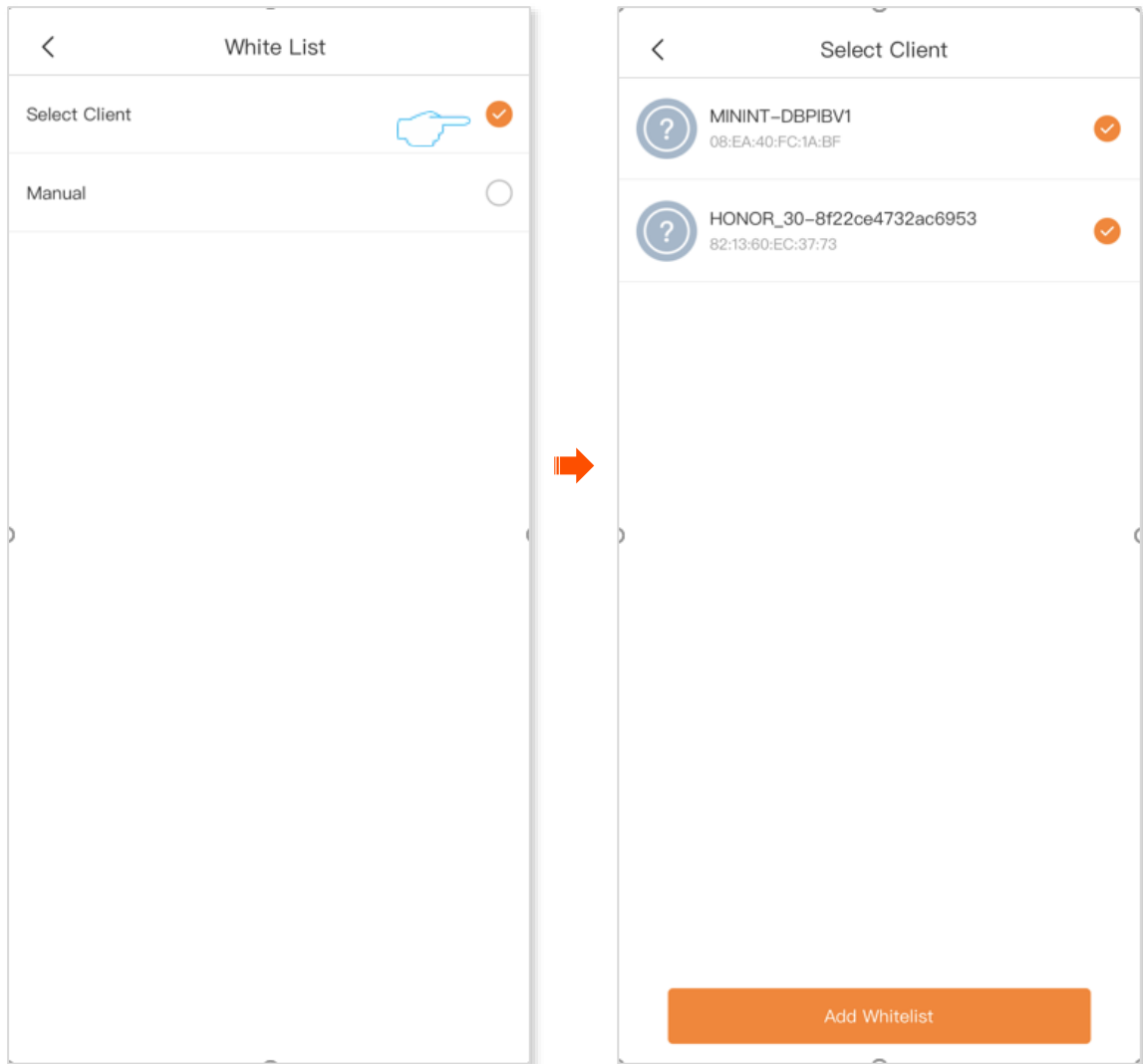
Step 2 Enable **Black-White List**, and tap **White List**.

Step 3 Tap **+** in the upper-right corner.

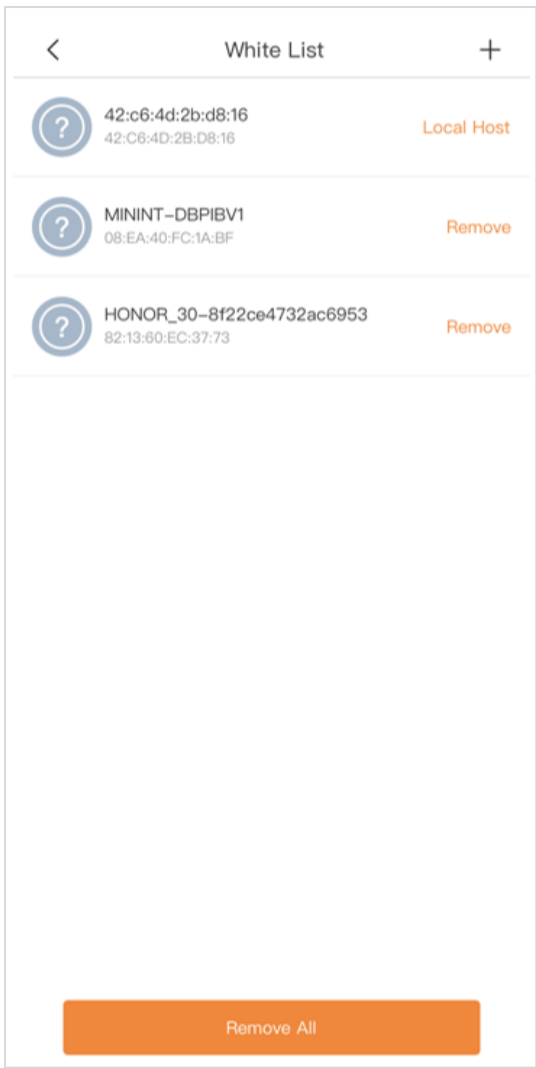


Step 4 Select the method for adding the blacklist.

- Select client: Select the client to be added to the blacklist from all clients (including the main network device, guest device, and offline device).
- Manual: Manually enter information about the clients to be added to the blacklist, including the device name and MAC address.

Step 5 Select the client to be added to the whitelist and tap **Add to Whitelist**. The **Select Client** is taken as an example. The following figure is for reference only.**---End**

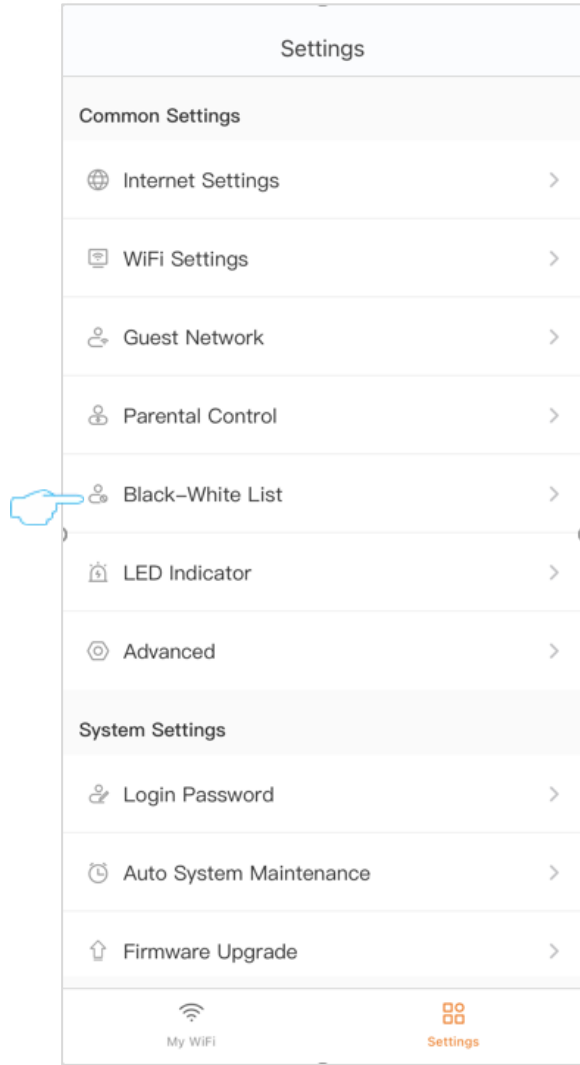
Added the device to the whitelist successfully.



Method 2

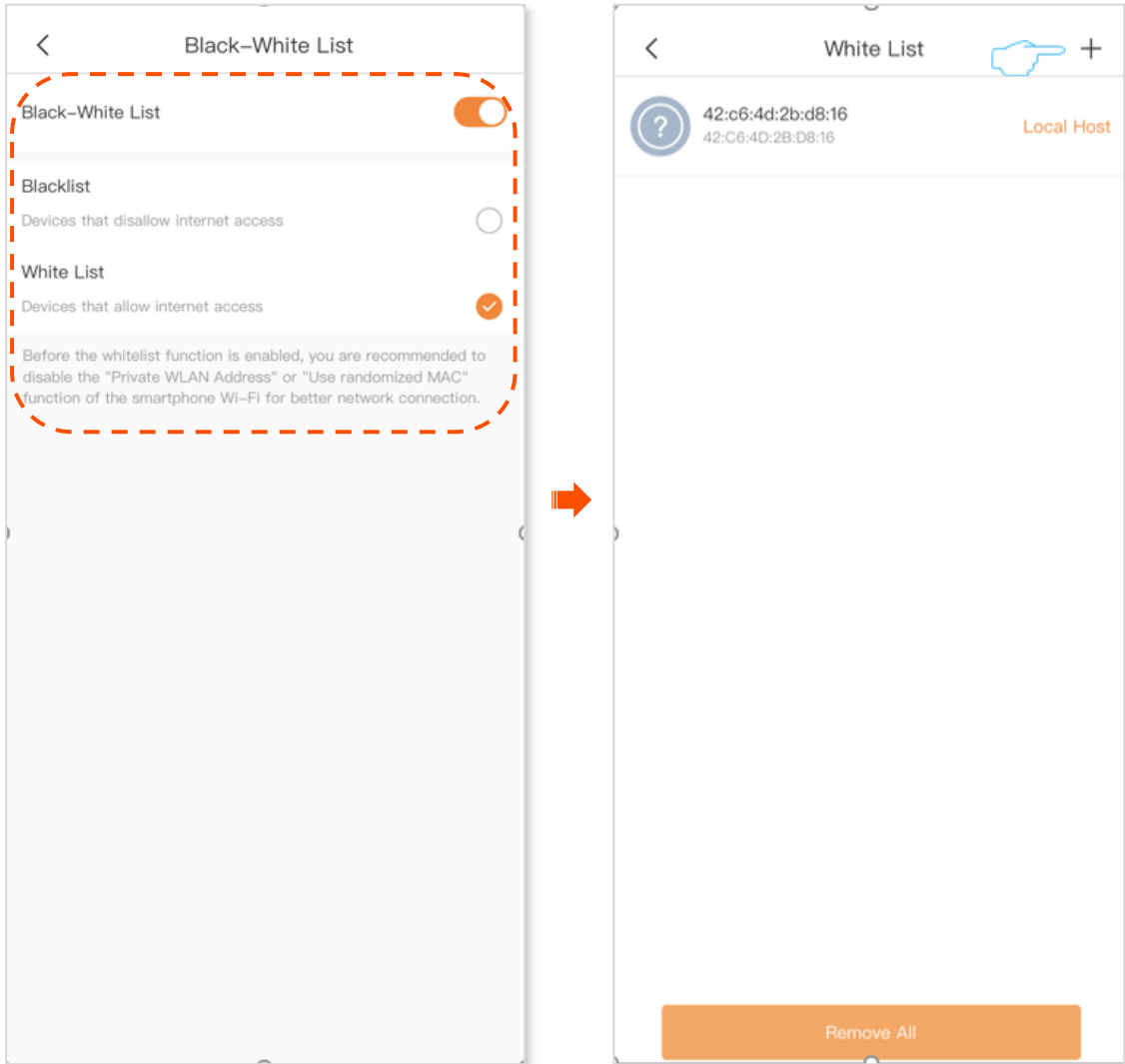
Step 1 Run the **Tenda WiFi** App, and enter the **Settings** page.

Step 2 Tap **Black-White List**.



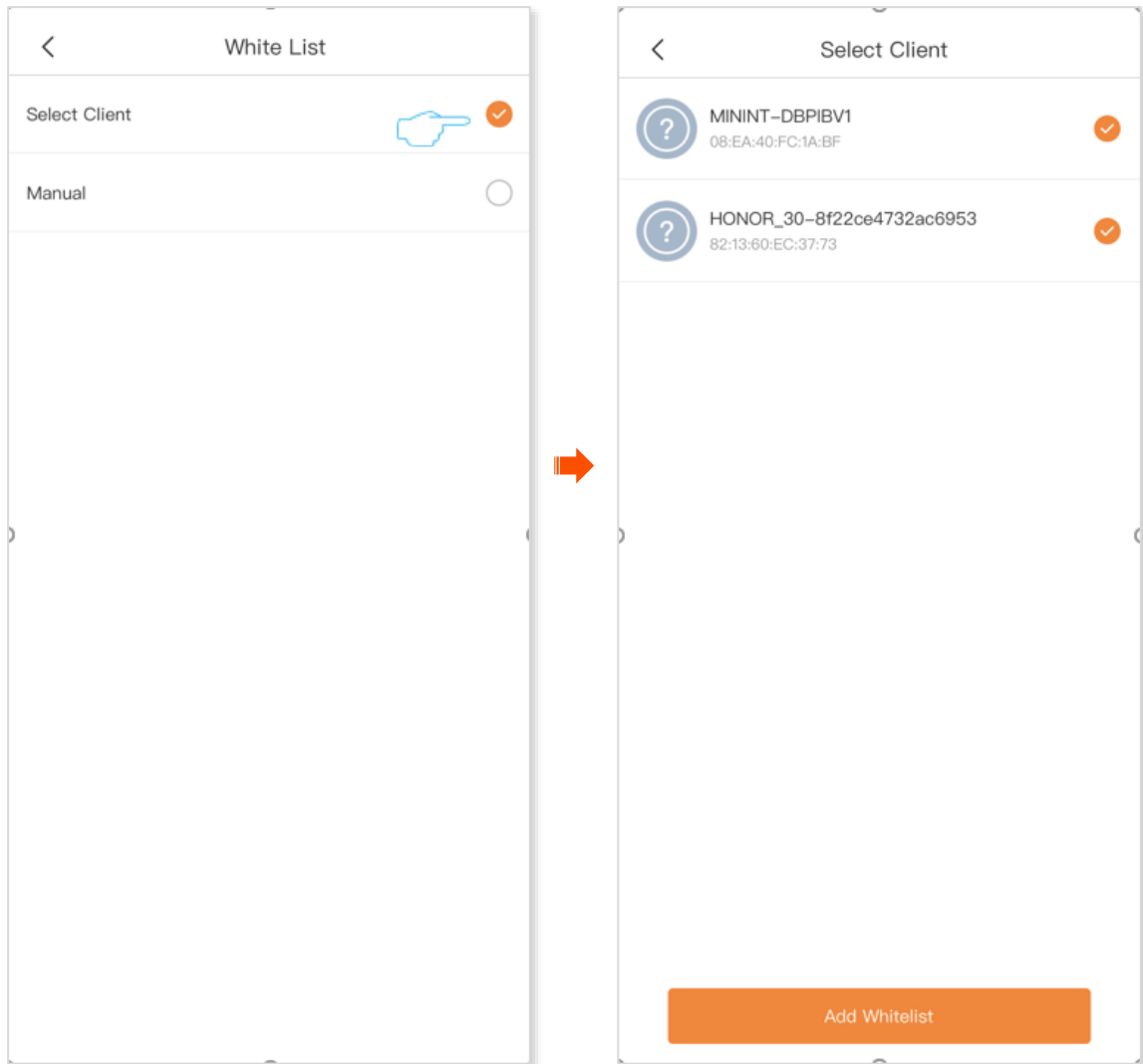
Step 3 Enable **Black-White List**, and tap **White List**.

Step 4 Tap **+** in the upper-right corner.

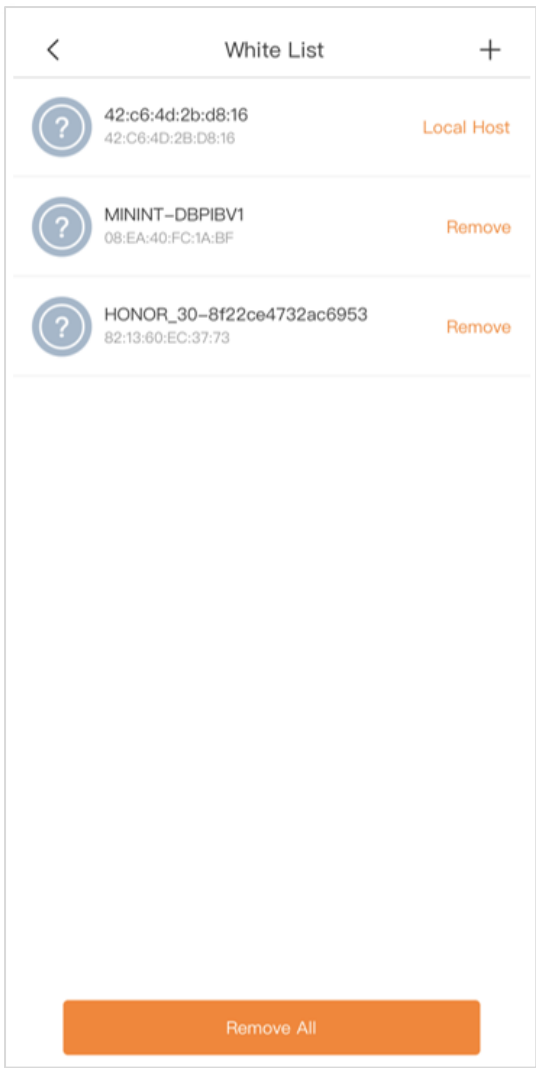


Step 5 Select the method for adding the blacklist.

- Select client: Select the client to be added to the blacklist from all clients (including the main network device, guest device, and offline device).
- Manual: Manually enter information about the clients to be added to the blacklist, including the device name and MAC address.

Step 6 Select the client to be added to the whitelist and tap **Add to Whitelist**. The **Select Client** is taken as an example. The following figure is for reference only.**---End**

Added the device to the whitelist successfully.




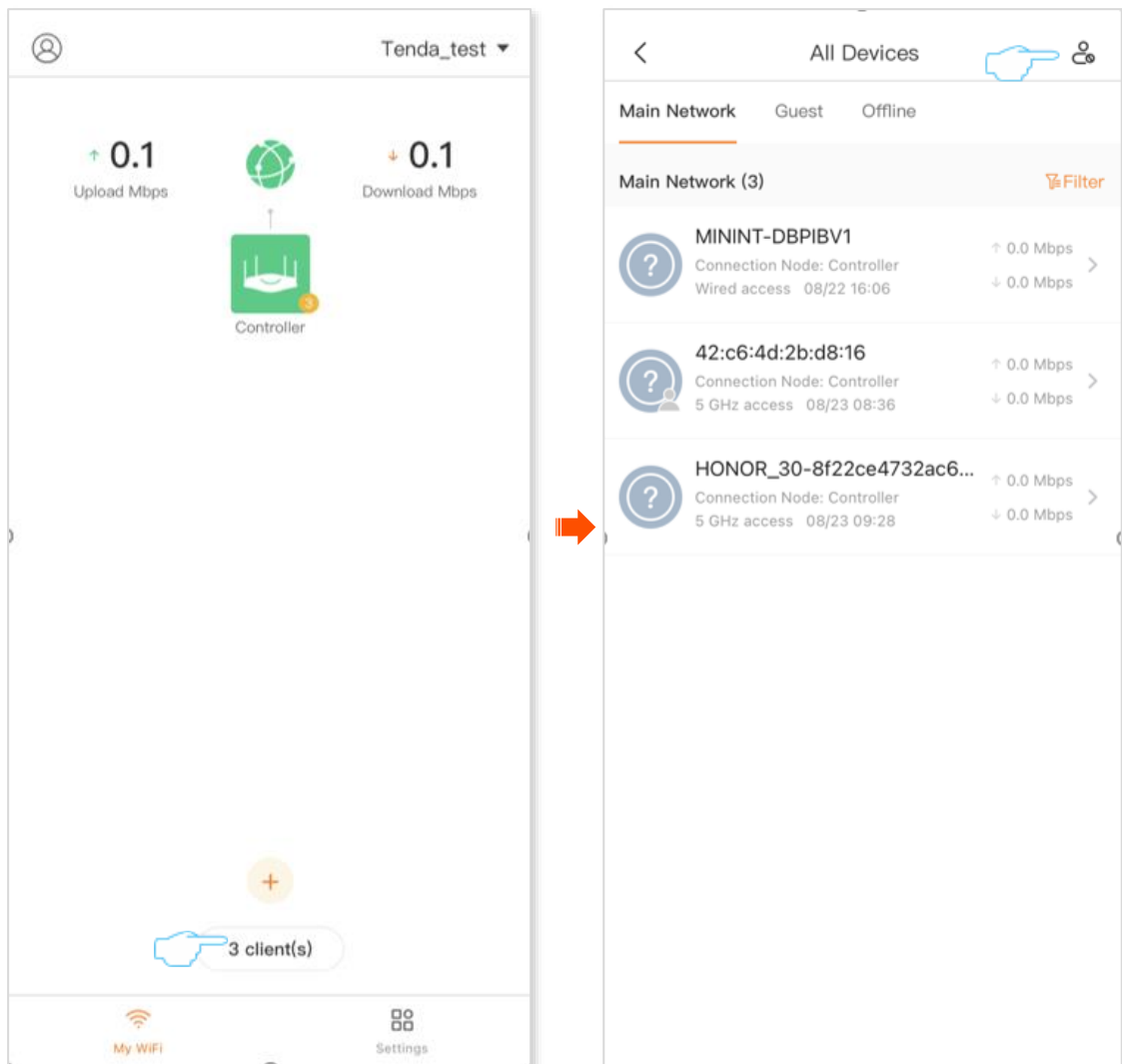
Remove the client from the blacklist/whitelist (Example: RX12 ProV2.0)

Devices removed from the blacklist can be reconnected to the wireless router for internet access. The device removed from the whitelist cannot connect to the wireless router.

The operation of removing the blacklist or whitelist is similar. Remove the client from the blacklist is taken as an example here.

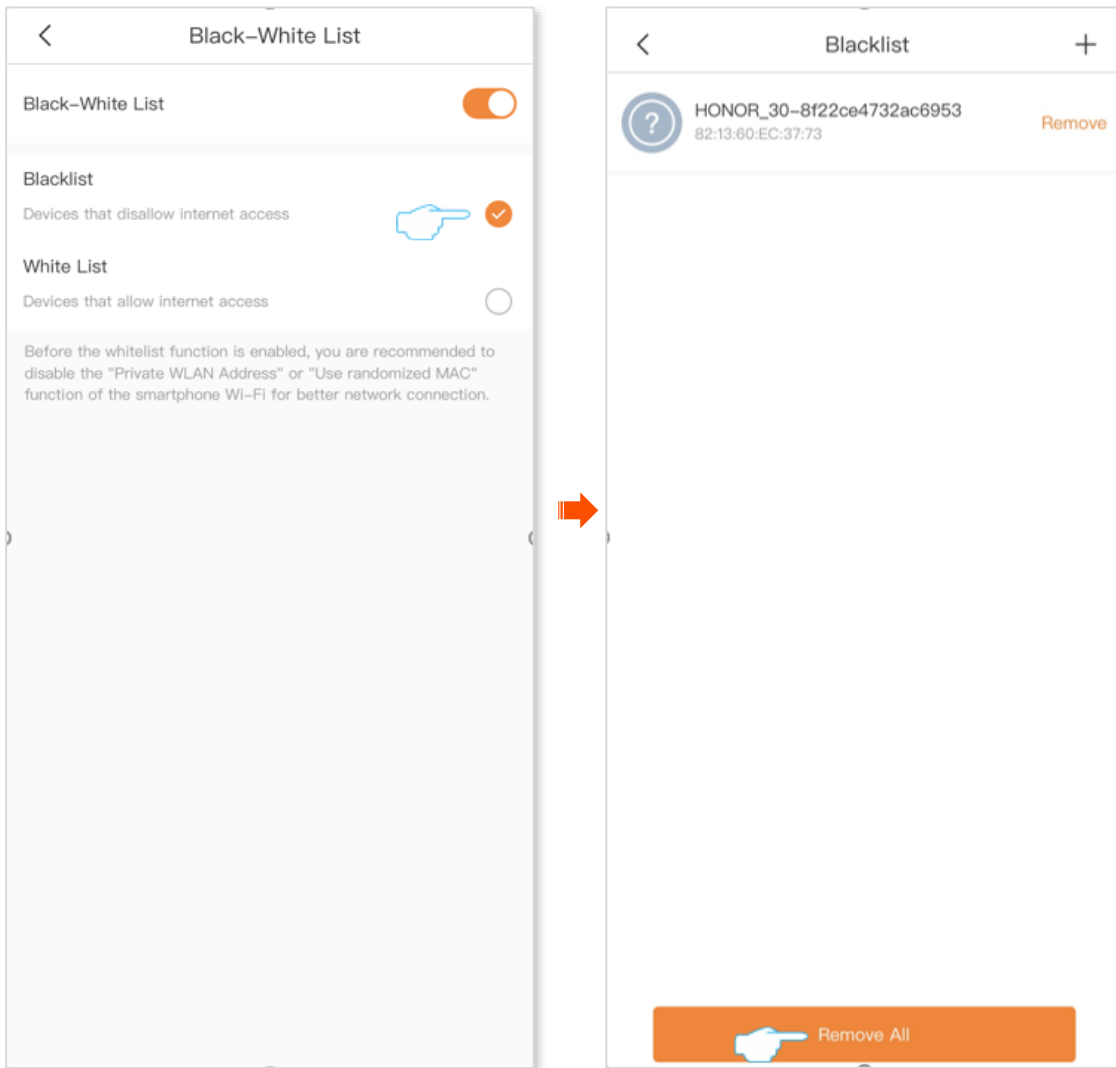
Method 1

Step 1 Run the **Tenda WiFi** App. On the **My WiFi** page, tap the **X client(s)** at the bottom of the page, and then tap  in the upper-right corner.



Step 2 Tap **Blacklist**.

Step 3 Locate the device you want to remove from the blacklist and tap **Remove**, or tap **Remove All**. The following figure is for reference only.

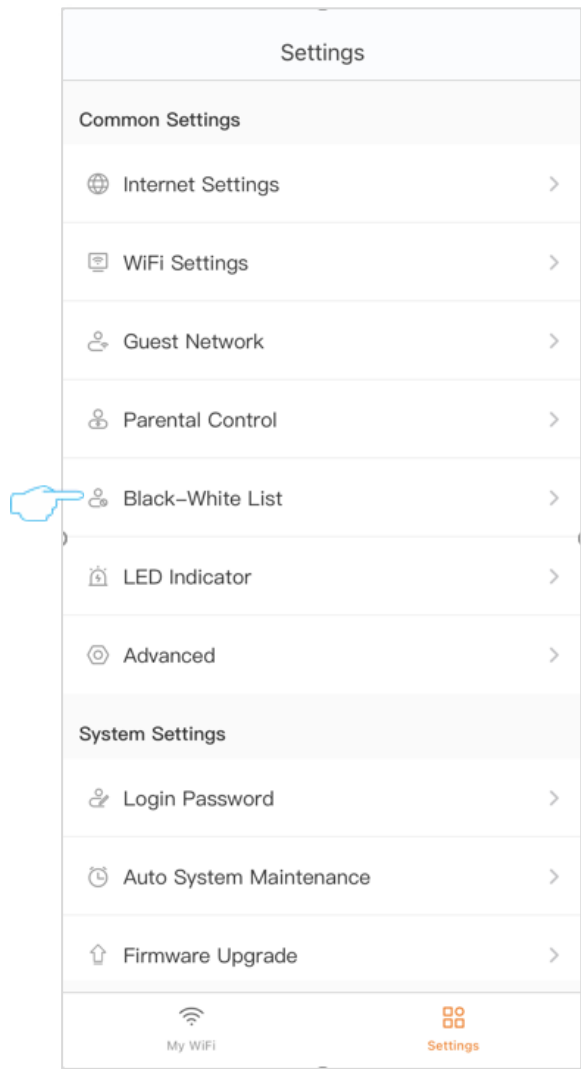


---End

Method 2

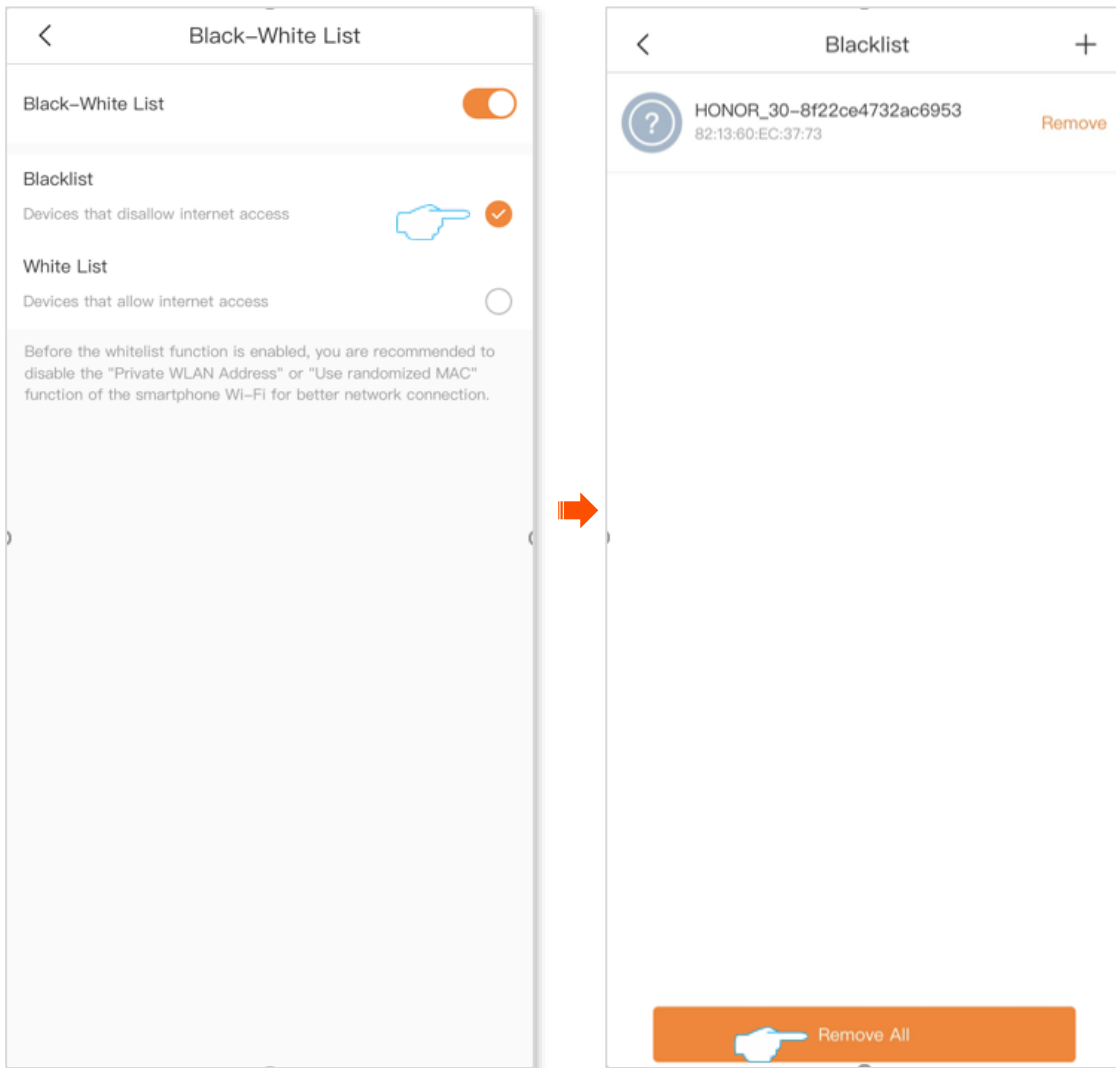
Step 1 Run the **Tenda WiFi** App, and enter the **Settings** page.

Step 2 Tap **Black-White List**.




Step 3 Tap **Blacklist**.

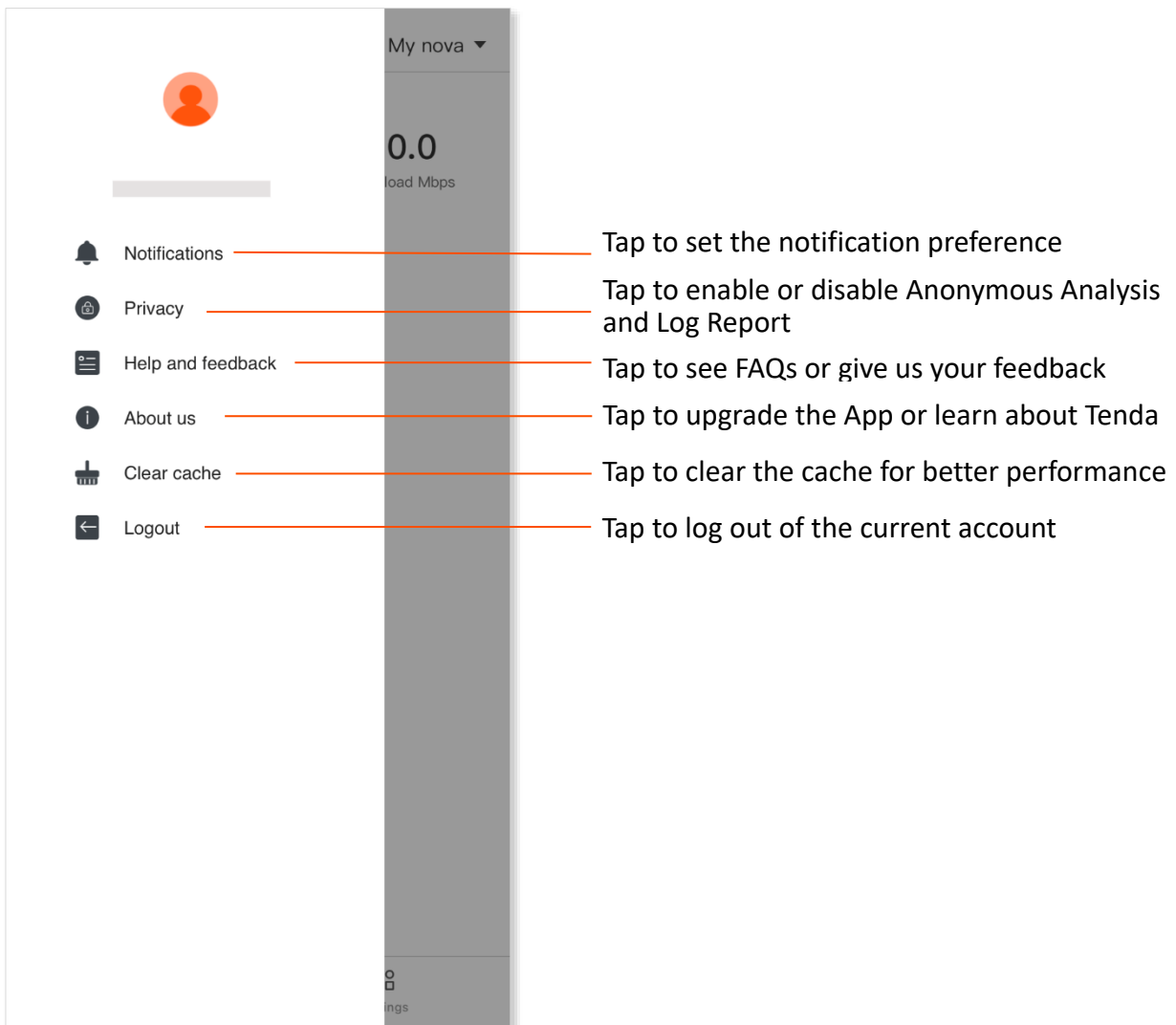
Step 4 Locate the device you want to remove from the blacklist and tap **Remove**, or tap **Remove All**. The following figure is for reference only.



---End

My profile

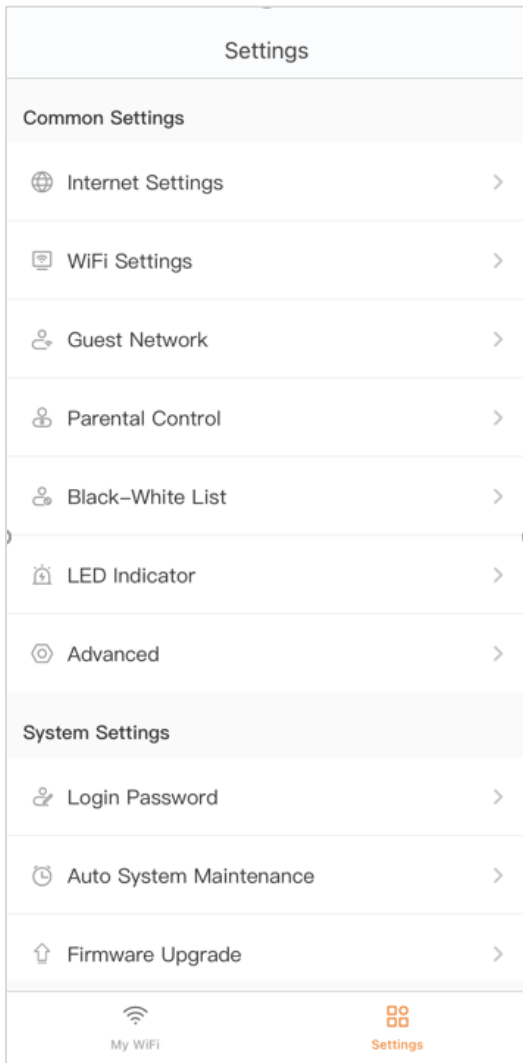
Tap  in the upper-left corner of **My WiFi** page to enter the page.



Common settings

You can change common internet settings or set up more parameters here.

Tap **Settings** to enter the page.



Internet settings

Generally, you can complete the internet settings by following the quick setup wizard of the **Tenda WiFi** App when you set the wireless router for the first time. If your internet connection type or parameters changed, you can set them here again to enable your router to access the internet. The wireless router supports the following connection types:

- **PPPoE:** If this type is selected, you need to enter the PPPoE user name and password provided by your ISP for internet access.
- **Dynamic IP:** If this type is selected, no parameter is required. The wireless router obtains the dynamic IP address and other related parameters automatically from your ISP.
- **Static IP:** If this type is selected, you need to enter the static IP address and other related parameters provided by your ISP for internet access.

Context of use	Information provided by the ISP	Connection type
	PPPoE user name and password	PPPoE
Connect the wireless router to a modem or Ethernet jack using an Ethernet cable.	IP address, subnet mask, default gateway and DNS server address	Static IP
	/	Dynamic IP

The following three connection types are available only when you select **Russia** in **Special ISP Settings**.

- **Russia PPPoE:** If this type is selected, you need to enter the PPPoE user name, PPPoE password, service name, server name, MTU value, and IP address information (if any) provided by your ISP for internet access.
- **Russia PPTP:** If this type is selected, you need to enter the IP address, user name and password of the PPTP server, MTU value, and IP address information (if any) provided by your ISP for internet access.
- **Russia L2TP:** If this type is selected, you need to enter the IP address, user name and password of the L2TP server, MTU value, and IP address information (if any) provided by your ISP for internet access.

Set up a PPPoE connection

Step 1 Run the Tenda WiFi App, and go to **Settings > Internet Settings**.

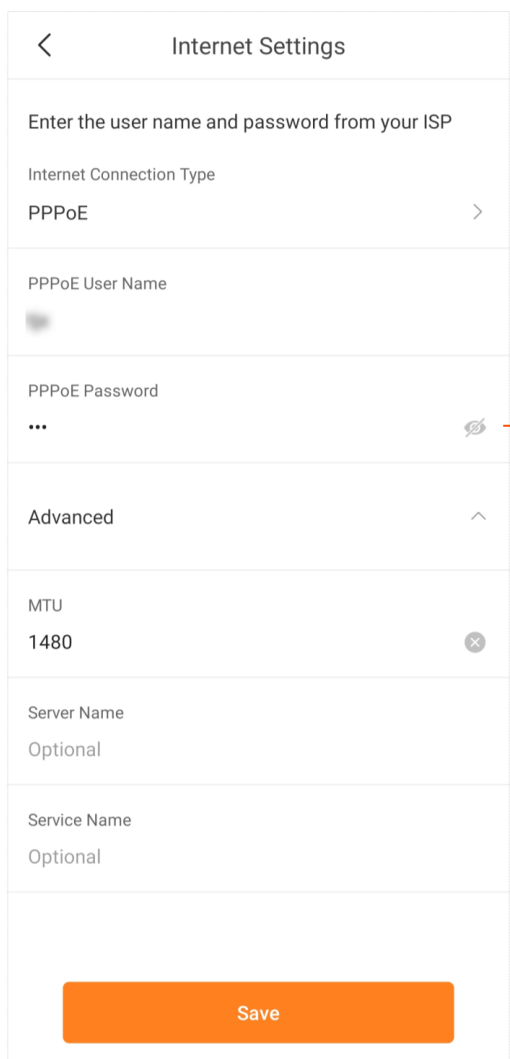
Step 2 Tap **Internet Connection Type**.

Step 3 Select **PPPoE**.

Step 4 Enter the PPPoE user name and password provided by your ISP.

If a service name and a server name are provided, tap **Advanced** to enter them in the target fields.

Step 5 Tap **Save**.



The screenshot shows the 'Internet Settings' screen. At the top, there is a back arrow and the title 'Internet Settings'. Below the title, there is a prompt: 'Enter the user name and password from your ISP'. The main settings are as follows:

- Internet Connection Type:** A dropdown menu currently showing 'PPPoE' with a right-pointing chevron. An orange line points to this dropdown with the text 'Tap to select an internet connection type'.
- PPPoE User Name:** A text input field with a greyed-out placeholder.
- PPPoE Password:** A text input field with a greyed-out placeholder and a small eye icon to its right. An orange line points to the eye icon with the text 'Tap to hide or show the PPPoE password'.
- Advanced:** A toggle switch currently turned off, indicated by a small upward-pointing chevron.
- MTU:** A text input field containing '1480' and a small 'x' icon to its right.
- Server Name:** A text input field containing 'Optional'.
- Service Name:** A text input field containing 'Optional'.

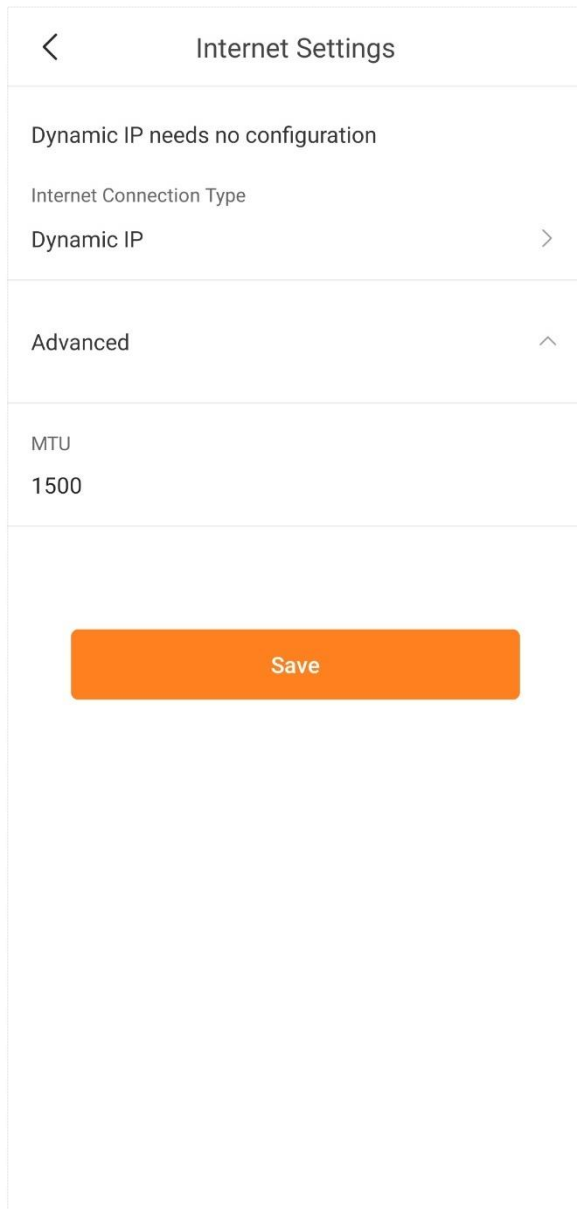
At the bottom of the screen, there is a large orange button labeled 'Save'.

---End

Now you can access the internet.

Set up a dynamic IP address connection

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Internet Settings**.
- Step 2** Tap **Internet Connection Type**.
- Step 3** Select **Dynamic IP** and tap **Next**.
- Step 4** Tap **Save**.



---End

Now you can access the internet.

Set up a static IP address connection

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Internet Settings**.
- Step 2** Tap **Internet Connection Type**.
- Step 3** Select **Static IP** and tap **Next**.
- Step 4** Enter **IP Address**, **Subnet Mask**, **Default Gateway** and **Primary DNS**.
If a secondary DNS server is provided, enter it as well.
- Step 5** Tap **Save**.

The screenshot shows the 'Internet Settings' screen in the Tenda WiFi app. At the top, there is a back arrow and the title 'Internet Settings'. Below the title, a message reads 'Please enter the fixed IP info for internet access'. The 'Internet Connection Type' is set to 'Static IP'. The fields for 'IP Address', 'Subnet Mask', 'Default Gateway', 'Primary DNS', and 'Secondary DNS (Optional)' all contain the placeholder '0.0.0.0'. There is an 'Advanced' section with an upward arrow, containing an 'MTU' field set to '1500'. At the bottom, there is a large orange 'Save' button.

---End

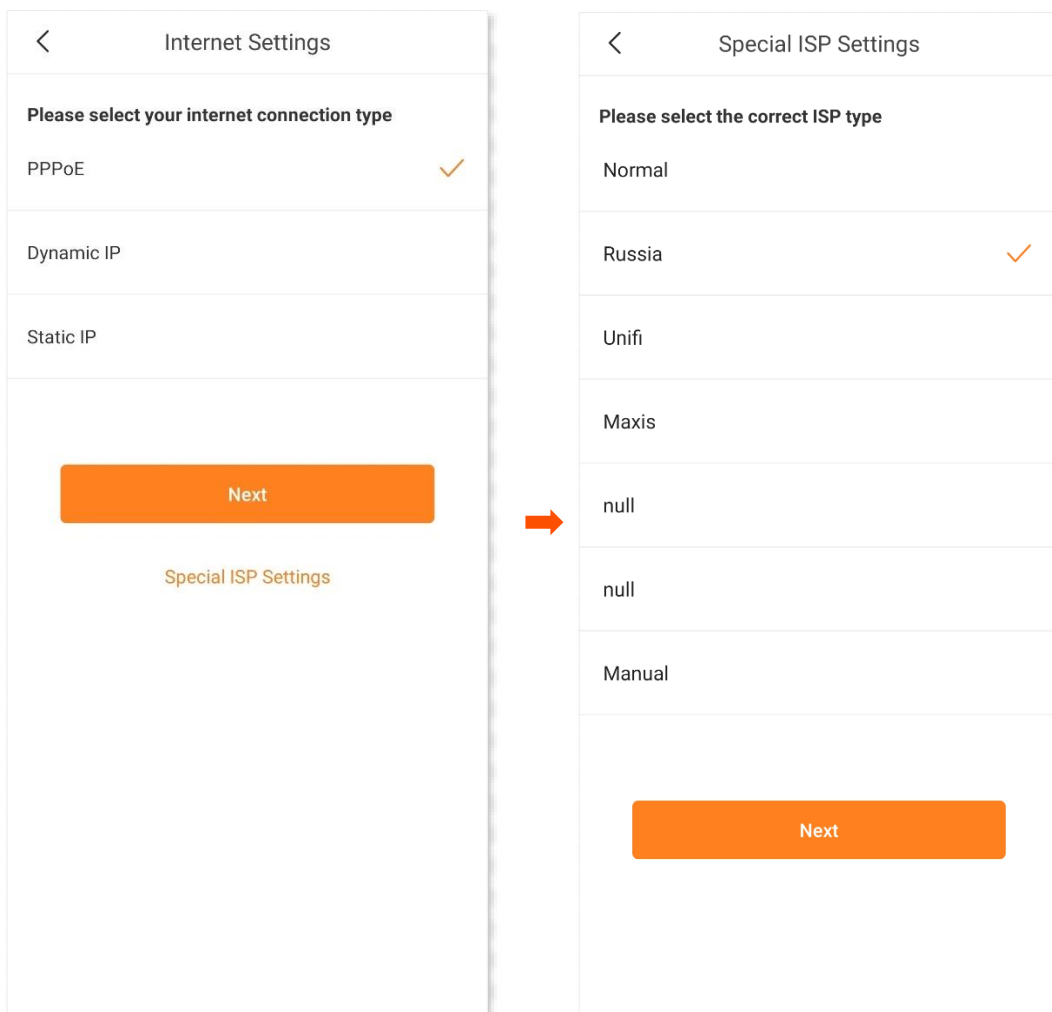
Now you can access the internet.

Set up dual access connection

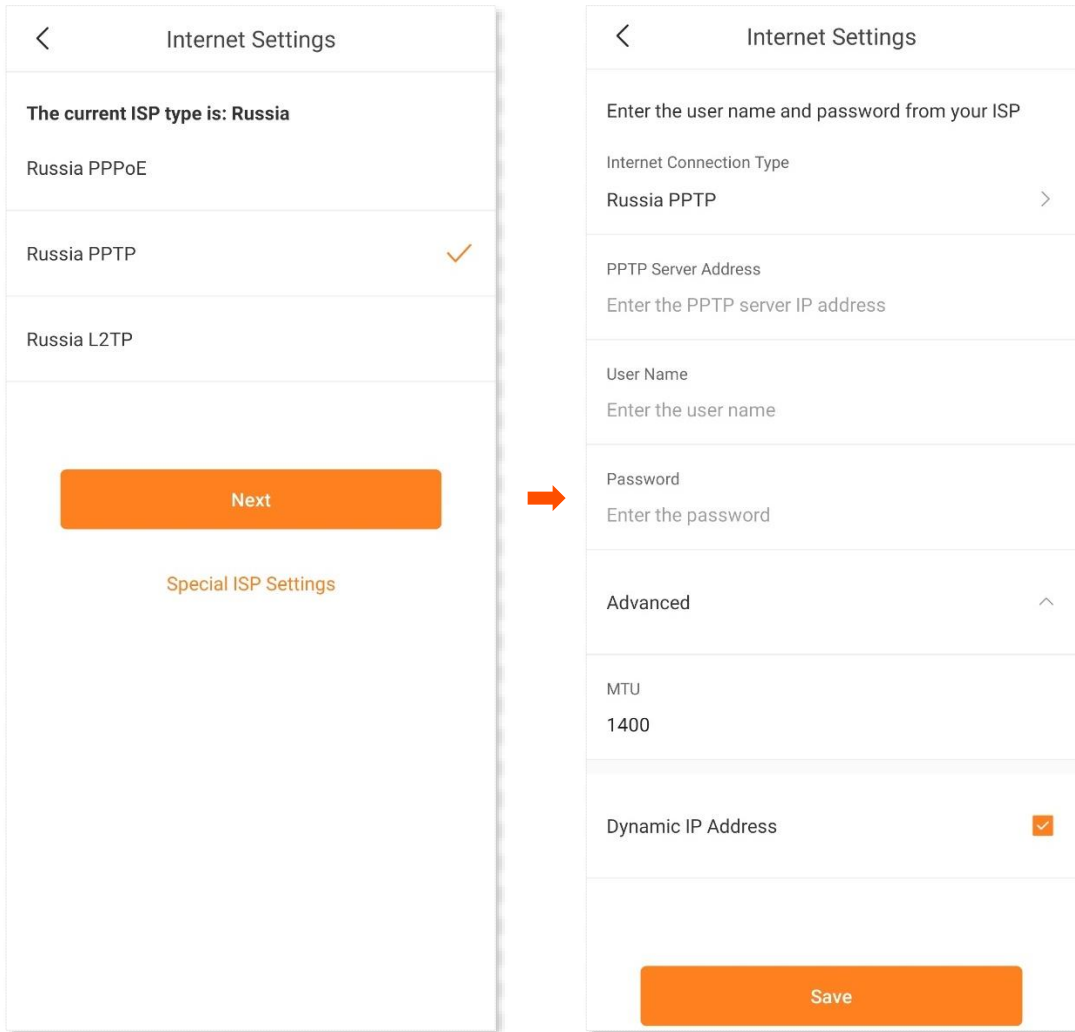
In countries like Russia, the ISP may require you to set up dual access. One is for access to the internet through PPPoE, PPTP or L2TP, and the other is for access to the “local” resources where the ISP is located through DHCP or static IP address. If your ISP provides such connection information, you can set up dual access to access the internet.

Procedure:

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Internet Settings**.
- Step 2** Tap **Internet Connection Type** and then **Special ISP Settings**.
- Step 3** Select **Russia** and tap **Next**.



Step 4 Select an internet connection type, which is **Russia PPTP** in this example, fill in required parameters, and tap **Save**.



---End

Now you can access the internet.

WiFi settings (Example: RX12 ProV2.0)

Tap **WiFi Settings** on the **Settings** page.

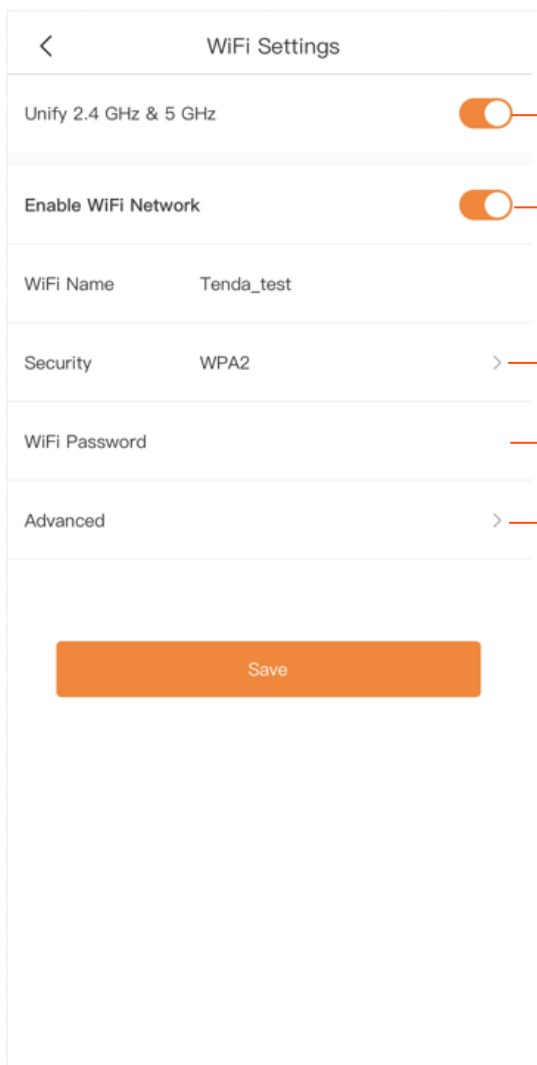
In this module, you can change the settings of your WiFi network, such as the WiFi name, security, WiFi password, channel, and bandwidth. The **Unify 2.4 GHz & 5 GHz** function is disabled by default.

To change the WiFi name and WiFi password of your WiFi network:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > WiFi Settings**.

Step 2 Customize the **WiFi Name** and **WiFi Password**.

Step 3 Tap **Save**.



Tap to enable the **Unify 2.4 GHz & 5 GHz** function, which means that the 5 GHz WiFi name and password will be synchronized with those of the 2.4 GHz, and cannot be changed.

Tap to enable the **Enable WiFi Network** function.

Tap to select the encryption type

Tap to hide or show the WiFi password

Tap to enable the **Hide WiFi** function, and set the **Channel**, **Network Mode** and **Bandwidth** of the 2.4 GHz WiFi and 5 GHz WiFi

---End

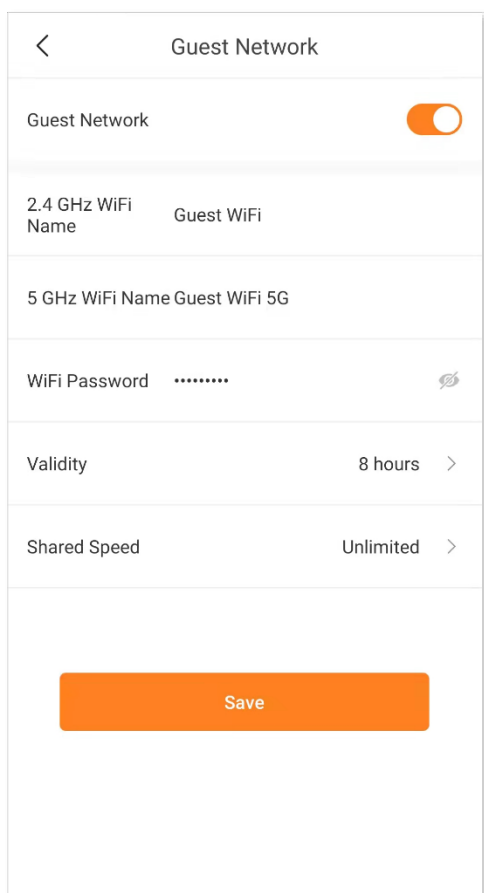
Now you can connect to the WiFi network using the new WiFi name and password.

Guest network

The guest network function enables you to create a separate network for your guests to ensure the security of the main network.

To set up a guest network:

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Guest Network**.
- Step 2** Enable the **Guest Network** function.
- Step 3** Customize the **WiFi Name** and **WiFi Password**, select a **Validity**, and set a **Shared Speed**.
- Step 4** Tap **Save**.



Tap to hide or show the WiFi password

---End

During the specified validity, your guests can connect their WiFi-enabled devices to the internet using the customized WiFi name and password and enjoy the specified shared bandwidth.

Parental control

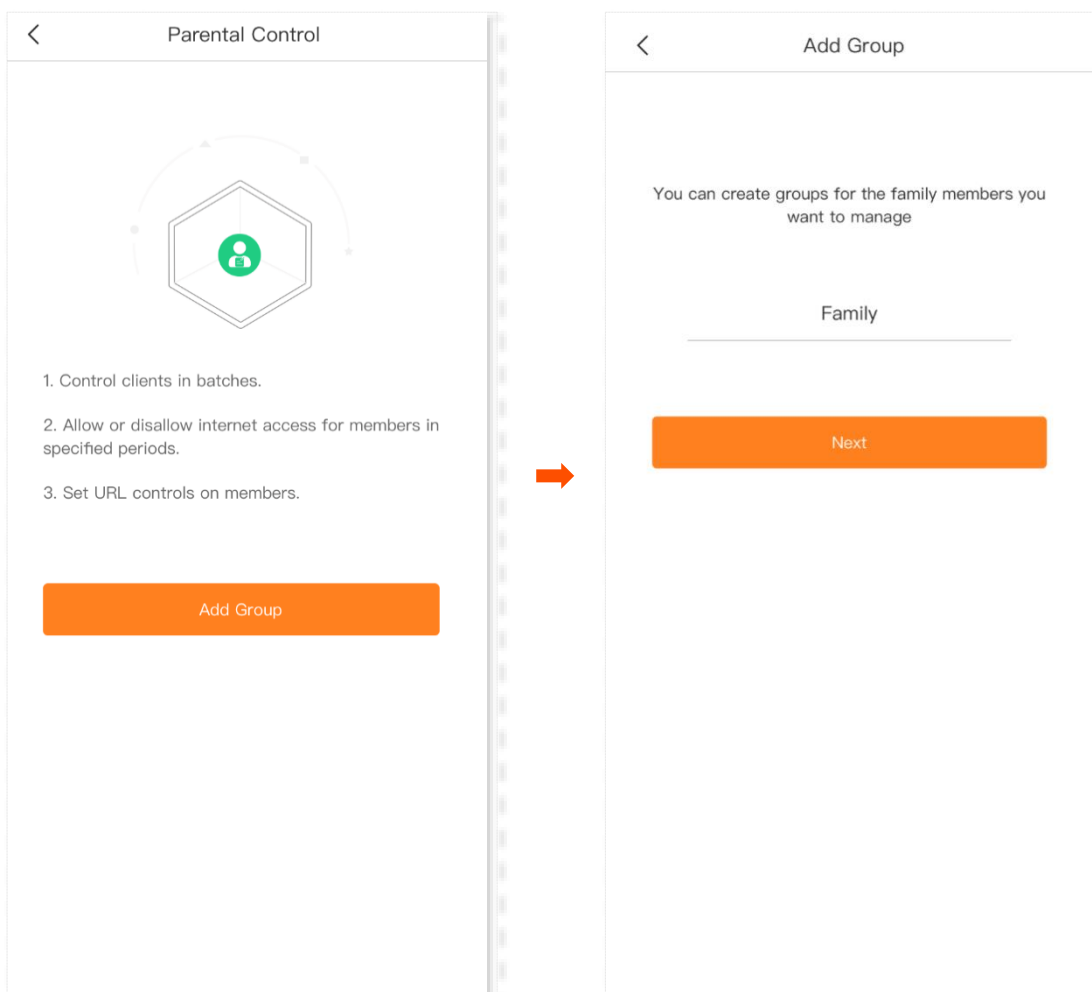
The parental control function enables you to create an appropriate time session for internet access for your family members.

To add a parental control rule:

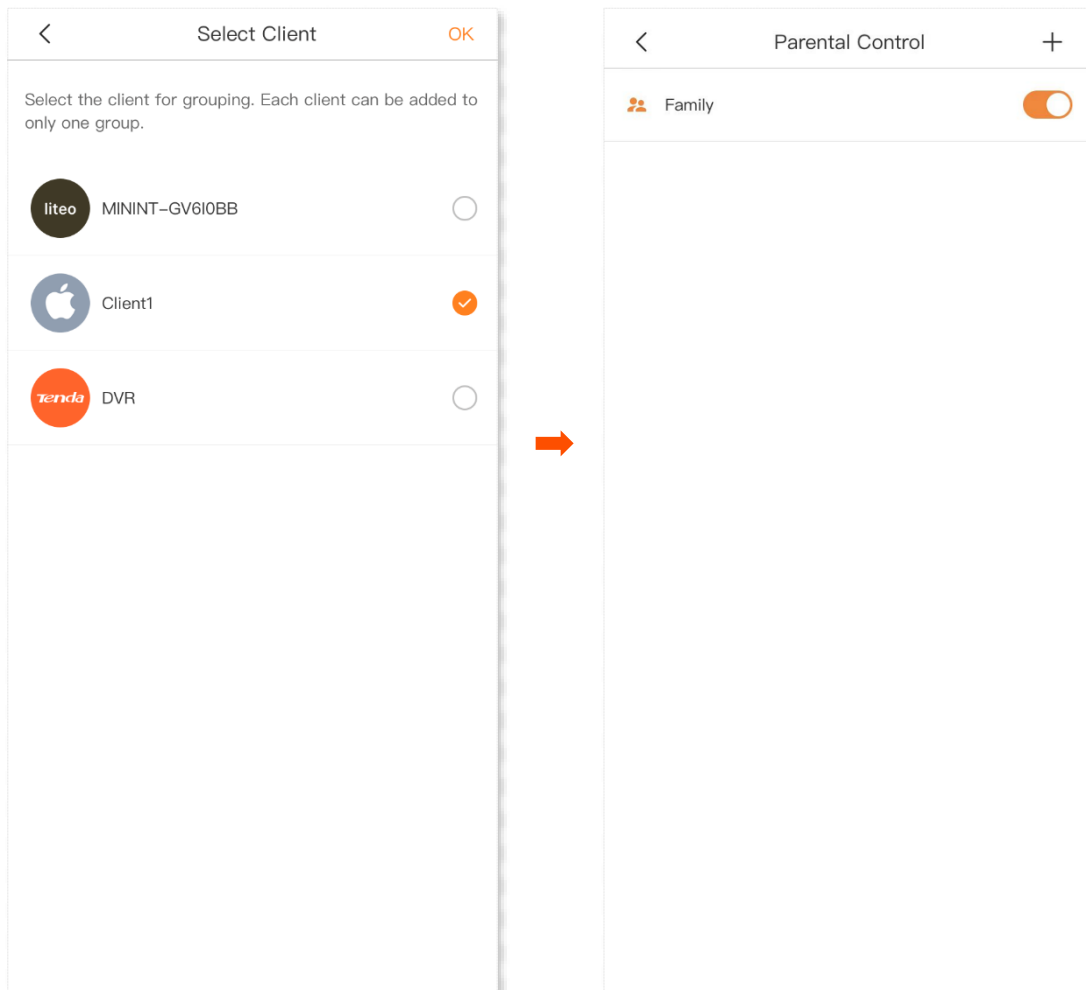
Step 1 Run the **Tenda WiFi App**, and go to **Settings > Parental Control**.





Step 2 Create a group.

1. Tap **Add Group**.
2. Specify a group name, which is **Family** in this example, and tap **Next**.



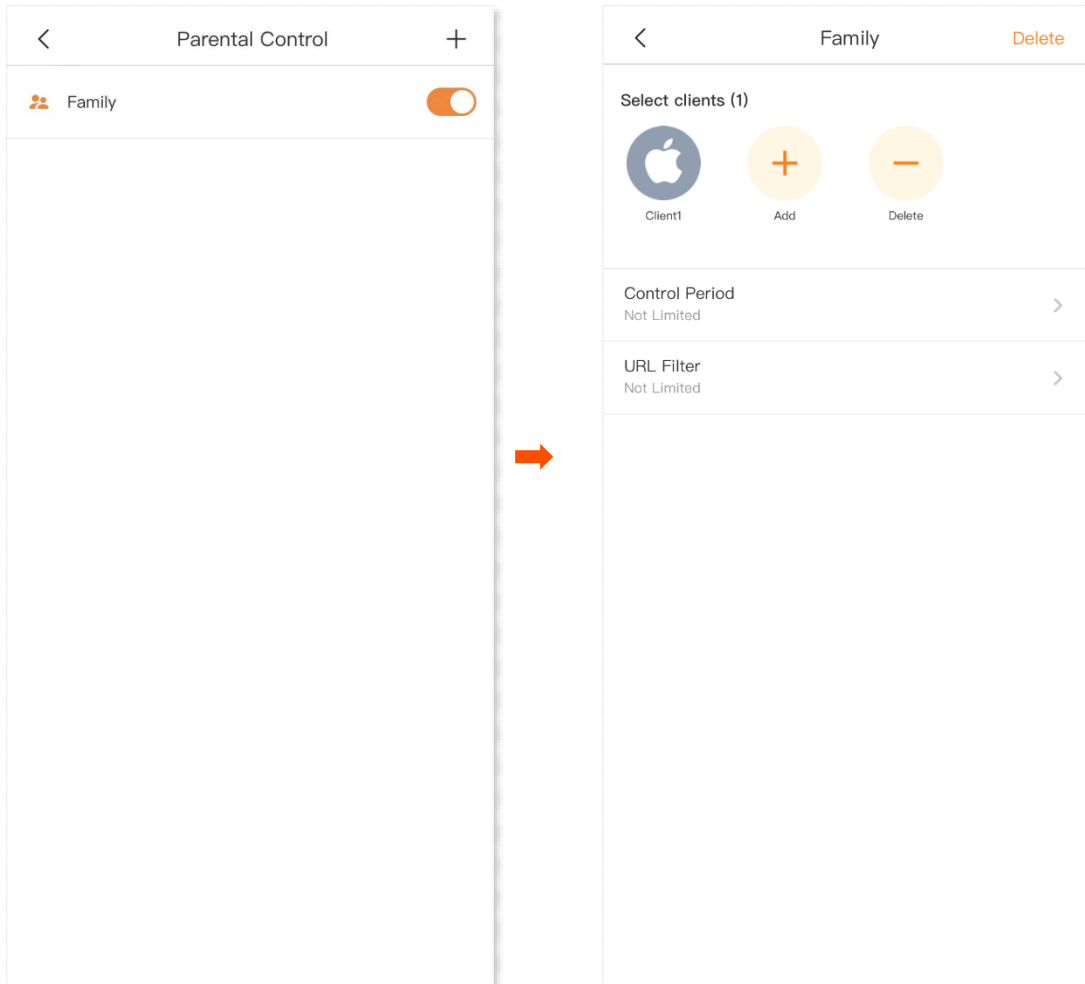
3. Select target clients. **Client1** is used as an example here.
4. Tap **OK** in the upper-right corner.



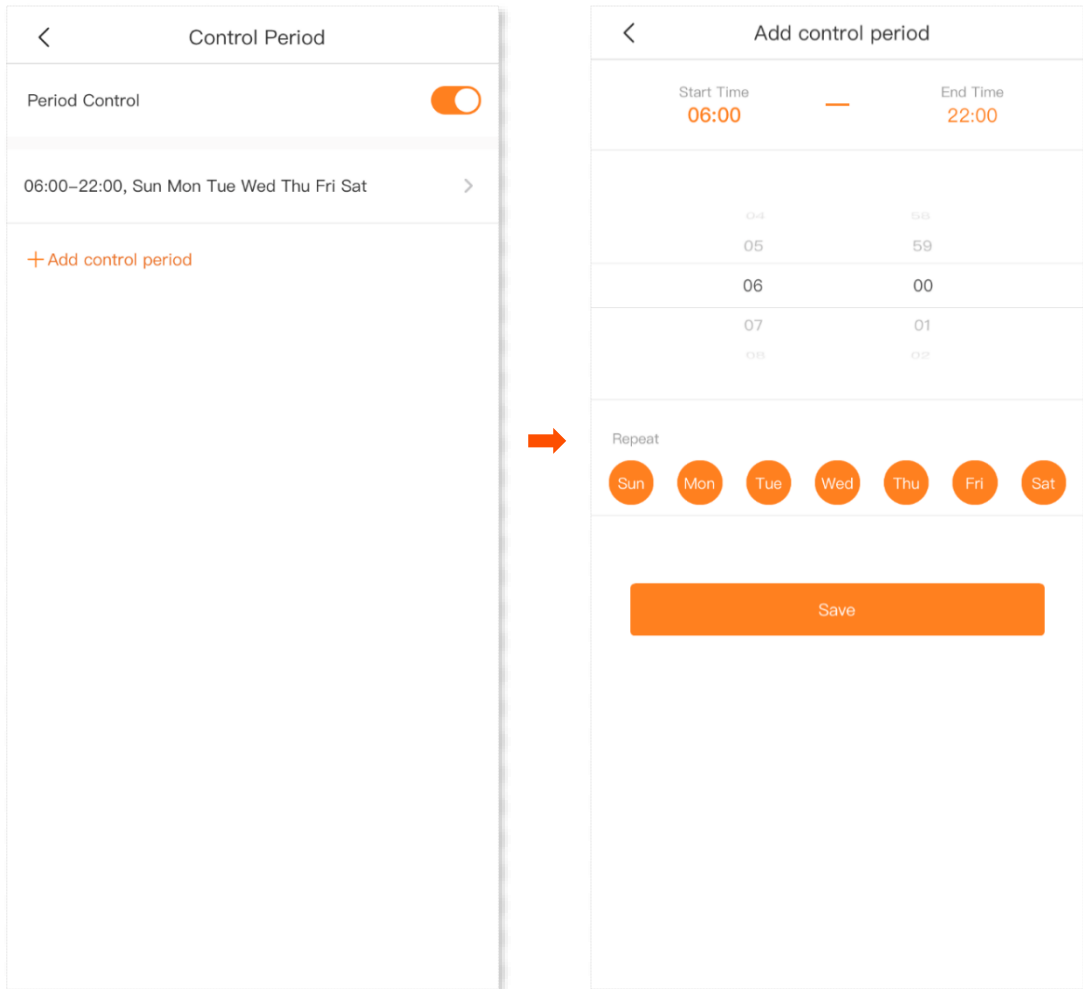
- Step 3** Tap  or  to enable or disable the parental control rule.
-  indicates that the parental control rule is enabled.
 -  indicates that the parental control rule is disabled.

Step 4 Customize the period of internet inaccessibility for the group.

1. Tap the group. **Family** is used as an example here.
2. Tap **Control Period**.

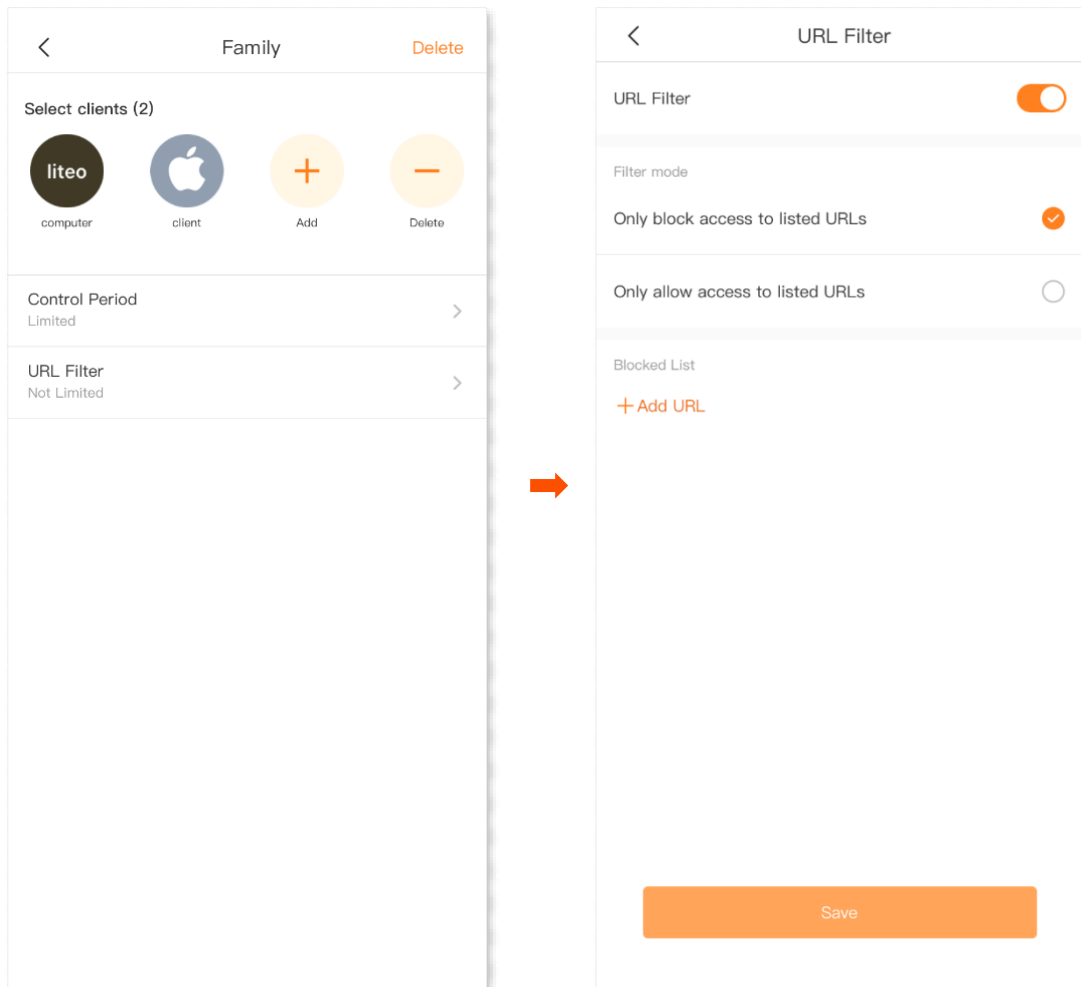


3. Enable the **Period Control** function.
4. Tap **Add control period**.
5. Specify a **Start Time**, **End Time**, and the days on which the rule takes effect.
6. Tap **Save**.

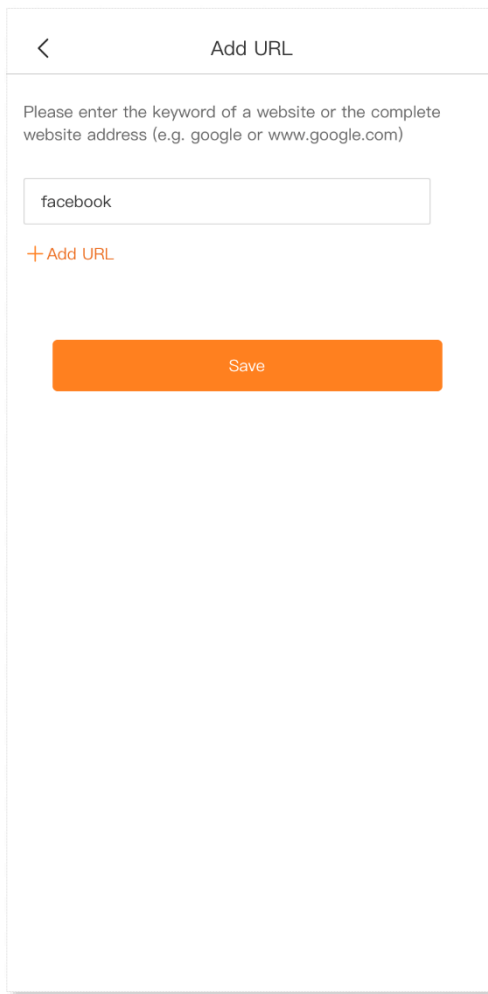


Step 5 Customize the URL filter rule for the group.

1. Tap **URL Filter**.
2. Enable the **URL Filter** function.
3. Select **Filter mode**, and tap **Add URL**.



4. Enter a website you want to block, which is **facebook** in this example.



Tap **+Add URL** to add other websites you want to block.

5. Tap **Save**.

---End

Now clients in the specified group cannot access the specified websites during the specified periods.

Working mode

This router can operate in either router mode or access point (AP) mode. **Current Mode** is displayed after the working mode currently adopted by the wireless router. You can select a working mode for your router based on your scenario. By default, the wireless router works in router mode.

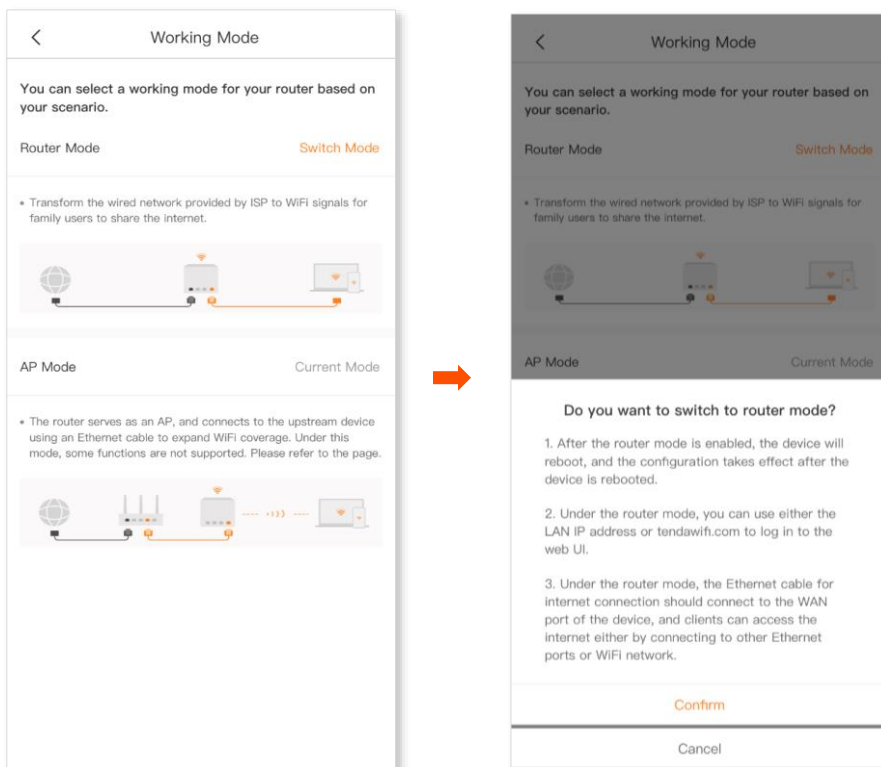
For users who need to specify the network connection mode, select the [router mode](#). For users who use an upstream router, select the [AP mode](#).

Router Mode

By default, the wireless router works in the wireless router mode. All functions are available in this mode. If you want to switch from the wireless router mode to AP mode, see [AP mode](#).

To switch to the wireless router mode:

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Advanced > Working Mode**.
- Step 2** Tap **Switch Mode**.
- Step 3** Tap **Confirm** in the pop-up window.



---End

Now the wireless router works in the wireless router mode and all functions are available under this mode.

AP Mode

When you have a smart home gateway that only provides wired internet access, you can set the wireless router to work in AP mode to provide wireless coverage.

You can switch the working mode to AP mode here.

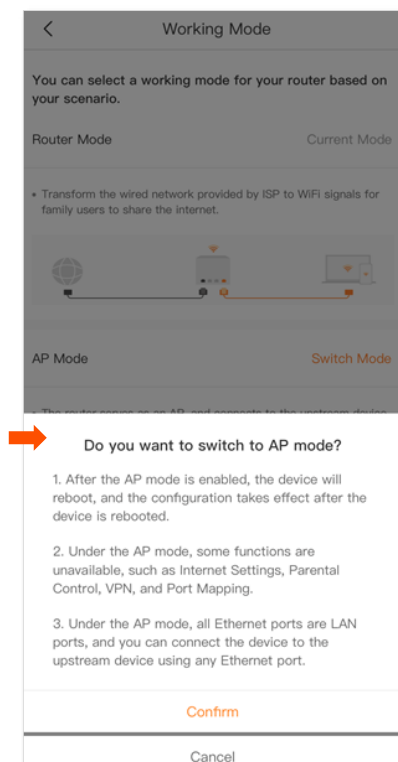
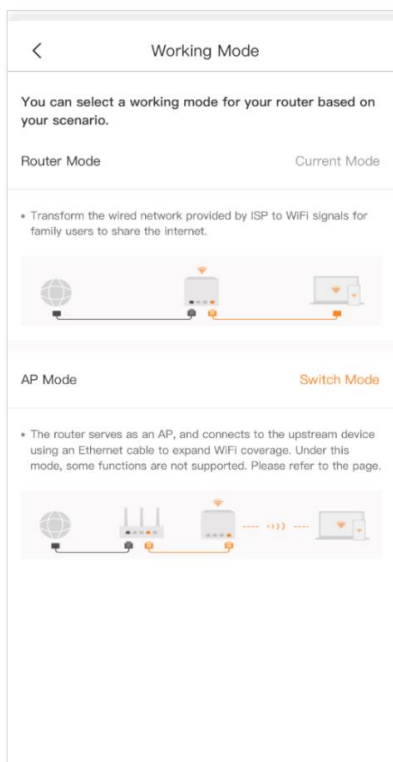


When the wireless router is set to AP mode:

- Every physical port can be used as a LAN port.
- Functions, such as bandwidth control and port mapping will be unavailable. Refer to the web UI for available functions.

To switch to the AP mode:

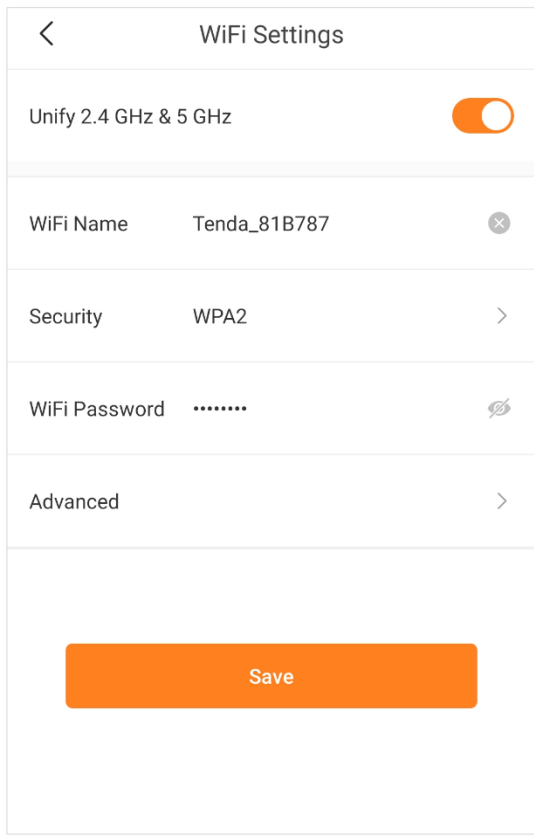
- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Advanced > Working Mode**.
- Step 2** Tap **Switch Mode**.
- Step 3** Tap **Confirm** in the pop-up window.
- Step 4** Use an Ethernet cable to connect the LAN port of your router to a LAN port of your upstream router (the wireless router has connected to the internet).



---End

To access the internet, connect your computer to any Ethernet port of the wireless router, or connect your smartphone to the WiFi network.

You can find the WiFi name and password on the **WiFi Settings** page. If the network is not encrypted, you can also set a WiFi password on this page for security.



If you cannot access the internet, try the following solutions:

- Ensure that the upstream router is connected to the internet successfully.
- Ensure that your WiFi-enabled clients are connected to the correct WiFi network of the wireless router.

IPv6



This function is only available in the wireless router mode.

The wireless router can access the IPv6 network of ISPs through three connection types. Choose the connection type by referring to the following chart.

Scenario	Connection Type
<ul style="list-style-type: none"> The ISP does not provide any PPPoEv6 user name and password and information about the IPv6 address. You have a router that can access the IPv6 network. 	DHCPv6
IPv6 service is included in the PPPoE user name and password.	PPPoEv6
The ISP provides you with a set of information including IPv6 address, subnet mask, default gateway and DNS server.	Static IPv6 address

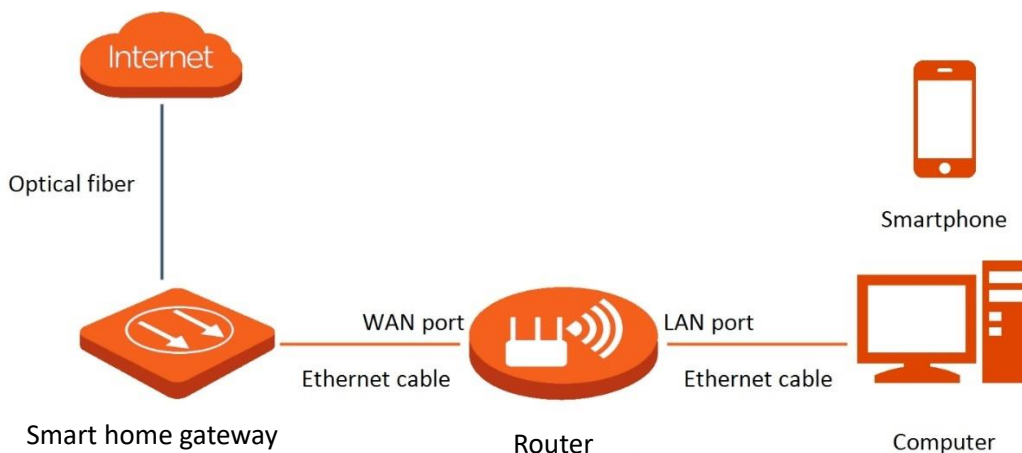


Before configuring the IPv6 function, ensure that you are within the coverage of the IPv6 network and already subscribe to the IPv6 internet service. Contact your ISP for any doubt about it.

DHCPv6

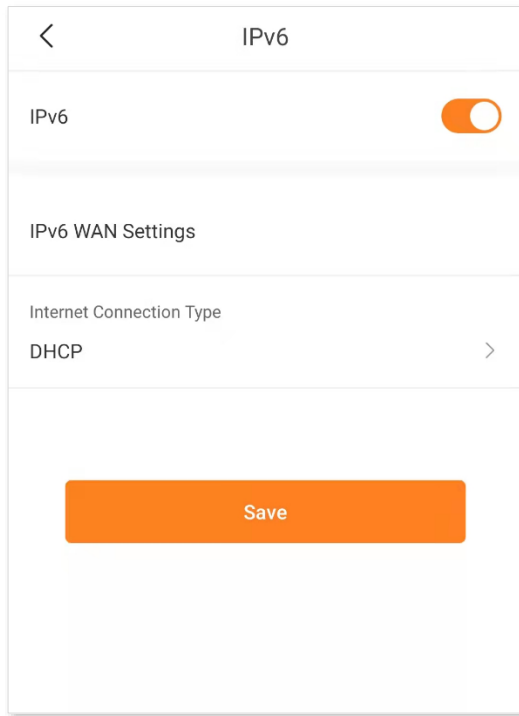
DHCPv6 enables the wireless router to obtain an IPv6 address from the DHCPv6 server to access the internet. It is applicable in the following scenarios:

- The ISP does not provide any PPPoEv6 user name and password and information about the IPv6 address.
- You have a router that can access the IPv6 network.



To access the internet through DHCPv6:

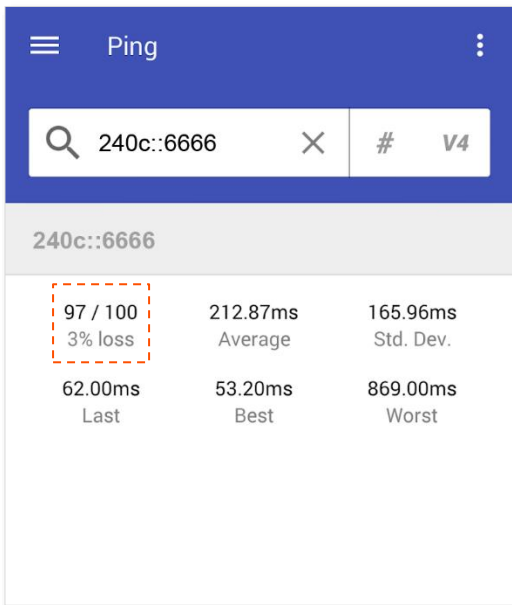
- Step 1** Run the **Tenda WiFi** App, and go to **Settings > Advanced > IPv6**.
- Step 2** Enable the **IPv6** function.
- Step 3** Set the **Internet Connection Type** to **DHCP**.
- Step 4** Tap **Save**.



---End

Verification:

You can download a network diagnosis App (**HE.NET Network Tools** for example here) on your wireless client and ping an IPv6 website (**240c::6666** for example) to check whether the wireless router accesses the IPv6 network successfully. As shown in the following figure, if the number of packets received is not 0, the wireless router accesses the IPv6 network successfully.



If the IPv6 network fails, try the following solutions:

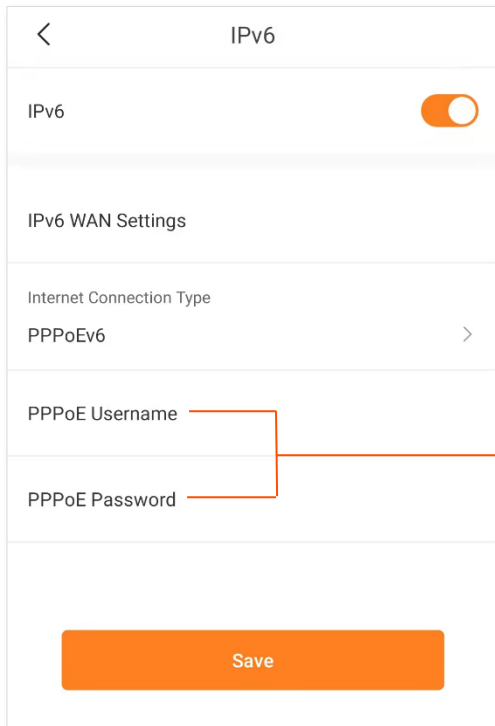
- Ensure that devices connected to router obtain their IPv6 addresses through DHCP.
- Consult your ISP for help.

PPPoEv6

Overview

If your ISP provides you with the PPPoE user name and password with IPv6 service, you can choose PPPoEv6 to access the internet.

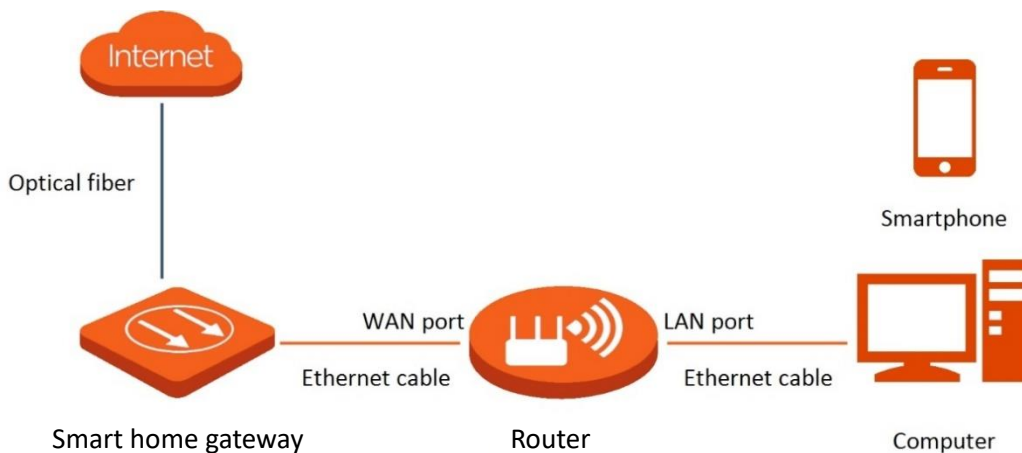
Run the **Tenda WiFi App**, and go to **Settings > Advanced > IPv6**. When the connection type is set to PPPoEv6, the page is shown as below.



They specify the PPPoE user name and password provided by your ISP.

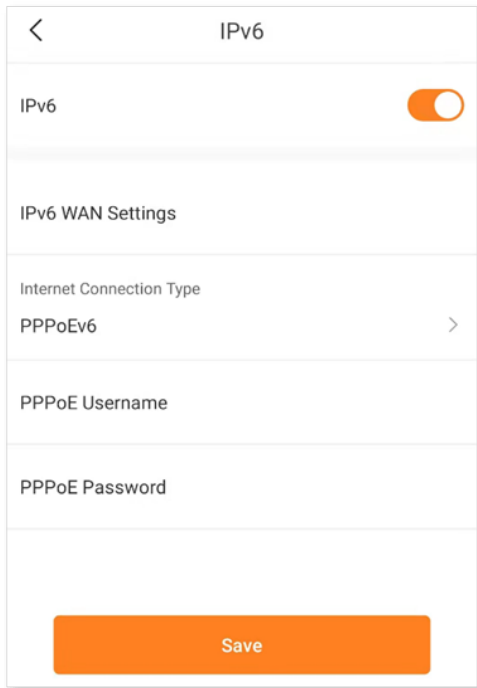
Access the internet through PPPoEv6

If the PPPoE account provided by your ISP includes IPv6 service, you can choose PPPoEv6 to access the IPv6 service. The application scenario is shown as below.



Procedure:

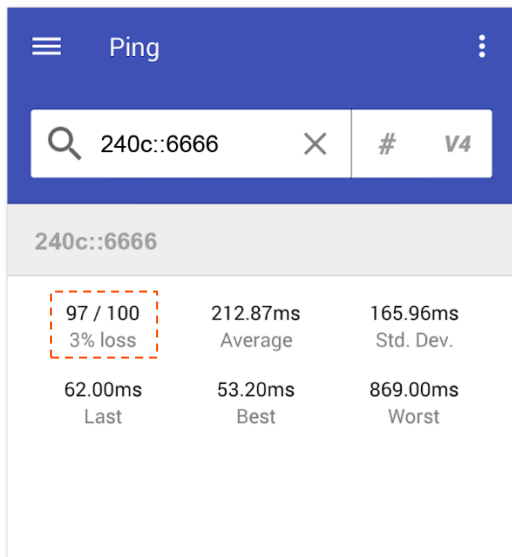
- Step 1** Run the **Tenda WiFi** App, and go to **Settings > Advanced > IPv6**.
- Step 2** Enable the **IPv6** function.
- Step 3** Set the **Internet Connection Type** to **PPPoEv6**.
- Step 4** Enter the **PPPoE Username** and **PPPoE Password** provided by your ISP.
- Step 5** Tap **Save**.



---End

Verification:

You can download a network diagnosis App (**HE.NET Network Tools** for example here) on your wireless client and ping an IPv6 website (**240c::6666** for example) to check whether the wireless router accesses the IPv6 network successfully. As shown in the following figure, if the number of packets received is not 0, the wireless router accesses the IPv6 network successfully.



If the IPv6 network fails, try the following solutions:

- Ensure that devices connected to router obtain their IPv6 addresses through DHCP.
- Consult your ISP for help.

Static IPv6 address

Overview

If your ISP provides you with information including IPv6 address, subnet mask, default gateway and DNS server, you can choose this connection type to access the internet with IPv6.

Run the **Tenda WiFi** App, and go to **Settings > Advanced > IPv6**. When the connection type is set to **Static IPv6 Address**, the page is shown as below.

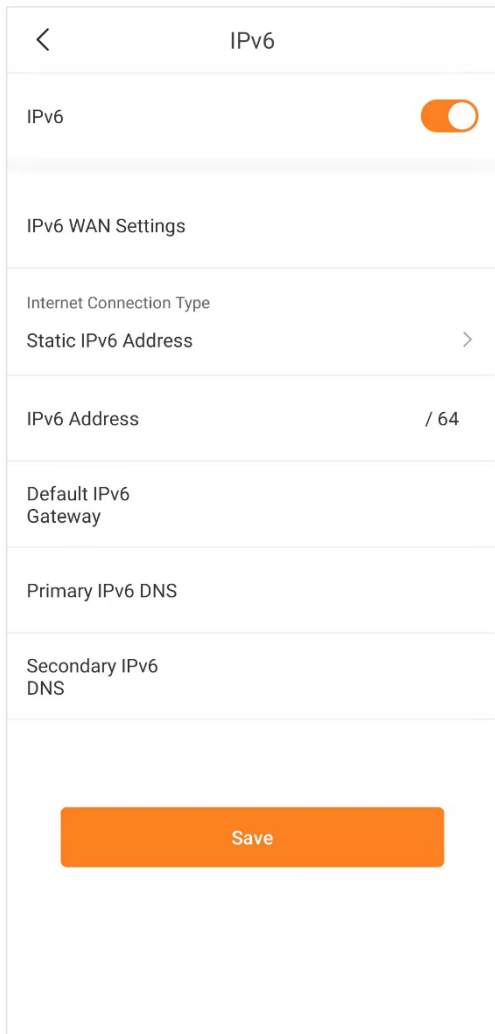
The screenshot shows the IPv6 configuration interface. At the top, there is a back arrow and the title 'IPv6'. Below that is a toggle switch for 'IPv6' which is turned on. Underneath is a section titled 'IPv6 WAN Settings'. The 'Internet Connection Type' is set to 'Static IPv6 Address'. Below this are four input fields: 'IPv6 Address' (with a '/ 64' suffix), 'Default IPv6 Gateway', 'Primary IPv6 DNS', and 'Secondary IPv6 DNS'. A large orange 'Save' button is positioned at the bottom of the form.

They specify the fixed IP address information provided by your ISP.

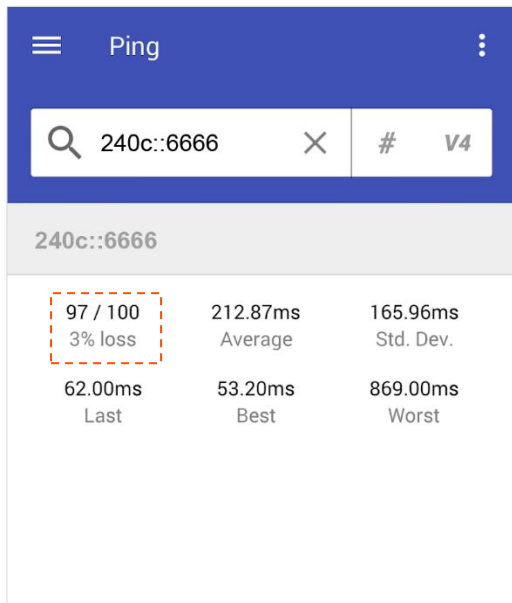
Access the internet through static IPv6 address

Procedure:

- Step 1** Run the **Tenda WiFi** App, and go to **Settings > Advanced > IPv6**.
- Step 2** Enable the **IPv6** function.
- Step 3** Set the connection type to **Static IPv6 Address**.
- Step 4** Enter the required parameters under **IPv6 WAN Settings**.

Step 5 Tap Save.**---End****Verification:**

You can download a network diagnosis App (**HE.NET Network Tools** for example here) on your wireless client and ping an IPv6 website (**240c::6666** for example) to check whether the wireless router accesses the IPv6 network successfully. As shown in the following figure, if the number of packets received is not 0, the wireless router accesses the IPv6 network successfully.



If the IPv6 network fails, try the following solutions:

- Ensure that devices connected to router obtain their IPv6 addresses through DHCP.
- Consult your ISP for help.

LAN settings

The DHCP server of the wireless router can assign IP addresses, subnet masks, default gateways and DNS server addresses to clients within the LAN.

Generally, you are not required to change the settings for the DHCP server of the wireless router, unless an IP address conflict occurs. For example, if the WAN IP address obtained by the wireless router is at the same network segment as its LAN IP address, or the IP address of the client of the wireless router is 192.168.5.1.

To change LAN settings:

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > LAN Settings**.
- Step 2** Select a LAN IP address for the wireless router.
- Step 3** Tap **Save**.



---End

After the setting completes, clients within the LAN are assigned with IP addresses based on the new LAN IP address of the wireless router when they request new IP addresses.

DHCP server

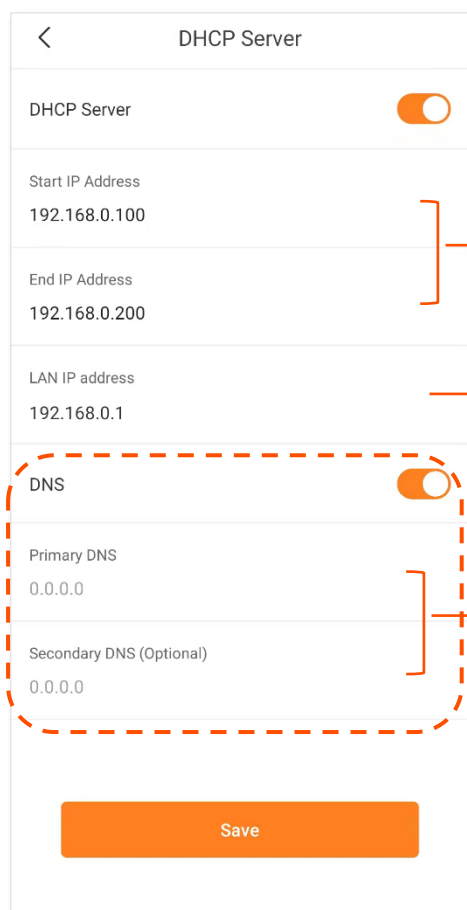
The Dynamic Host Configuration Protocol (DHCP) is an automatic configuration protocol used on IP networks. If you enable the built-in DHCP server on this device, the TCP/IP settings will be automatically configured for all PCs in the LAN, including IP addresses and DNS.



If the new LAN IP address is not in the same network segment as the original LAN IP address when [modifying the LAN IP address](#), the system automatically changes the DHCP address pool to make the new LAN IP address on the same network segment.

To set up a DHCP server:

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Advanced > DHCP Server**.
- Step 2** Specify the **Start IP Address**, **End IP Address**, **LAN IP Address**, **Primary DNS (Optional)** and **Secondary DNS (Optional)**.
- Step 3** Tap **Save**.



Specifies the range of IP addresses that can be assigned by the DHCP server.

Specifies the IP address of the router's LAN port. LAN users can use this IP address to log in to the web UI of the router

Specifies the IP address of the primary or secondary DNS server assigned by the DHCP server to the client.



To enable LAN devices to access the internet properly, ensure that the preferred DNS server is the correct DNS server or DNS proxy IP address.

---End

Now a DHCP server is established.

Static IP reservation

Through the Static IP Reservation function, specified clients can always obtain the same IP address when connecting to the wireless router, ensuring that the port forwarding or port mapping, DDNS, DMZ host and other functions are normal. This function takes effect only when the DHCP server function of the wireless router is enabled.

Assign static IP addresses to LAN clients:

Scenario: You have set up an FTP server within your LAN.

Goal: Assign a fixed IP address to the host of the FTP server and prevent the failure of access to the FTP server owing to the change of IP address.

Solution: You can configure the DHCP reservation function to reach the goal. Assume that:

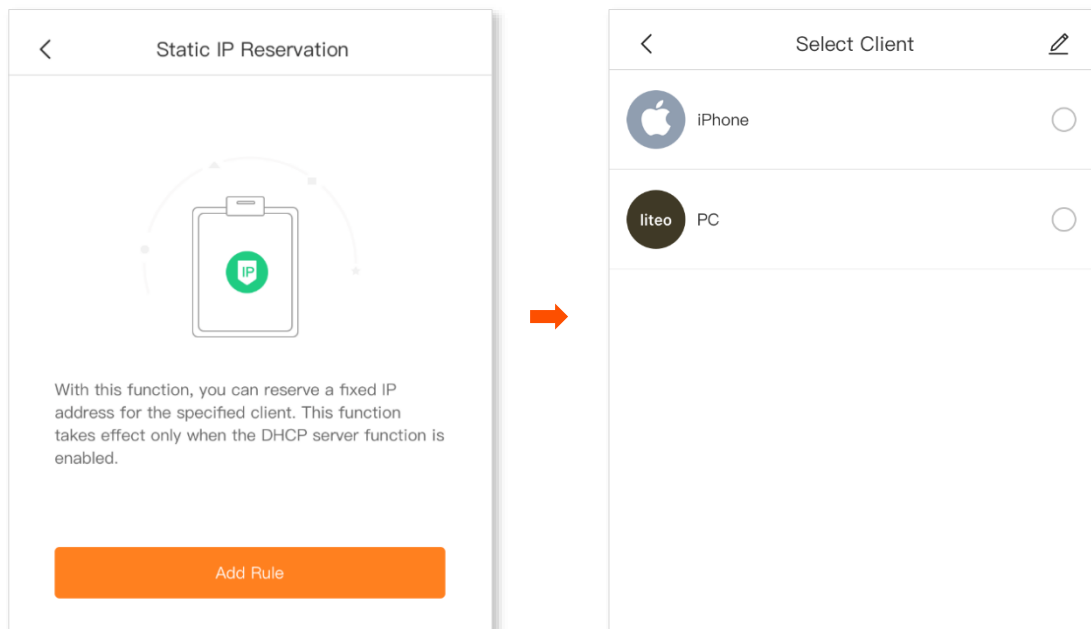
- Fixed IP address for the server: 192.168.0.143
- MAC address of the FTP server host: C0:9A:D0:5B:28:70

Procedure:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > Advanced > Static IP Reservation**.

Step 2 Tap **Add Rule**.

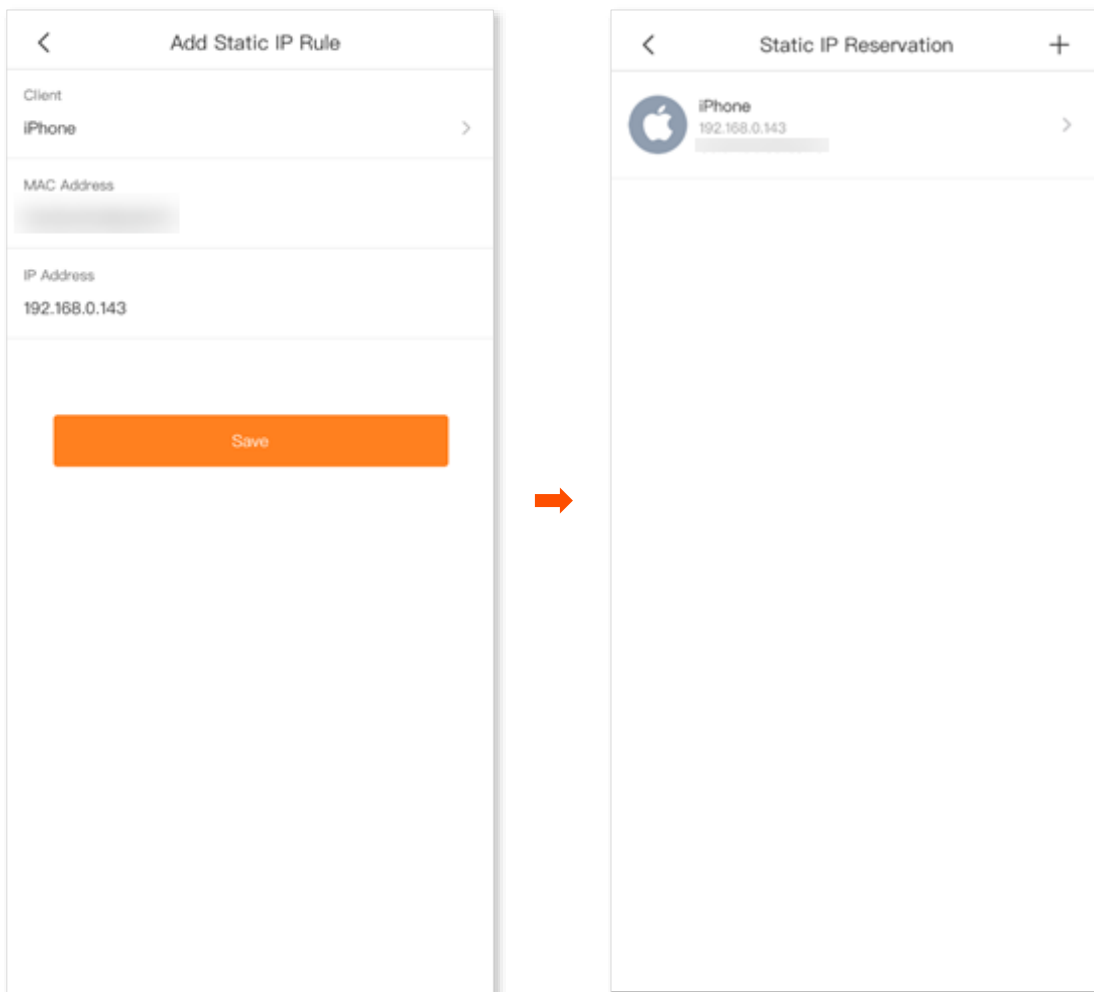
Step 3 Select the device to which the rule applies, which is **iPhone** in this example.



Step 4 Set up a port forwarding rule.

IP Address: IP address reserved for the client, which is **192.168.0.143** in this example

Step 5 Tap **Save**.



---End

After the settings complete, the FTP server host always gets the same IP address when connecting to the wireless router.

DNS



Enable this function only when necessary.

If clients connected to the WiFi network cannot access the websites using the domain names whereas the IP address works, a DNS resolution problem may exist. You can try changing the DNS settings to solve the problem.

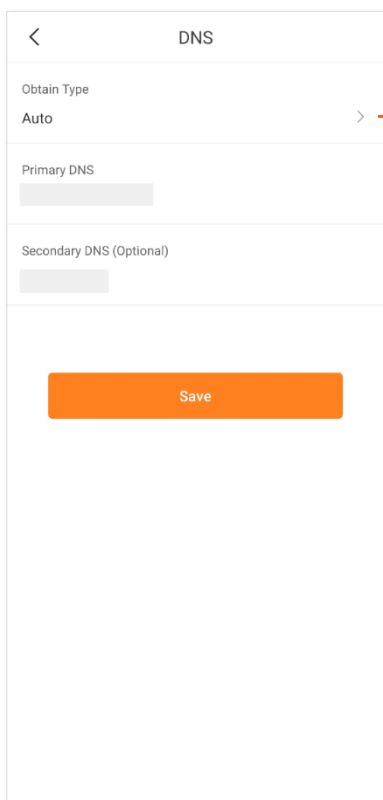
To change the DNS settings:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > Advanced > DNS**.

Step 2 Tap **Obtain Type**, and select **Auto** or **Manual**.

If you select **Manual**, enter the correct DNS IP address in **Primary DNS**. If you have another DNS server IP address, enter it in **Secondary DNS (Optional)**.

Step 3 Tap **Save**.



Specifies the method of obtaining DNS on the WAN port of the router.

- Auto: Automatically obtains the DNS server address from the DHCP or PPPoE server on the upstream network.
- Manual: Manually set the DNS server address.

---End

IPTV

IPTV is the technology integrating internet, multimedia, telecommunication and many other technologies to provide interactive services, including digital TV, for family users by internet broadband lines.

You can set the multicast and set-top box (STB) functions here.

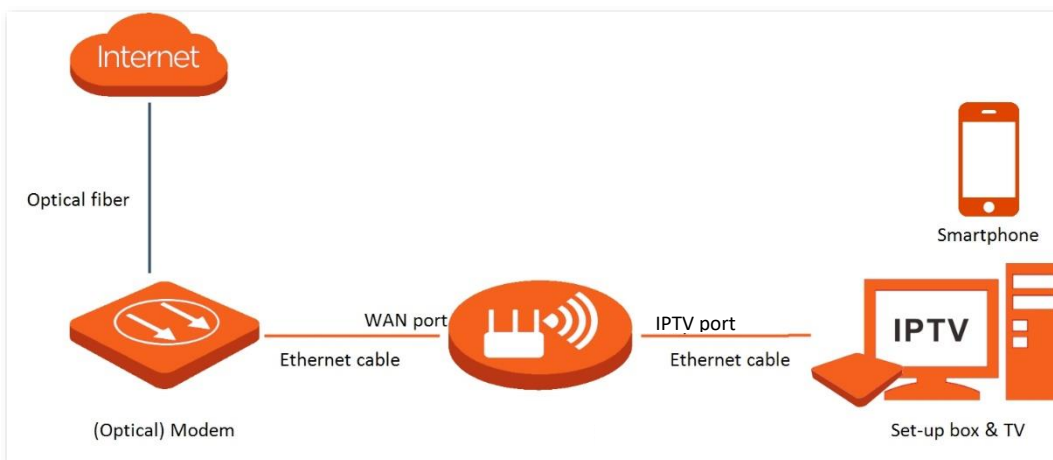
- **Multicast:** If you want to watch multicast videos from the WAN side of the wireless router on your computer, you can enable the multicast function of the wireless router.
- **STB:** If the IPTV service is included in your broadband service, you can enjoy both internet access through the wireless router and rich IPTV contents with a set-top box when it is enabled.

Watch IPTV programs through the wireless router

Scenario: The IPTV service is included in your broadband service. You have obtained the IPTV account and password from your ISP, but no VLAN information.

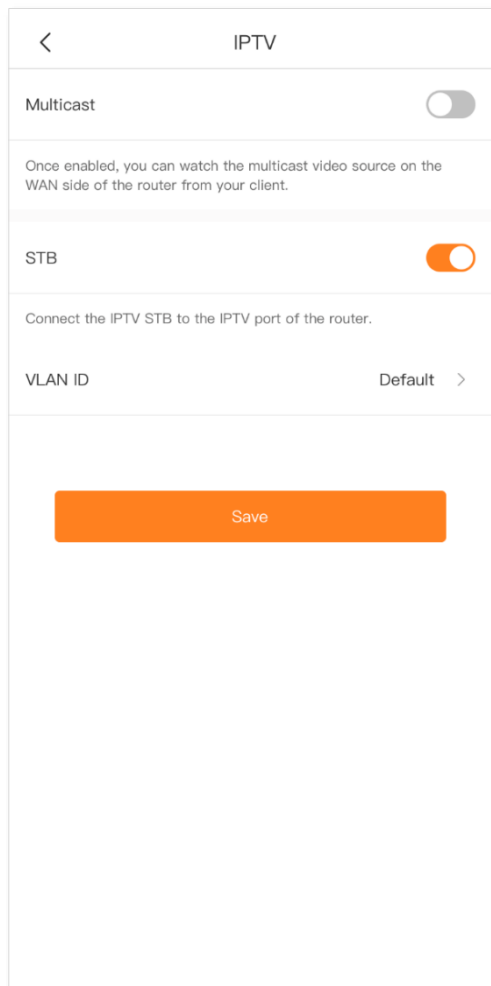
Goal: Watch IPTV programs through the wireless router.

Solution: You can configure the IPTV function to reach the goal.



Procedure:**Step 1** Set your router.

1. Run the **Tenda WiFi App**, and go to **Settings > Advanced > IPTV**.
2. Enable the **STB** function.
3. Tap **Save**.

**Step 2** Configure the set top box.

Use the IPTV user name and password to dial up on the set top box.

---End

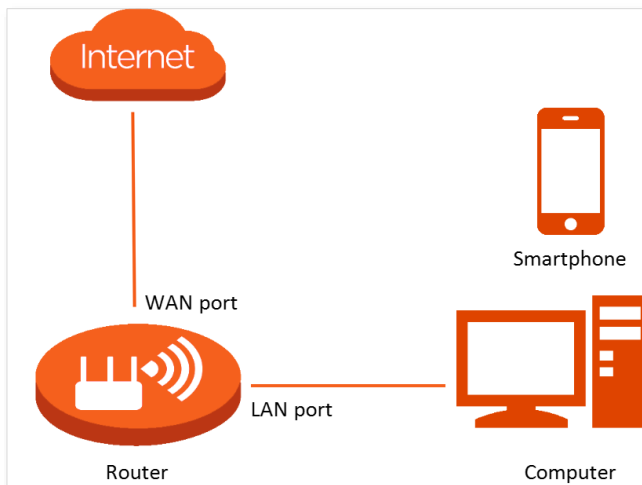
After the setting completes, you can watch IPTV programs on your TV.

Watch multicast videos through the wireless router

Scenario: You have the address of multicast videos.

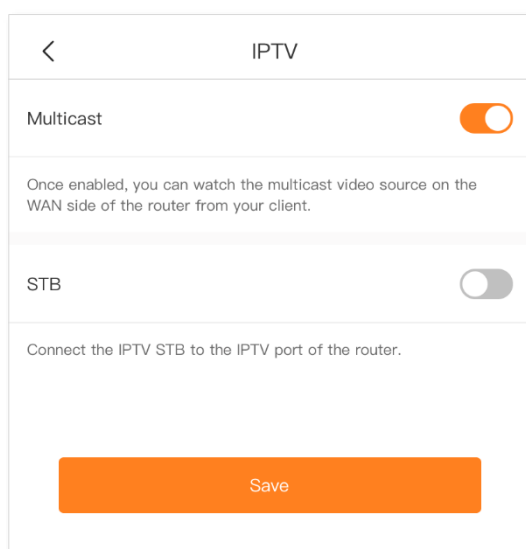
Goal: You can watch multicast videos.

Solution: You can configure the multicast function to reach the goal.



Procedure:

- Step 1** Run the **Tenda WiFi App**, and go to **Settings > Advanced > IPTV**.
- Step 2** Enable the **Multicast** function.
- Step 3** Tap **Save**.



---End

After the setting completes, you can watch multicast videos on your computer.

MESH button

Tap **Settings**, and go to **Advanced > MESH Button**.

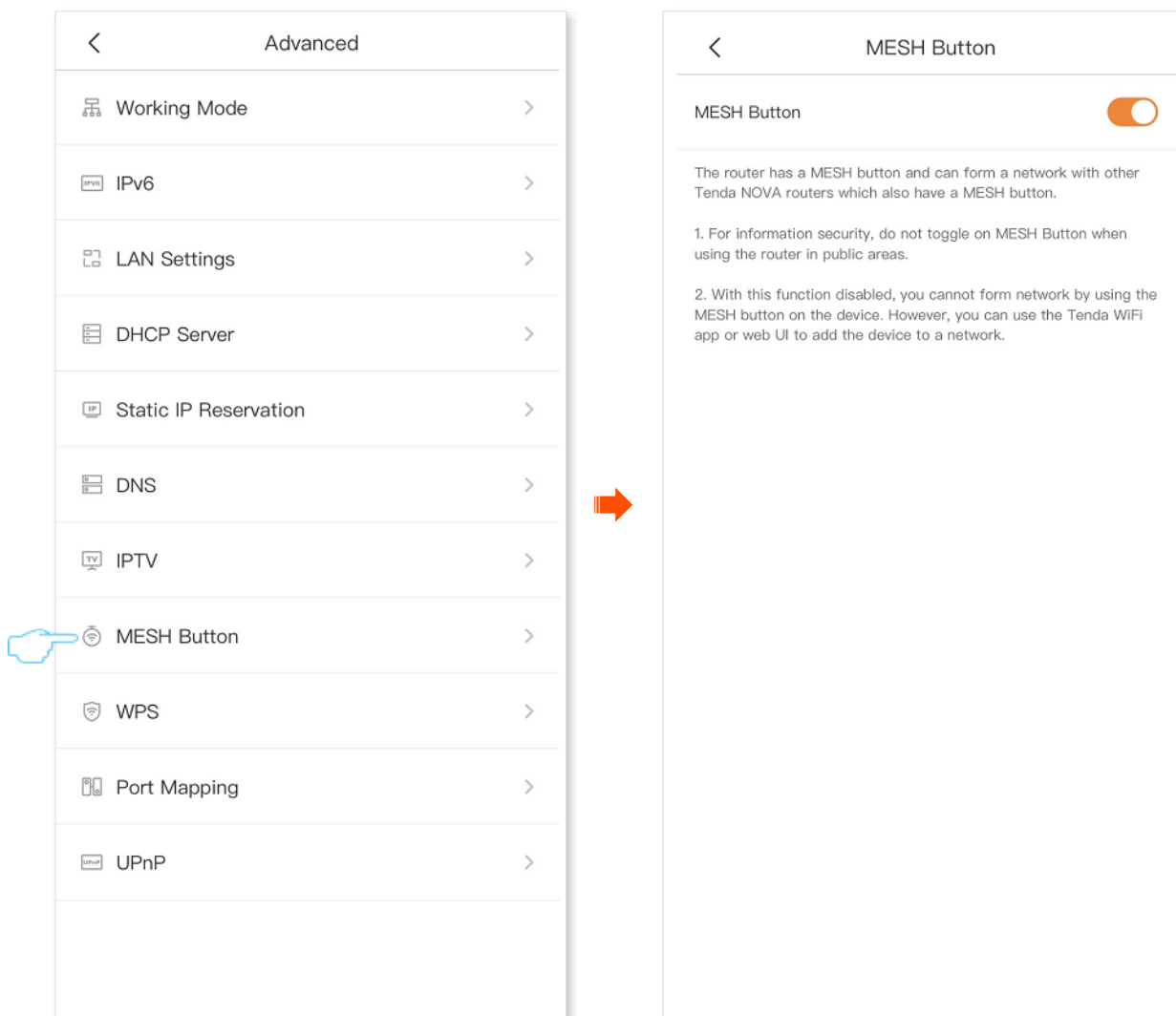
In this section, you can enable or disable the MESH button function.

- Once enabled, the router can network with other Tenda WiFi+ routers through the networking button (WPS or WPS/MESH) on the body. For details, see [MESH button networking](#).



If you use this router in a public place, do not enable the MESH button function to ensure information security.

- Once disabled, the router cannot be networked through the networking button (WPS or WPS/MESH) on the body, but can be networked through [Scan networking](#) and [Wired networking](#).



WPS

The WPS function enables WiFi-enabled devices, such as smartphones, to connect to WiFi networks of the wireless router without entering the password.



TIP

- This function only applies to WPS-enabled WiFi devices. It is enabled by default and cannot be disabled.
- WiFi networks encrypted with WPA3 cannot be connected through WPS.
- The WPS negotiation times out in 120 seconds. The **WPS** button is disabled during WPS negotiation.

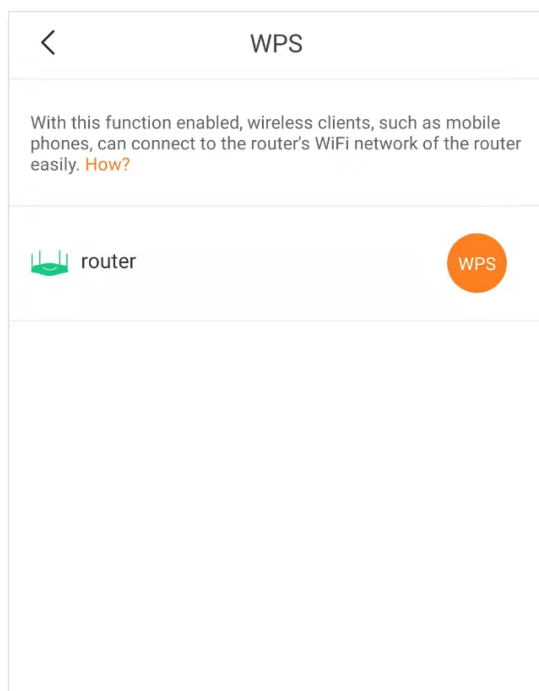
To connect a device to the Wi-Fi network using the WPS function:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > Advanced > WPS**.

Step 2 Tap the WPS button on the row where the wireless router resides.

Countdown starts when the WPS function is enabled.

Step 3 Enable the WPS function on the WPS-supported device within 2 minutes to start WPS negotiation.



---End

Now the WPS-supported device is connected to the internet.

Port mapping

The Port Forwarding function enables you to access your LAN resources, such as resources on a web server or an FTP server, through the internet.



- Before the configuration, ensure that the wireless router obtains a public IP address. Otherwise, this function will not work properly. Common IPv4 addresses are categorized into Class A, Class B and Class C. Private IP addresses of Class A range from 10.0.0.0 to 10.255.255.255; Private IP addresses of Class B range from 172.16.0.0 to 172.31.255.255; Private IP addresses of Class C range from 192.168.0.0 to 192.168.255.255.
- ISPs may block unreported web services from being accessed with the default port number 80. Therefore, when the default WAN port number is 80, please change it to an uncommon port number (1025 to 65535), such as 9999.
- The internal port number can be different from the external port number.

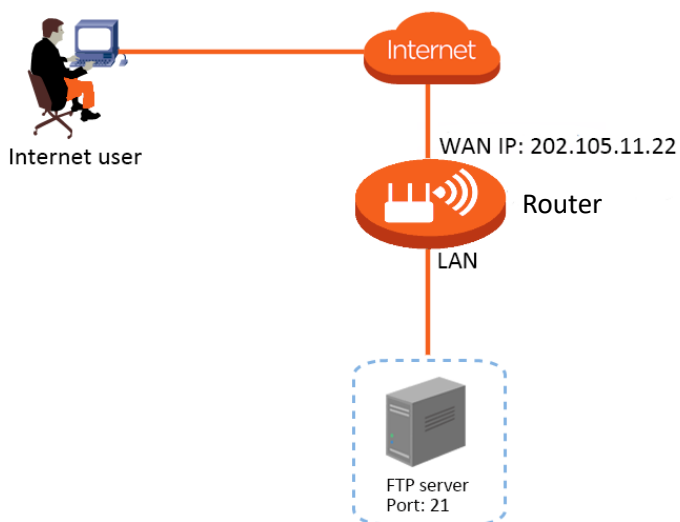
An example of configuring the port forwarding function:

Scenario: You have an FTP server within the LAN.

Goal: Open the FTP server to internet users and enable family members to access the resources of the FTP server when they are not at home.

Solution: You can configure the port forwarding function to reach the goal. Assume that:

- WAN IP address of the wireless router: 202.105.11.22
- Service port of the FTP server: 21



Procedure:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > Advanced > Port Forwarding**.

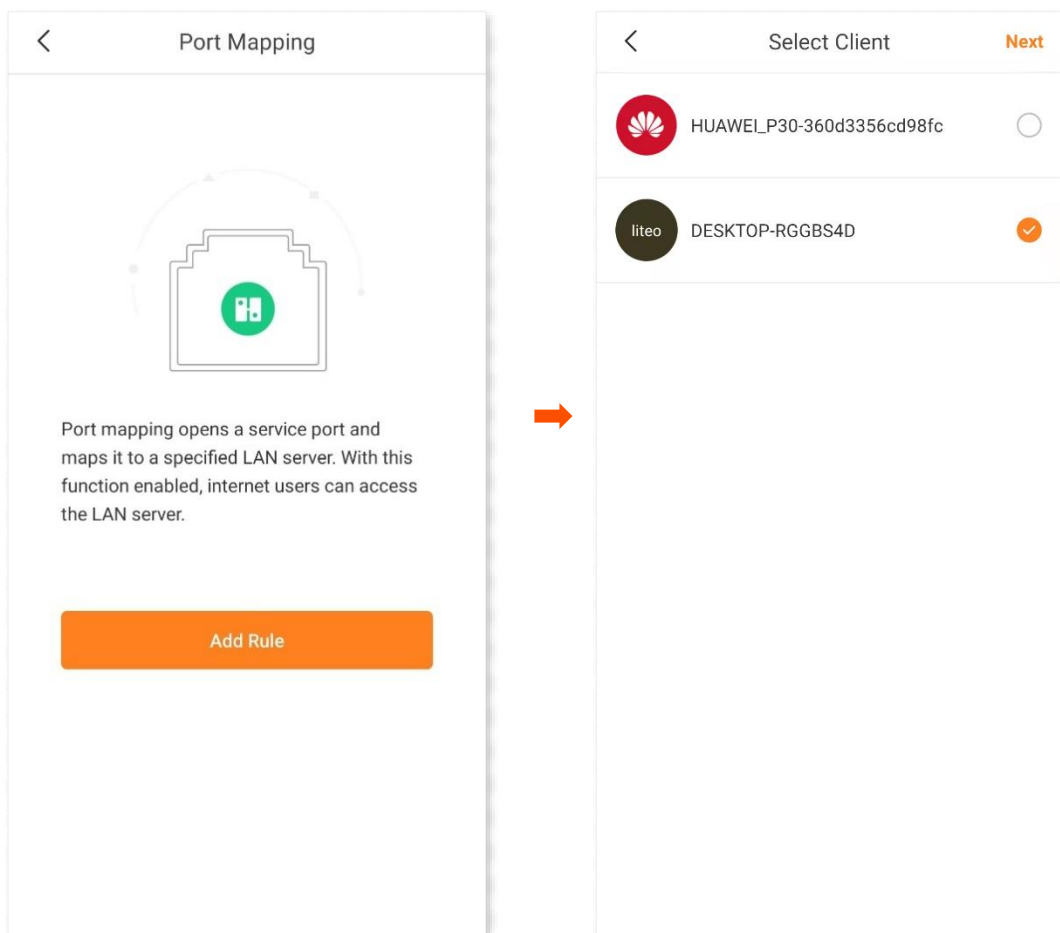
Step 2 Tap **Add Rule**.

Step 3 Select the device to which the rule applies, and tap **Next**.

Step 4 Set up a port forwarding rule.

- **Common Service and Port (Optional)**: Optional. The App presets some common services and their port numbers, such as FTP and TELNET. You can select one as required, and the **Internet Port** and **External Port** are automatically populated. **21 (FTP)** is selected in this example.
- **Internal Port**: The service port of the server on the LAN, which is **21** in this example.
- **External Port**: The port opened for internet users, which is **21** in this example.
- **Protocol**: The protocol of the service. If you are not sure about it, you can select **TCP&UDP**.

Step 5 Tap **Save**.



Port Mapping Rule

DESKTOP-RGGBS4D
192.168.0.103

Common Service and Port (Optional)
21 (FTP) >

Internal Port
21

External Port
21

Protocol

TCP&UDP TCP UDP

Save

---End

After the setting completes, internet users can visit “**Protocol name://WAN port IP address of the wireless router**” to access LAN resources on the FTP server. If the default internal port number is not used, internet users need to visit “**Protocol name://WAN port IP address of the wireless router: External port number**” to access the resources on the FTP server.

The address in this example is **ftp://202.105.11.22**. You can find the WAN port IP address of the wireless router on the [internet connection](#) page.

NOTE

If you cannot access the server after the setting completes, try the following solutions:

- Ensure that the WAN IP address of the wireless router is a public IP address, and the internal port number you entered is correct.
- Security software, antivirus software, and the built-in OS firewall of the server may cause port forwarding function failures. Disable them when using this function.
- Manually set an IP address for the server to avoid the service disconnection caused by the dynamic IP address.

UPnP

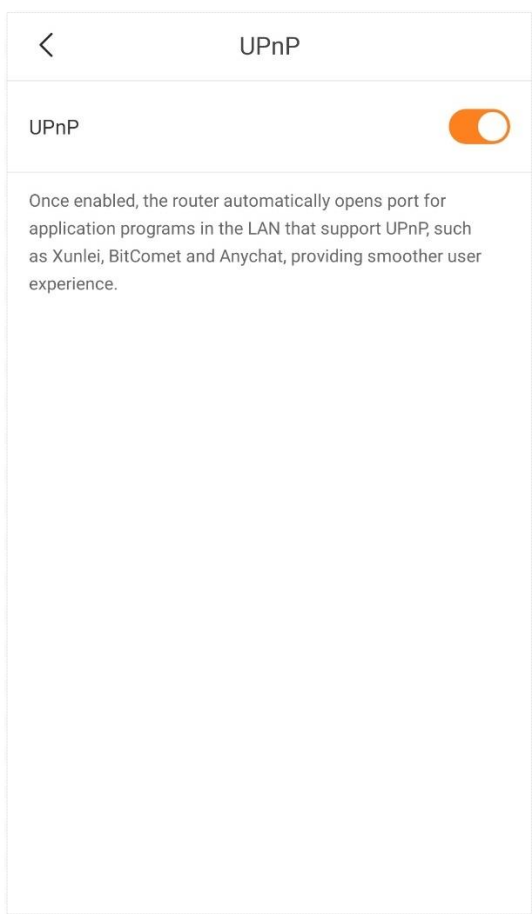
UPnP is short for Universal Plug and Play. This function enables the wireless router to open port automatically for UPnP-based programs. It is generally used for P2P programs, such as BitComet and AnyChat, and helps increase the download speed.

This function is enabled by default.

To enable or disable the UPnP function:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > Advanced > UPnP**.

Step 2 Enable or disable the **UPnP** function as required.



---End

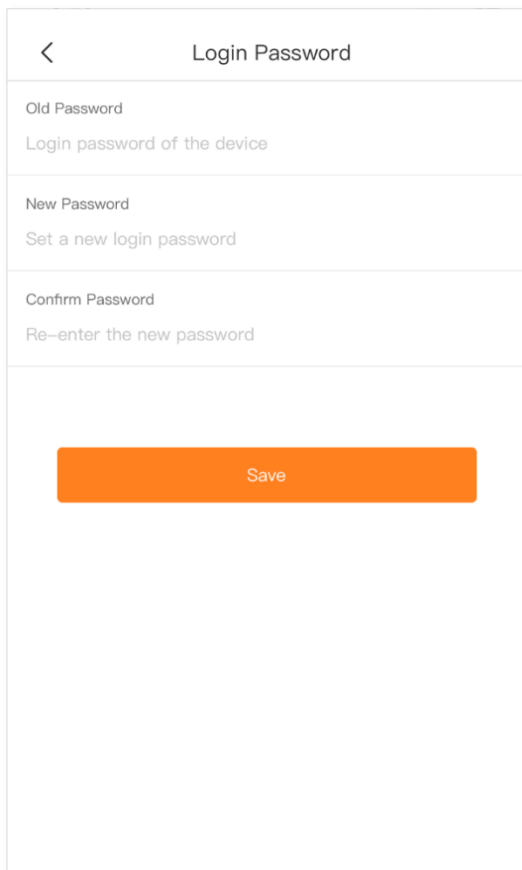
System settings

Login password

To ensure network security, a login password is recommended. A login password consisting of more types of characters, such as uppercase letters and lowercase letters, brings higher security.

Run the **Tenda WiFi App**, and go to **Settings > Login Password**.

If you have already set a login password, you can change the password on this page and the old password is required.



The screenshot shows the 'Login Password' settings page in the Tenda WiFi App. At the top, there is a back arrow and the title 'Login Password'. Below the title, there are three sections for password input:

- Old Password**: Labeled 'Login password of the device'.
- New Password**: Labeled 'Set a new login password'.
- Confirm Password**: Labeled 'Re-enter the new password'.

At the bottom of the page, there is a large orange button labeled 'Save'.

Auto system maintenance

This function reboots the wireless router regularly to keep them in the best working condition. You can set up the auto system maintenance function here.

Procedure:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > Auto System Maintenance**.

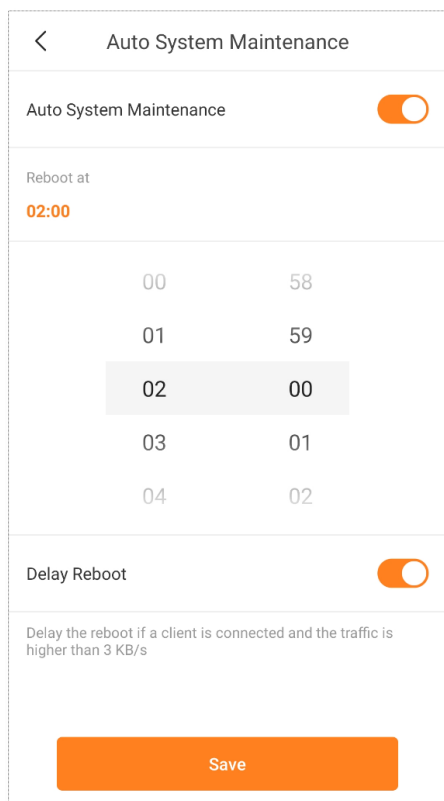
Step 2 Enable **Auto System Maintenance**.

Step 3 Select a reboot time for **Reboot at**.

You are recommended to set a time when your network is idle. **02:00** is used as an example.

Step 4 Enable or disable the **Delay Reboot** function as required.

Step 5 Tap **Save**.



TIP

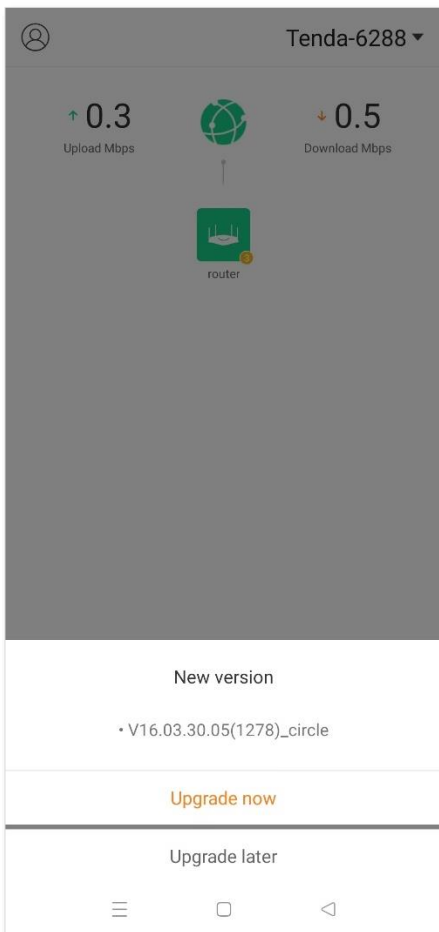
If devices are exchanging data and the traffic is greater than 3 KB/s, the wireless router will not reboot at the specified time even when the **Delay Reboot** function is enabled. Within 2 hours after the specified reboot time, the wireless router keeps detecting the traffic, and reboots once when the traffic is lower than 3 KB/s for 0.5h. Otherwise, the wireless router will reboot the next day at the specified reboot time.

---End

Now the wireless router will automatically reboot at the specified time.

Firmware upgrade

Tenda is dedicated to improving its products to bring users better performance. Please update the firmware when the App notifies that a new firmware version is available.



Do not remove the power supply of the wireless router during the upgrade.

If the preceding figure is not displayed when you start the **Tenda WiFi App**, follow the steps below to update your firmware.

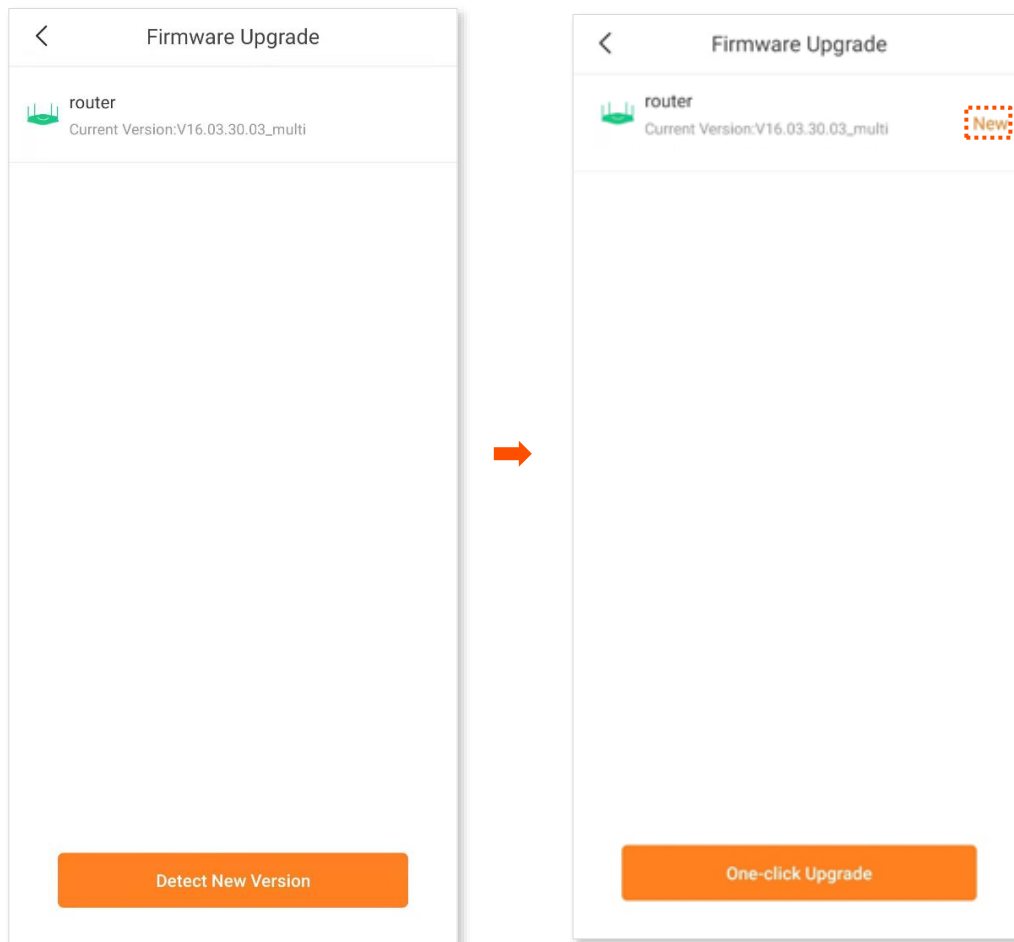
Procedure:

Step 1 Run the **Tenda WiFi App**, and go to **Settings > Firmware Upgrade**.

Step 2 Tap **Detect New Version**.

New appears if a new firmware version is detected.

Step 3 Tap **One-click Upgrade** to upgrade.



---End

Wait until the upgrade completes. Then, access the **Firmware Upgrade** page again and check whether the upgrade is successful based on **Current Version**.

Acronyms and abbreviations

Acronym or Abbreviation	Full Spelling
AP	Access point
DDNS	Dynamic Domain Name System
DHCP	Dynamic Host Configuration Protocol
DHCPv6	Dynamic Host Configuration Protocol for IPv6
DMZ	Demilitarized zone
DNS	Domain Name System
DSL	Digital subscriber line
DST	Daylight Saving Time
FTP	File Transfer Protocol
IP	Internet Protocol
IPTV	Internet Protocol television
IPv4	Internet Protocol version 4
IPv6	Internet Protocol version 6
ISP	Internet service provider
L2TP	Layer 2 Tunneling Protocol
LAN	Local area network
LED	Light-emitting diode
MAC	Medium access control

Acronym or Abbreviation	Full Spelling
MTU	Maximum Transmission Unit
OS	Operating system
PPPoE	Point-to-Point Protocol over Ethernet
PPTP	Point to Point Tunneling Protocol
STB	Set-top box
TCP	Transmission Control Protocol
UI	User interface
UPnP	Universal Plug and Play
URL	Uniform Resource Locator
VLAN	Virtual local area network
WAN	Wide area network
WPA	WiFi Protected Access
WPS	WiFi Protected Setup