Tenda

User Guide

Tenda WiFi App
For Home Wireless Routers

www.tendacn.com

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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: *XX*:*XX*:*XX*:*XX*:*XX*:*XX*
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 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.

The related documents are listed as below.

Document	Description
Datasheet	It introduces the basic information of the device, including product overview, selling points, and specifications.
Quick Installation Guide	It introduces how to set up the device quickly for internet access, the descriptions of LED indicators, ports, and buttons, FAQ, statement information, and so on.
User Guide (web UI)	It introduces how to set up more functions of the device for more requirements, including all functions on the web UI of the device.
User Guide (App)	It introduces how to set up more functions of the device for more requirements through the Tenda WiFi app.

Technical Support

If you need more help, contact us by any of the following means. We will be glad to assist you as soon as possible.

Hotline	Global: (86) 755-27657180 (China Time Zone) United States: 1-800-570-5892 (Toll Free: 7 x 24 hours) Canada: 1-888-998-8966 (Toll Free: Mon - Fri 9 am - 6 pm PST) Hong Kong: 00852-81931998	Email	support@tenda.com.cn
Website	https://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
V2.0	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 router.

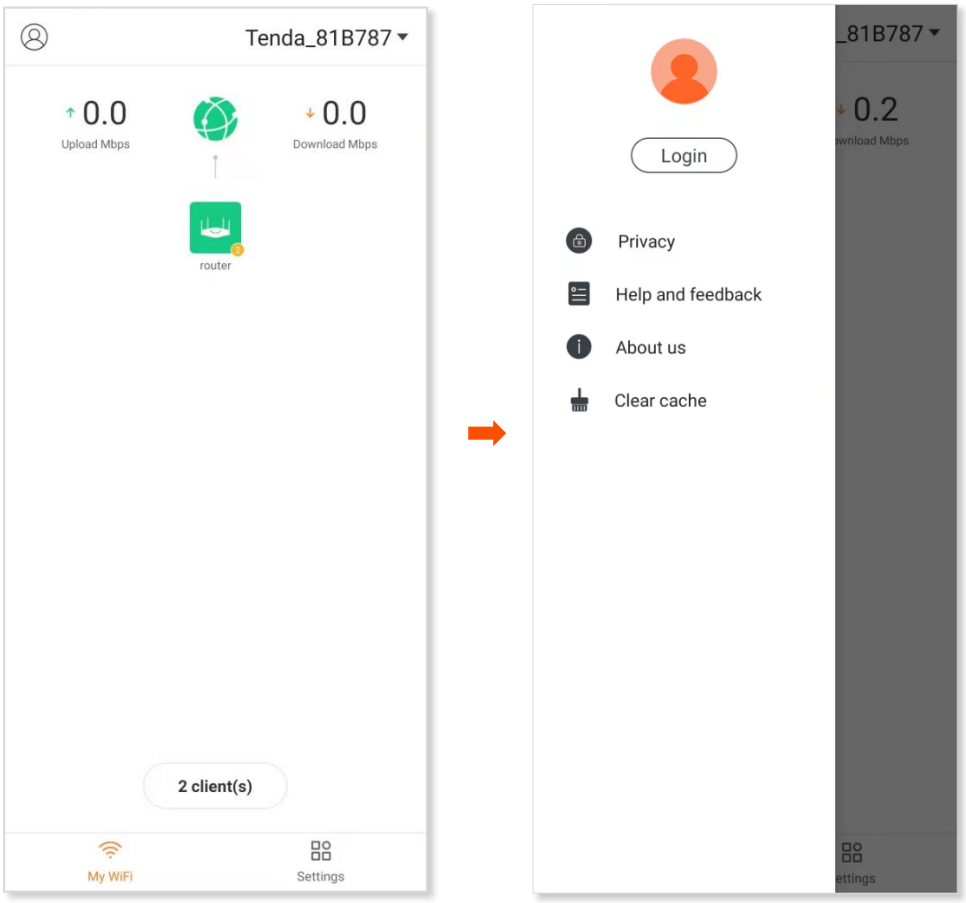
TIP

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**.



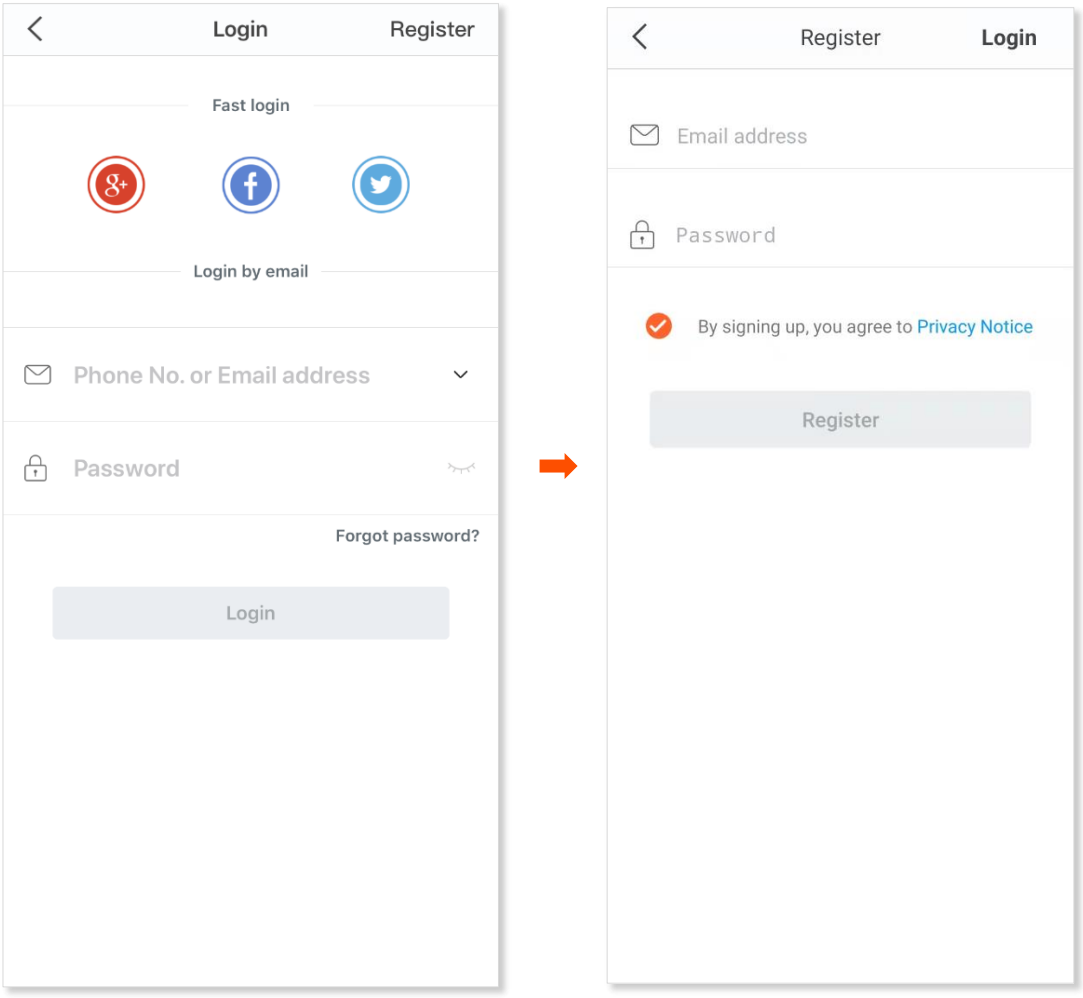
Step 3 Tap **Register** in the upper-right corner.

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**.

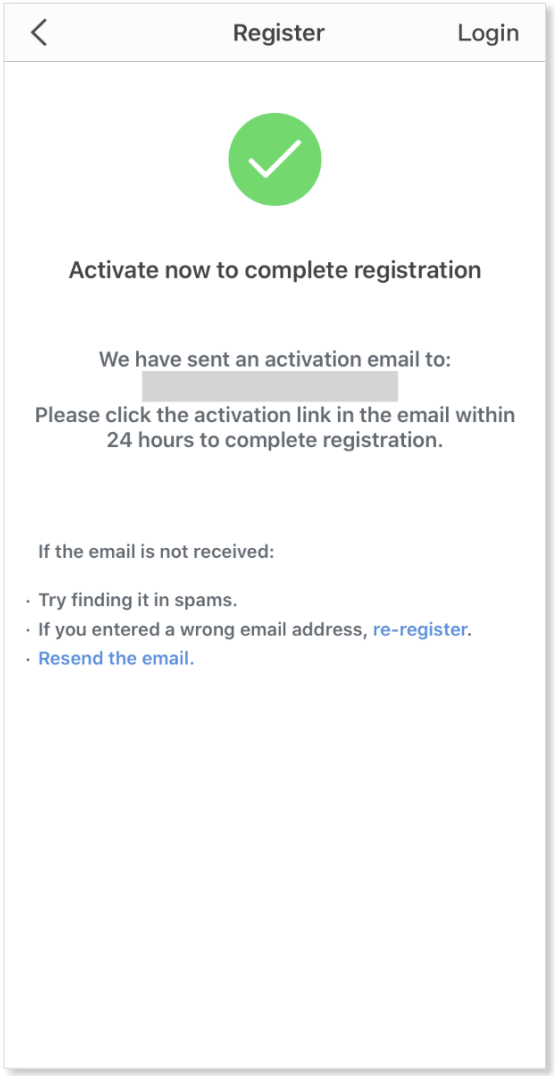


Step 8 An activation email is sent to the email account you entered. Check the email and activate the account as instructed in the email.

---End

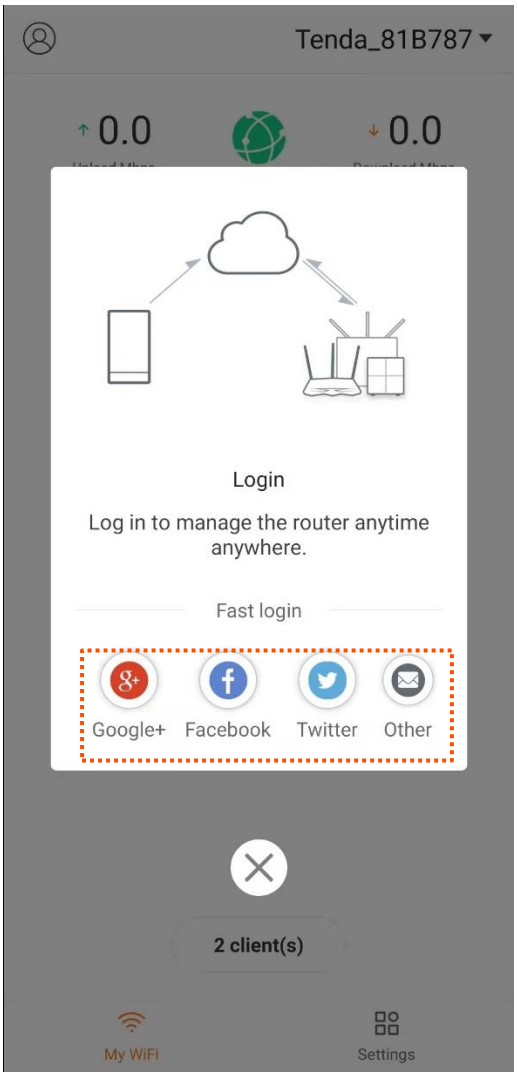
Registration completes.

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

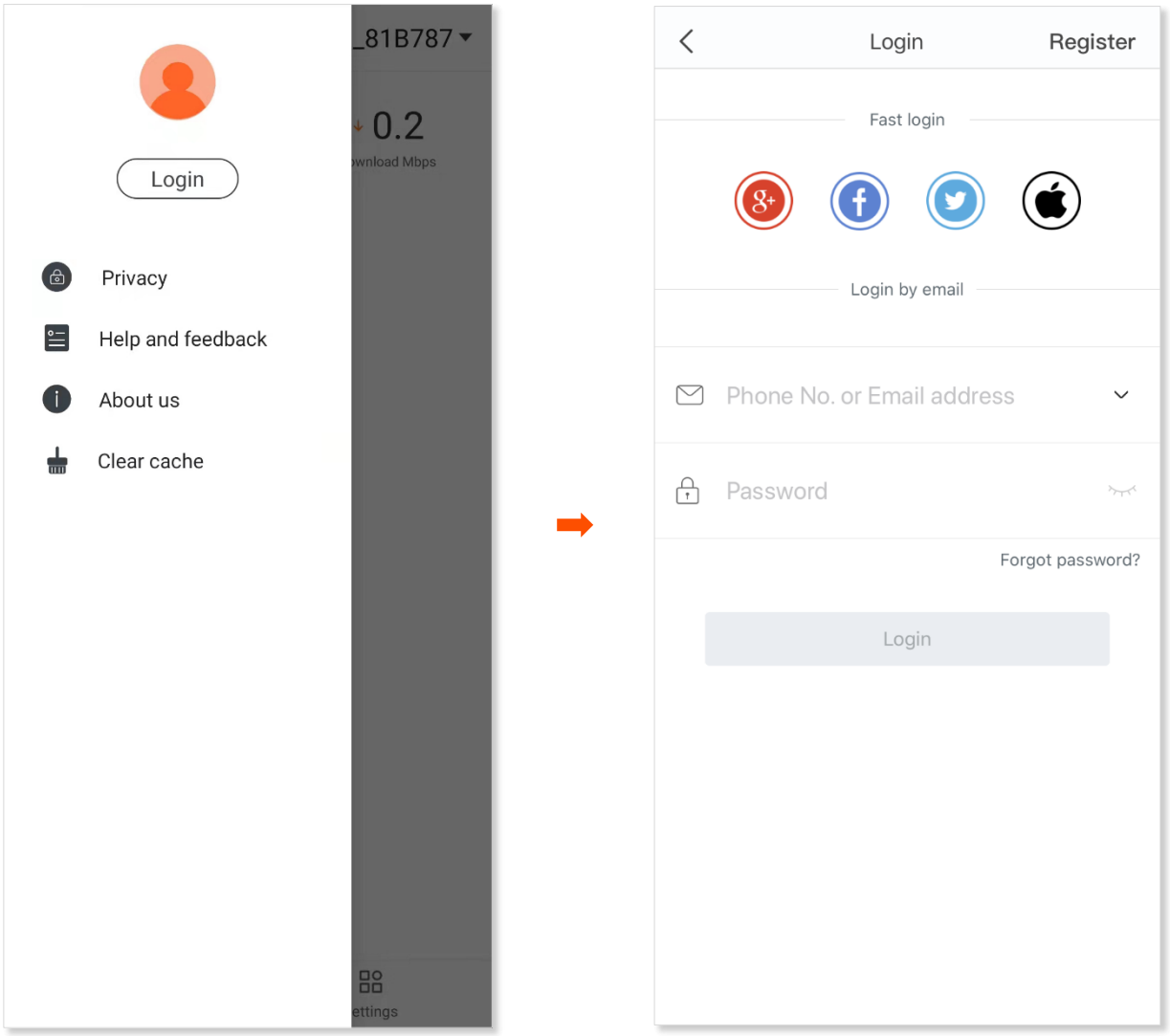


Log in to Tenda WiFi App

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 router, it becomes the administrator account of the 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 router.

---End

TIP

If the 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 router.

Step 2 Connect the WAN port of the router to the LAN port of your modem or the Ethernet jack using an Ethernet cable.

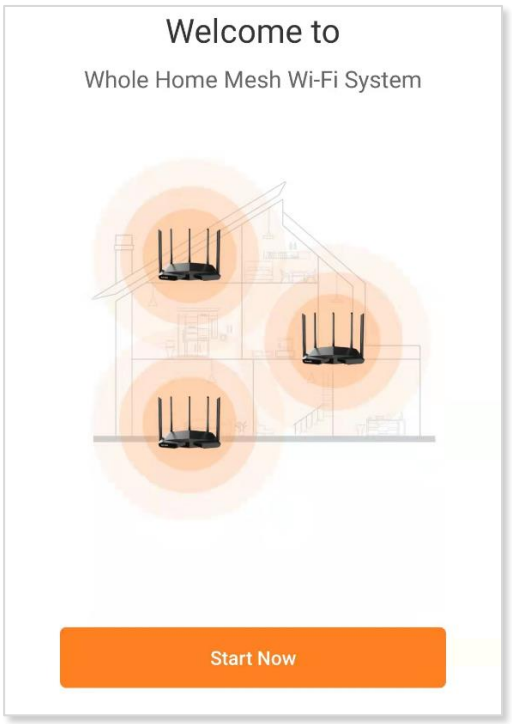
Step 3 Connect your smartphone to the WiFi network of the router.

TIP

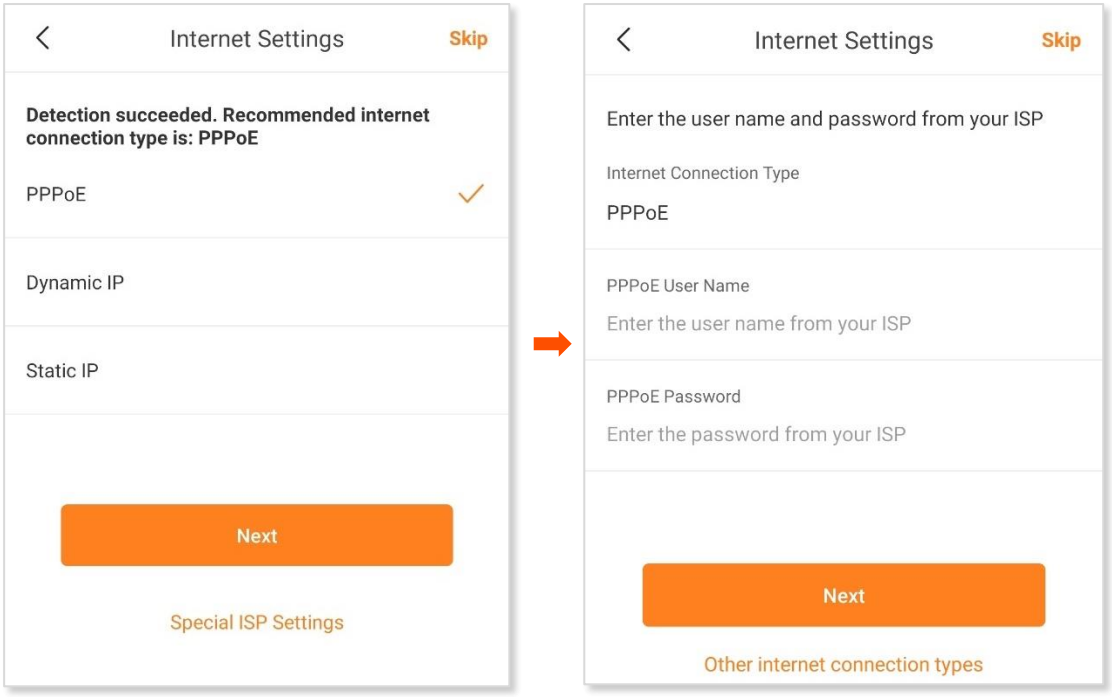
The default WiFi name and password can be found on the bottom label of the device.

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

Step 5 Tap **Start Now**.



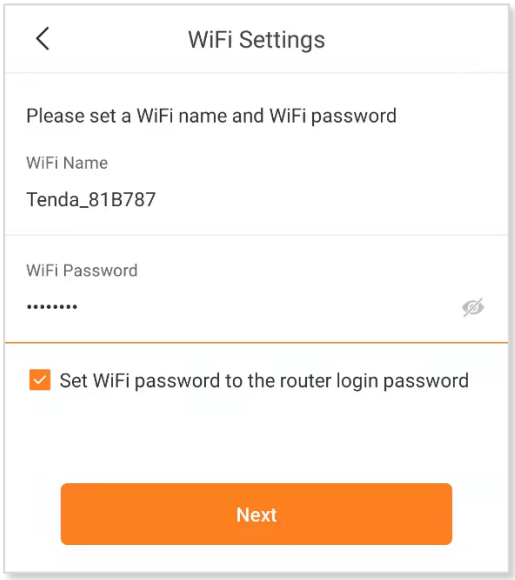
Step 6 Set required parameters (PPPoE is used for illustration here) and tap **Next**.



TIP

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

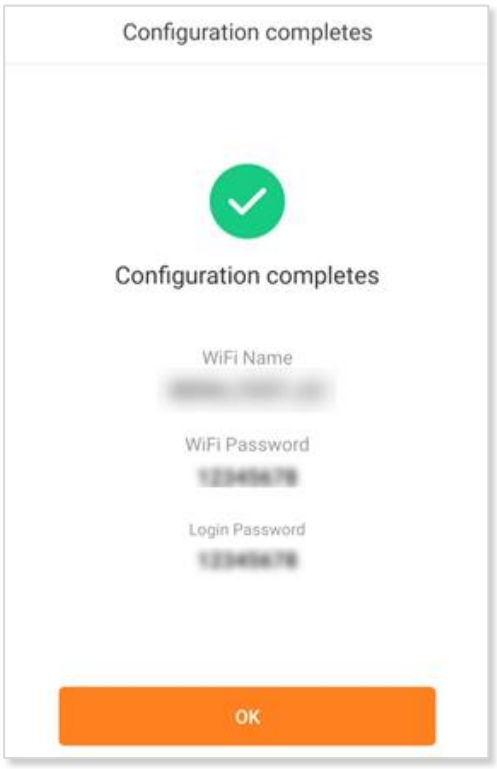
Step 7 Customize the **WiFi Name** and **WiFi Password**.



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 router support 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 router.

Procedure:

Step 1 Connect your smartphone to the WiFi network of your router.

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 router.

Prerequisites:

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

---End

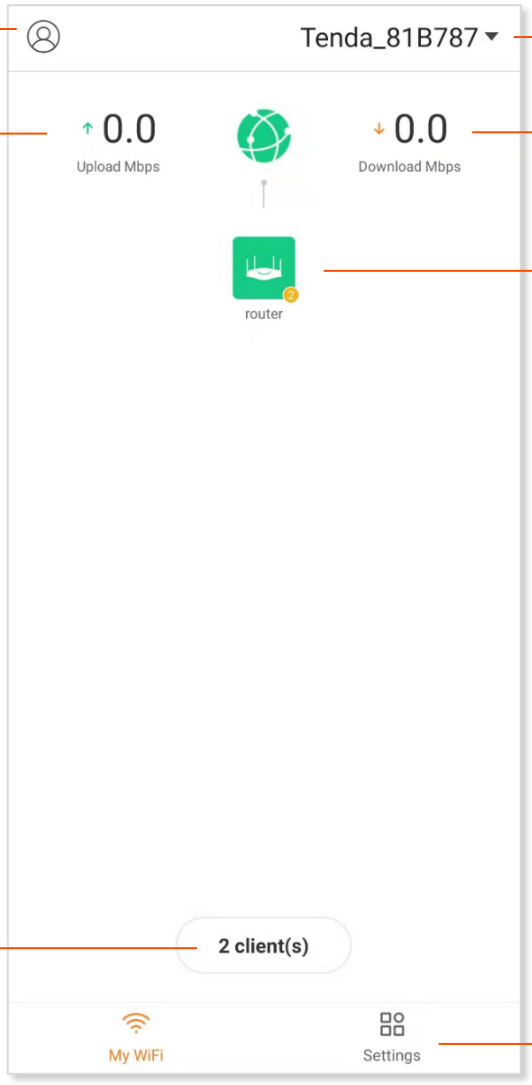
Now, you can manage your router remotely.

My WiFi

After the quick setup, the following page appears.

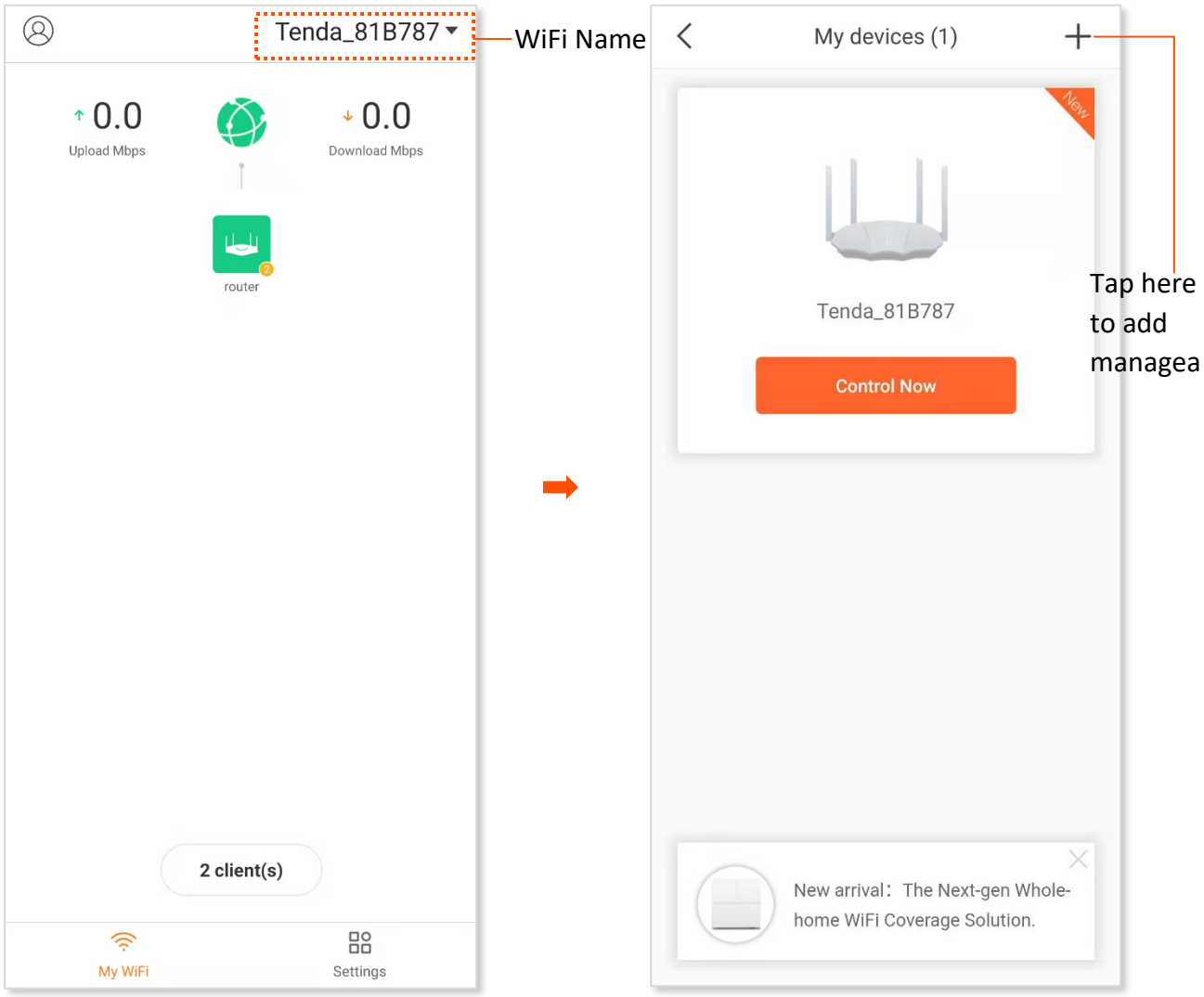
You can:

- View managed devices
- View internet status
- View router information
- Manage connected clients



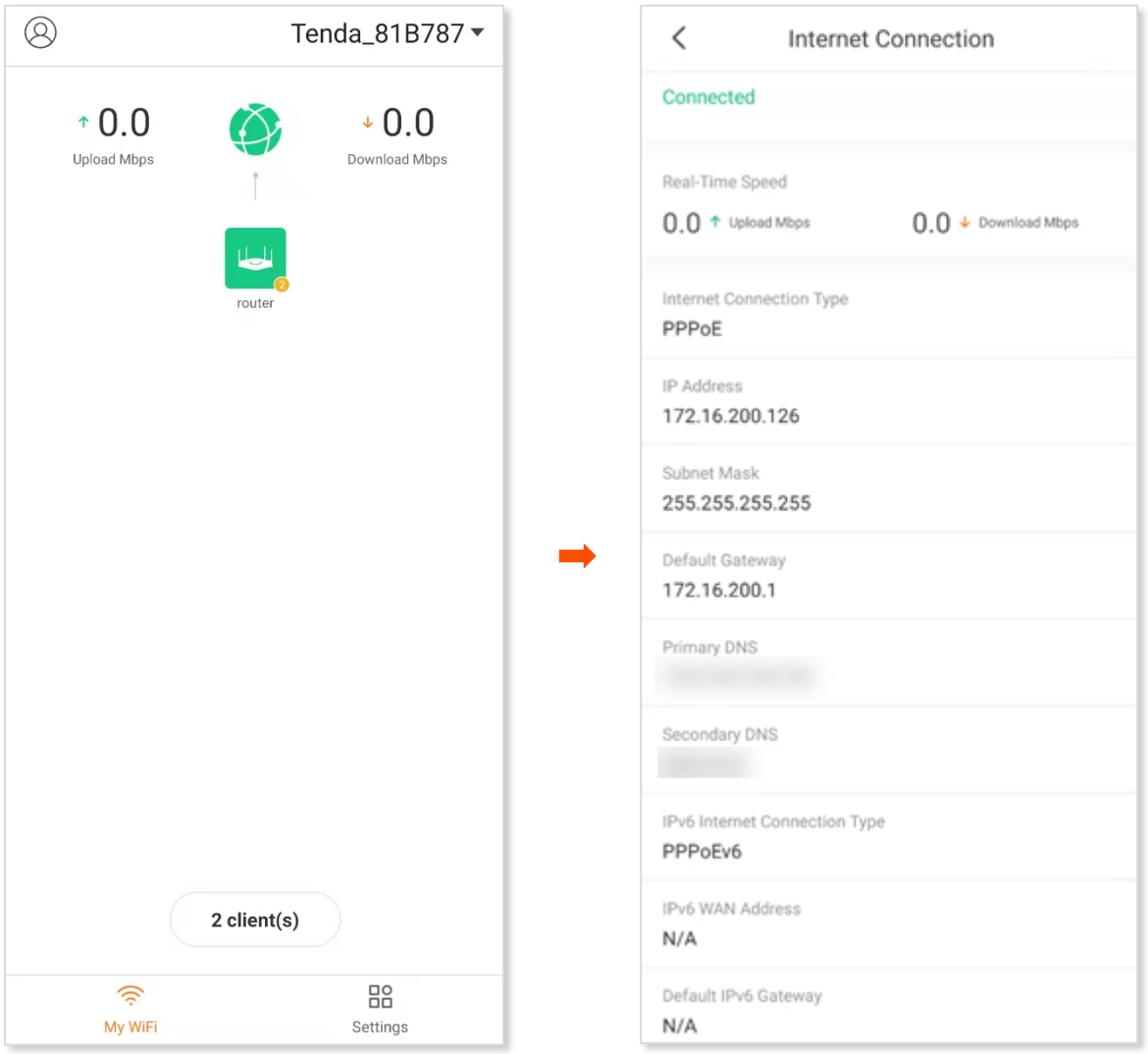
View managed devices

Tap the WiFi name in the upper-right corner of the **My WiFi** page to enter the **My devices** page. The devices that can be controlled will be listed here.



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.



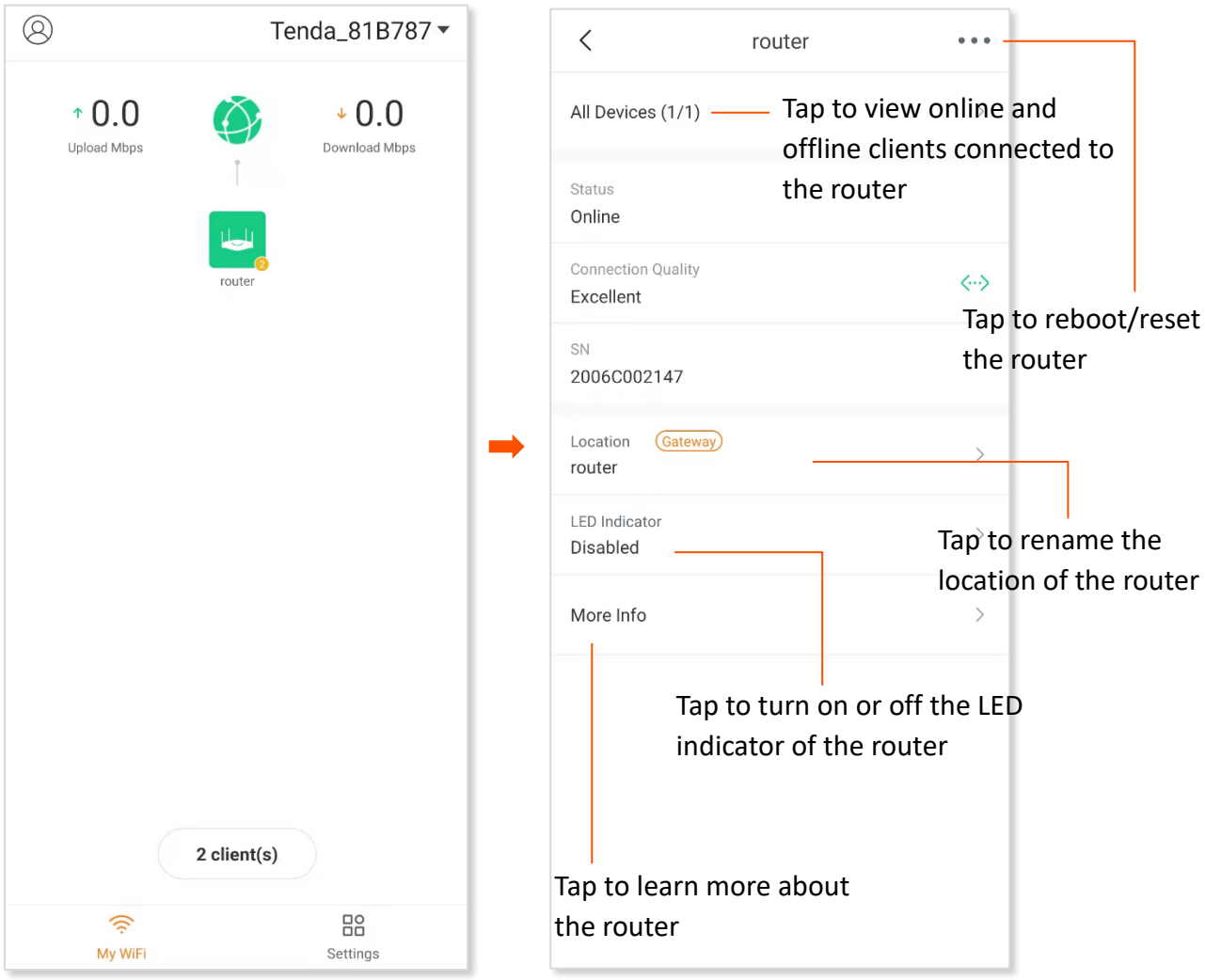
Parameter description

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

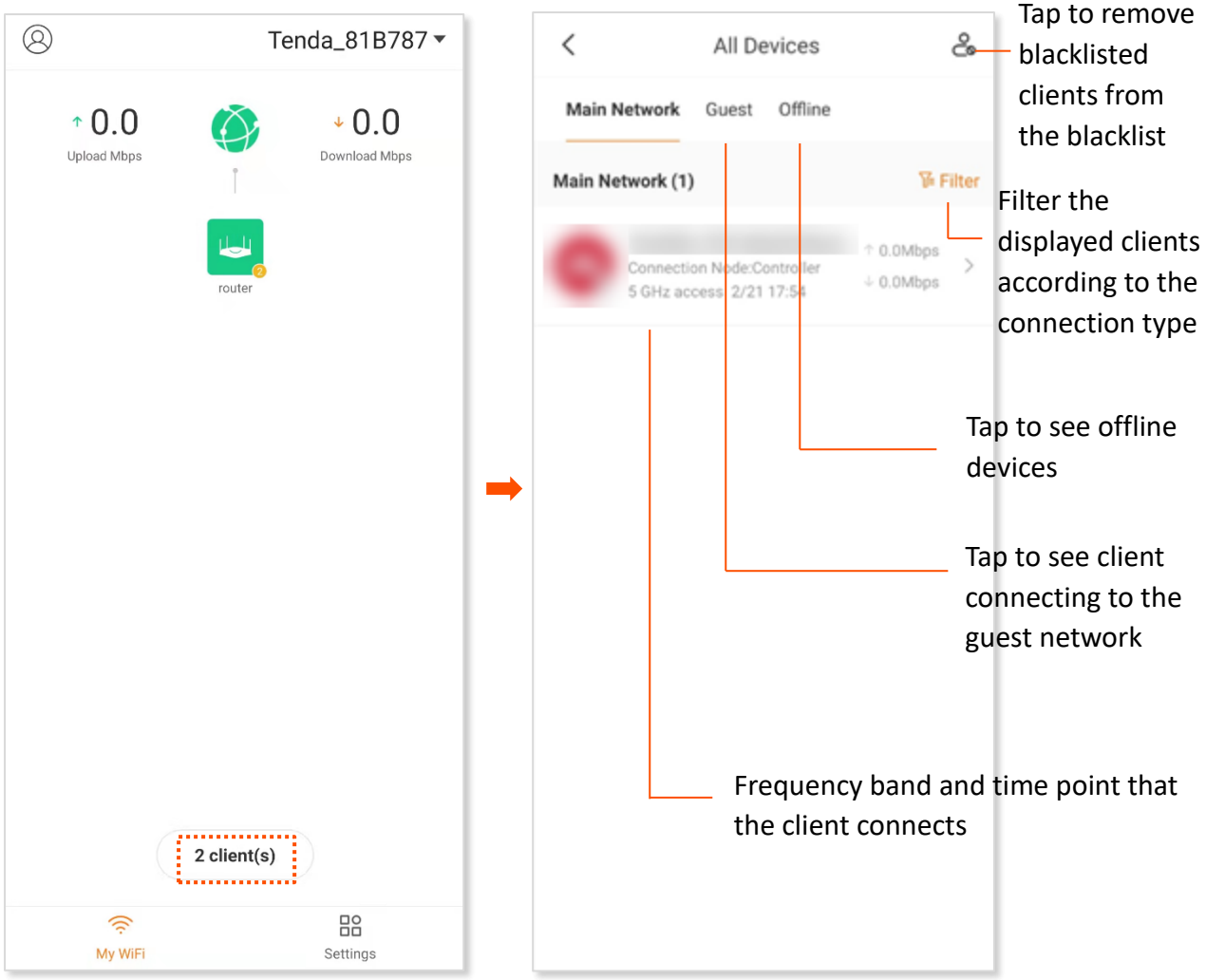
View router information

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.

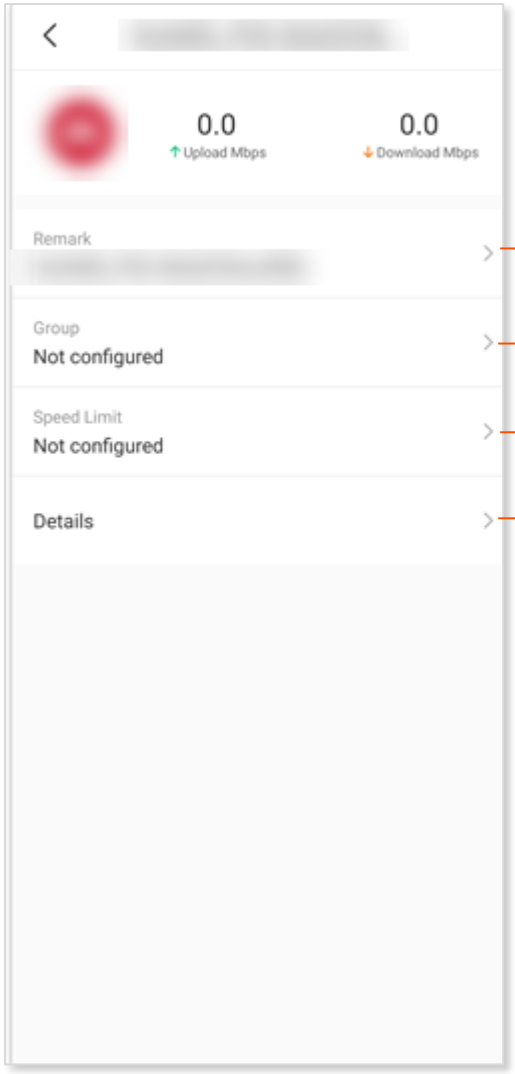


Manage connected clients

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



Tap any connected clients and the following page appears.



Tap to rename the client, such as **My Phone**

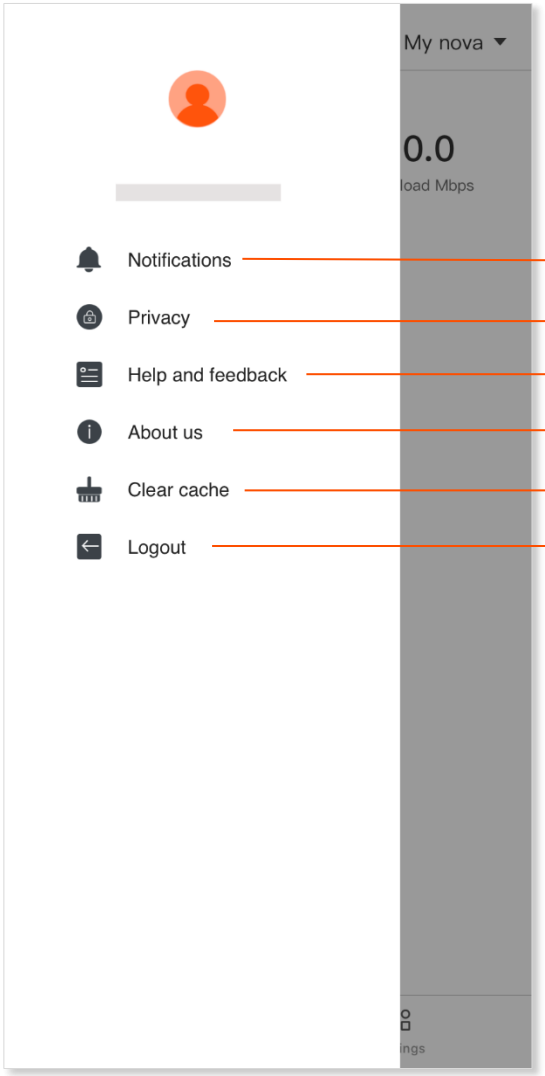
Tap to create a group or add the connected client to a group for the parental control function

Tap to set upload and download speed of the client

Tap to check the details of the connected client

My profile

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



Tap to set the notification preference

Tap to enable or disable Anonymous Analysis and Log Report

Tap to see FAQs or give us your feedback

Tap to upgrade the App or learn about Tenda

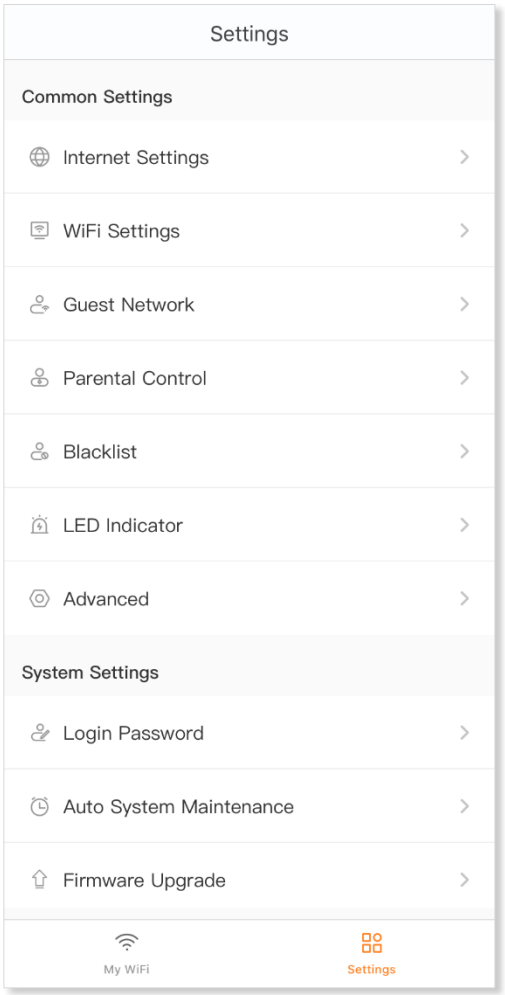
Tap to clear the cache for better performance

Tap to log out of the current account

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 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 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 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
Connect the router to a modem or Ethernet jack using an Ethernet cable.	PPPoE user name and password	PPPoE
	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

Procedure:

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

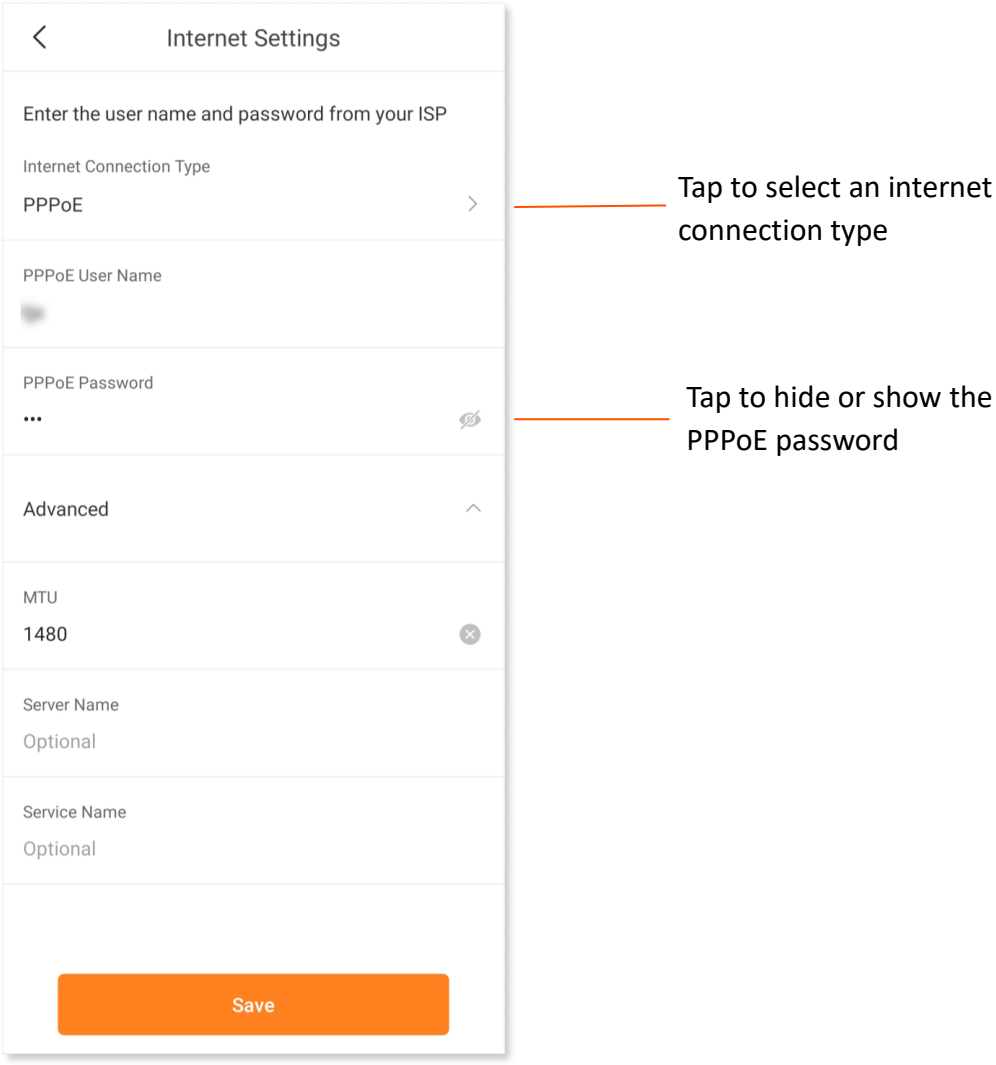
Step 2 Tap **Internet Connection Type**.

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**.



---End

Now you can access the internet.

Set up a dynamic IP address connection

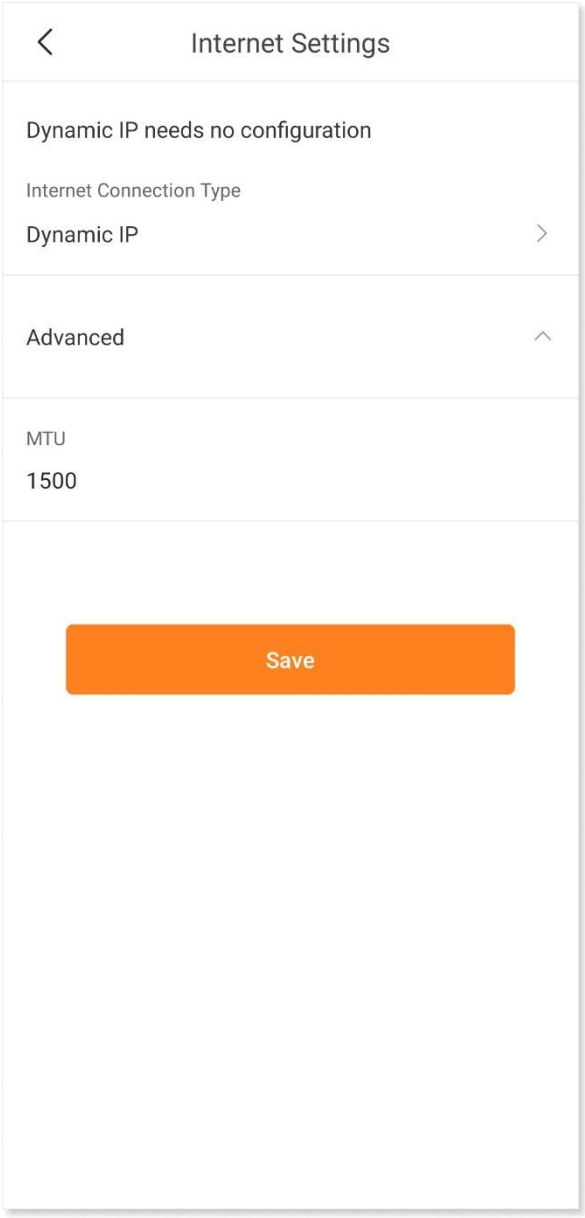
Procedure:

Step 1 Run the **Tenda WiFi** App, and choose **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

Procedure:

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

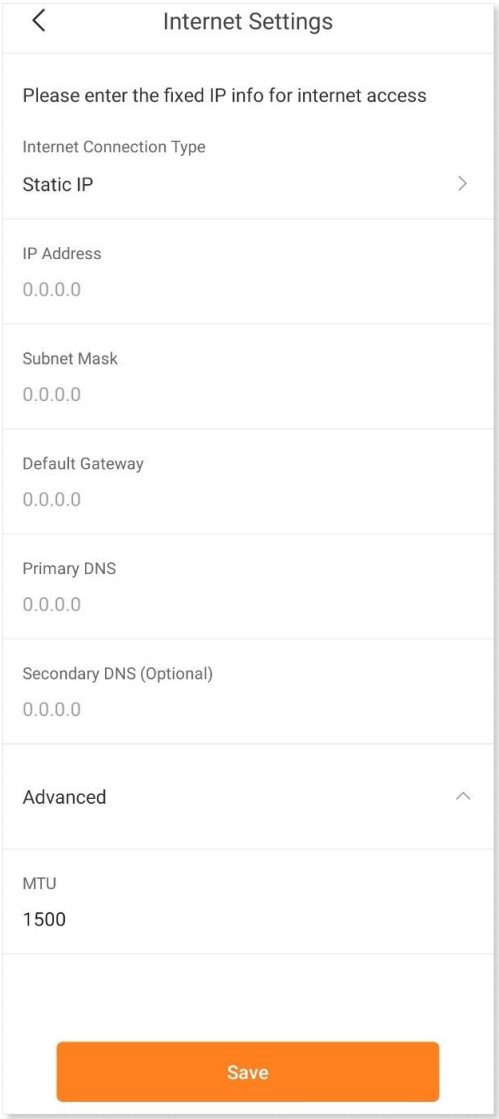
Step 2 Tap **Internet Connection Type**.

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**.



---End

Now you can access the internet.

Set up dual access connection

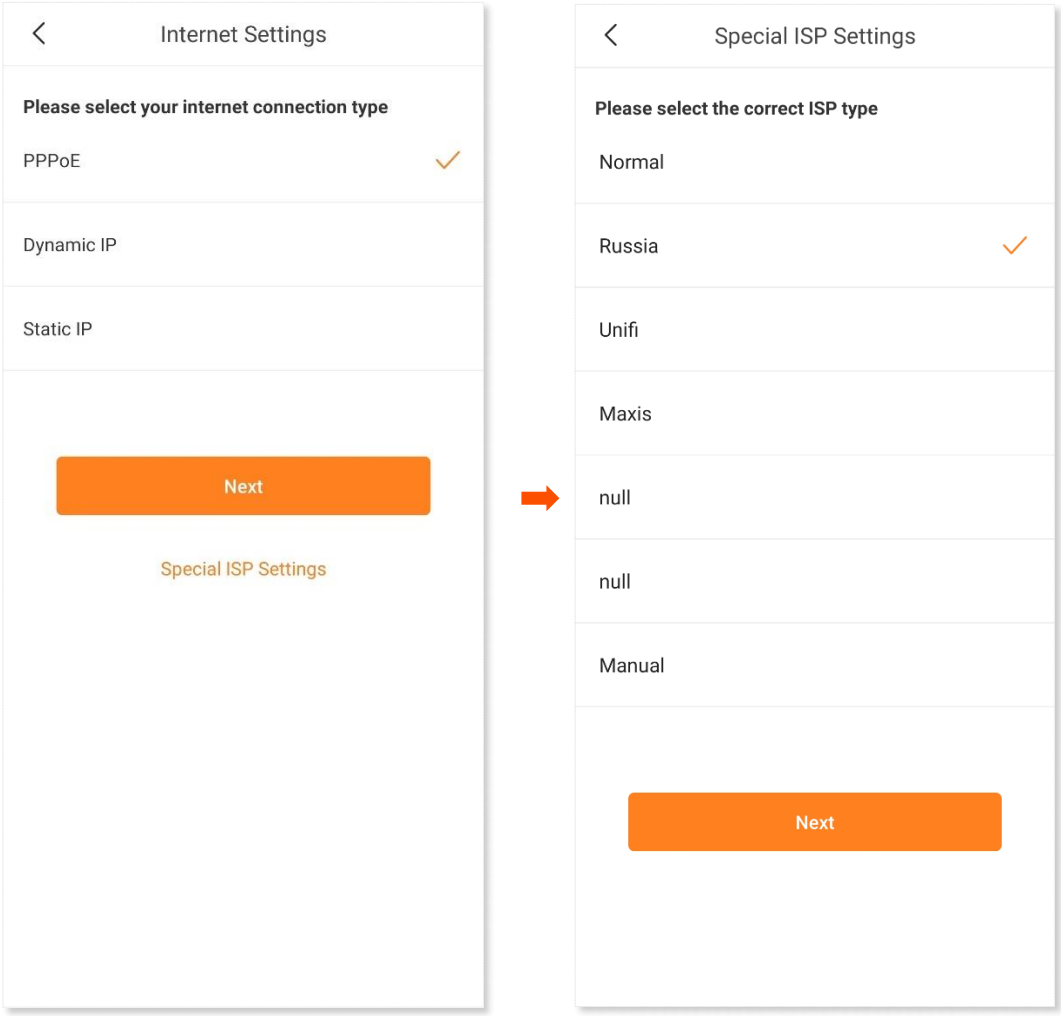
In countries like Russia, the ISP may require you to set up dual access. One is for access to the internet through PPPoE, PPTP or L2TP, and the other is for access to the “local” resources where the ISP is located through DHCP or static IP address. If your ISP provides such connection information, you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

Procedure:

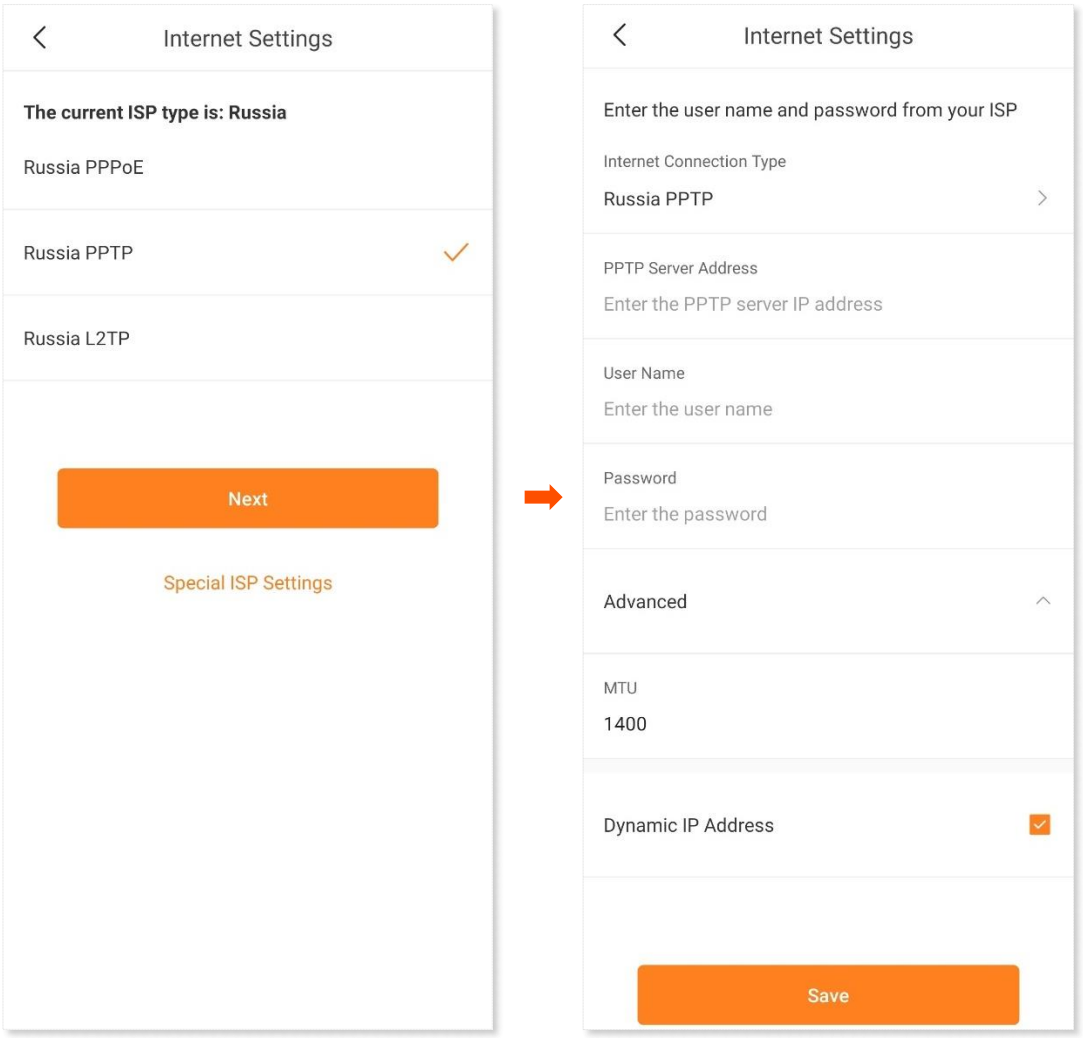
Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Internet Settings**.

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

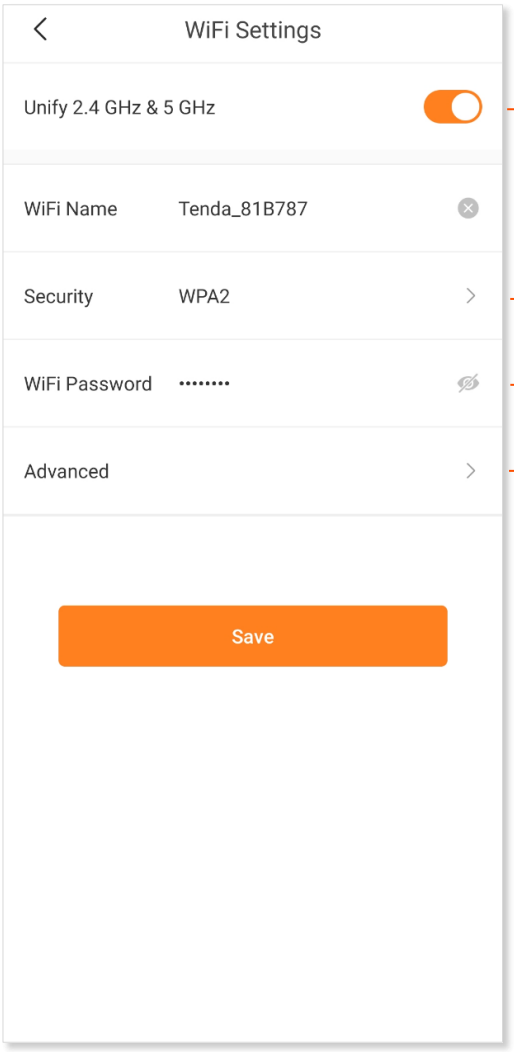
In this module, you can change the settings of your WiFi network, such as the WiFi name and WiFi password.

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

Step 1 Run the **Tenda WiFi** App, and choose **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 select the encryption type

Tap to hide or show the WiFi password

Tap to 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.

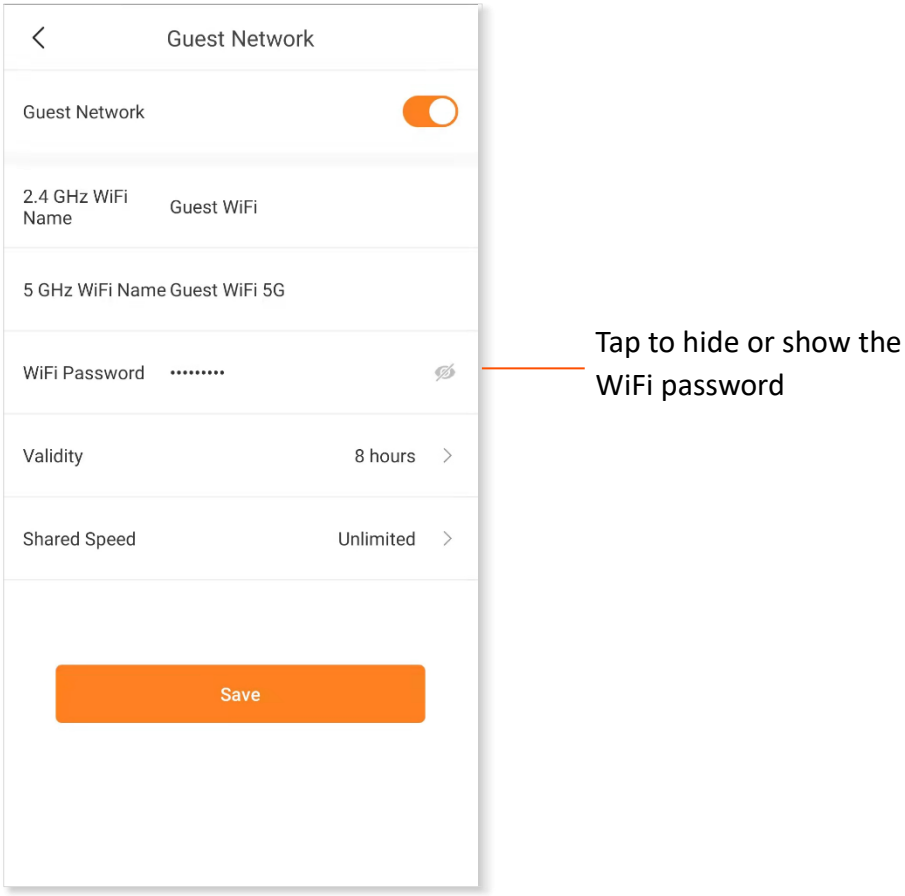
To set up a guest network:

Step 1 Run the **Tenda WiFi** App, and choose **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**.



---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

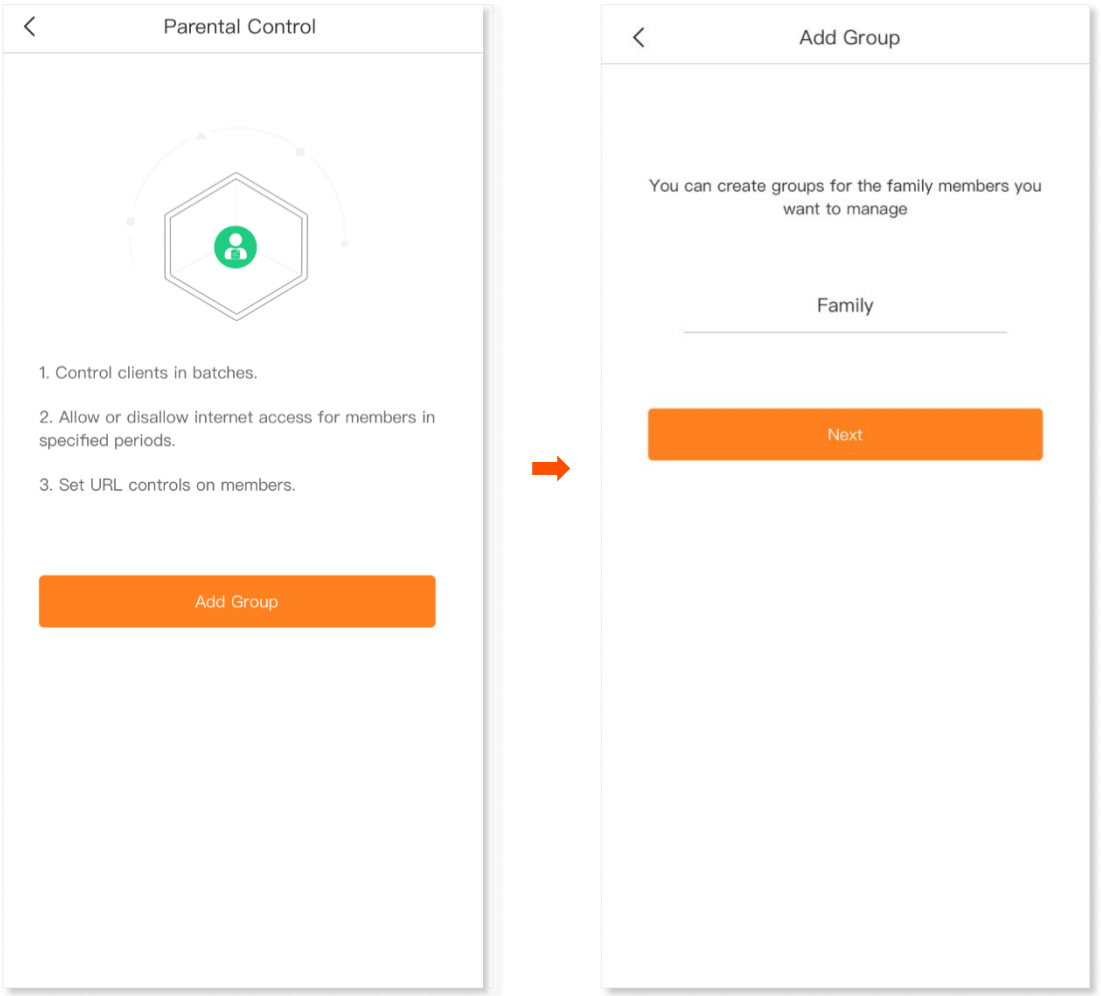
The parental control function enables you to create an appropriate time session for internet access for your family members.

To add a parental control rule:

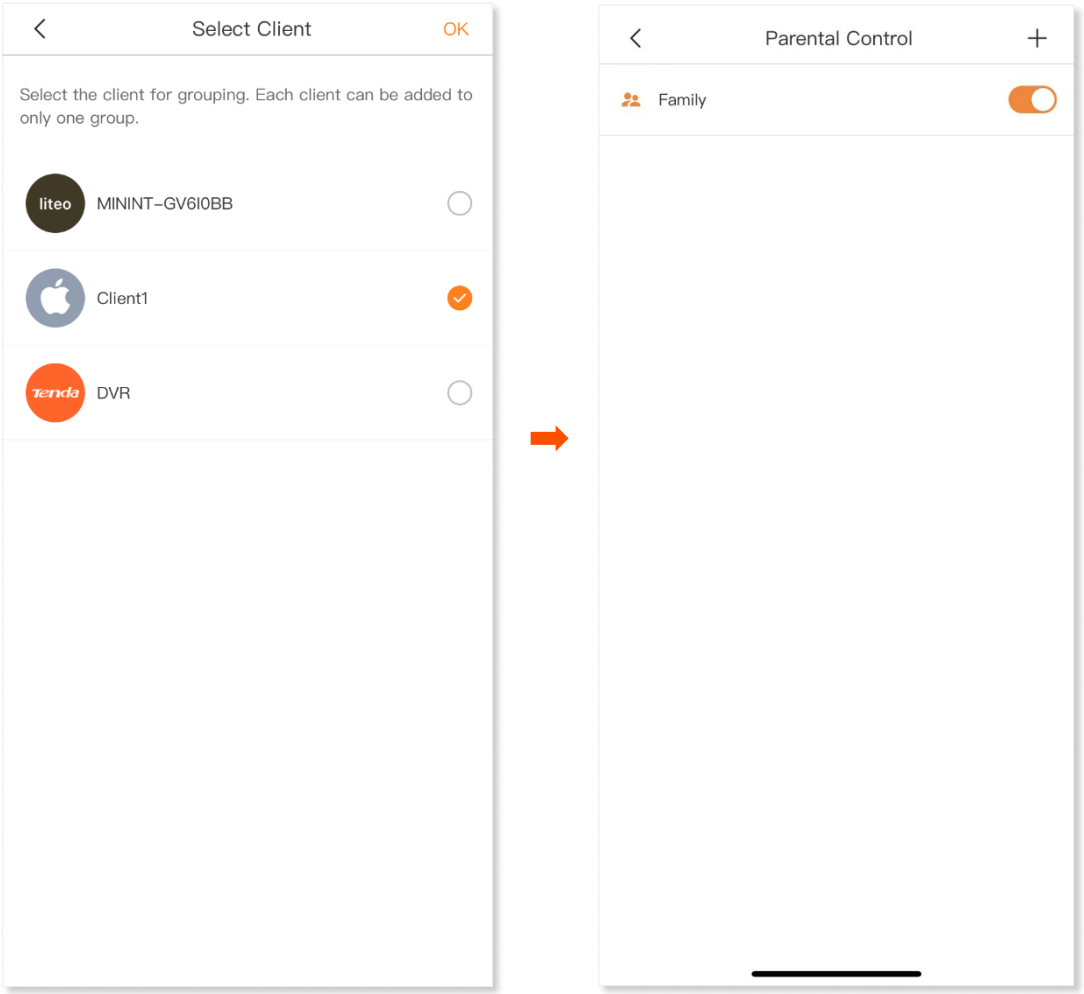
Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Parental Control**.

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.



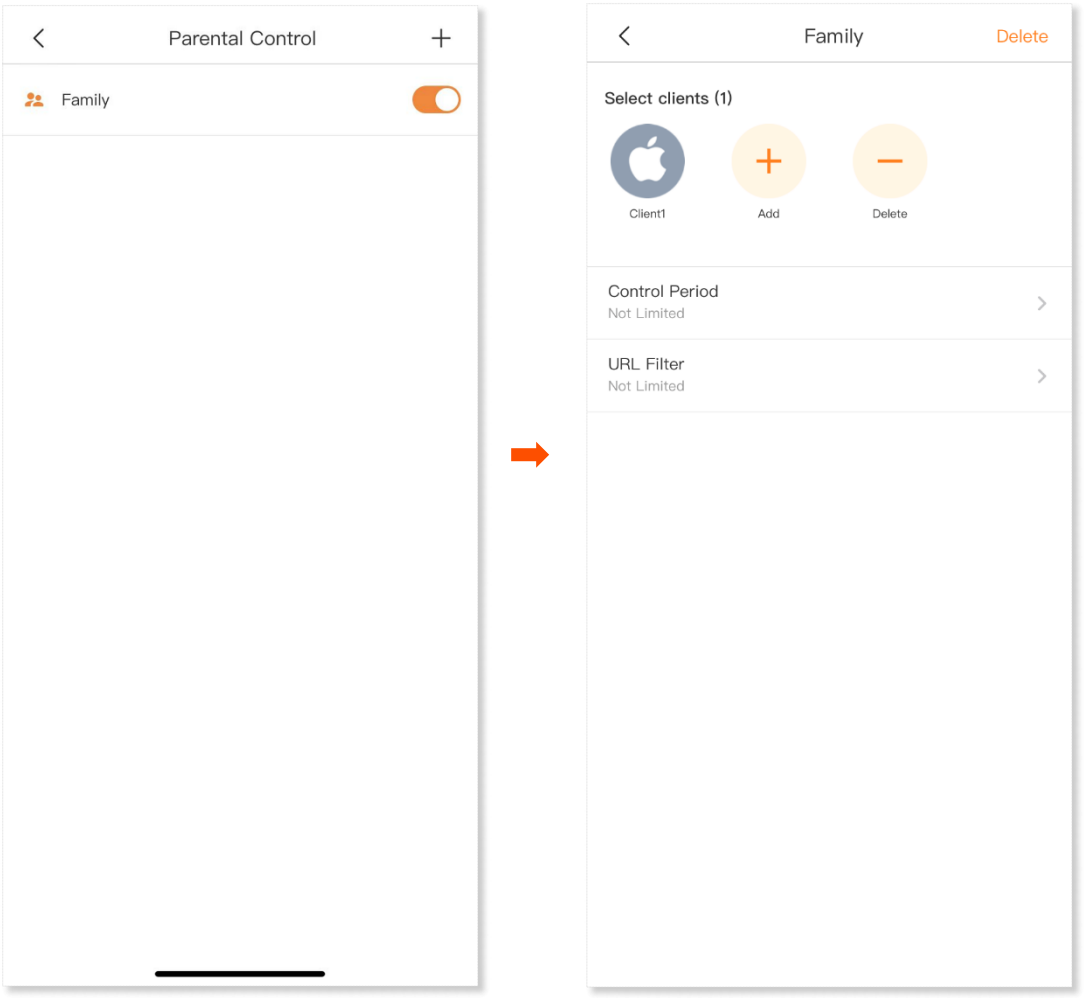
Step 3 Tap or to enable or disable the parental control rule.

indicates that the parental control rule is enabled.

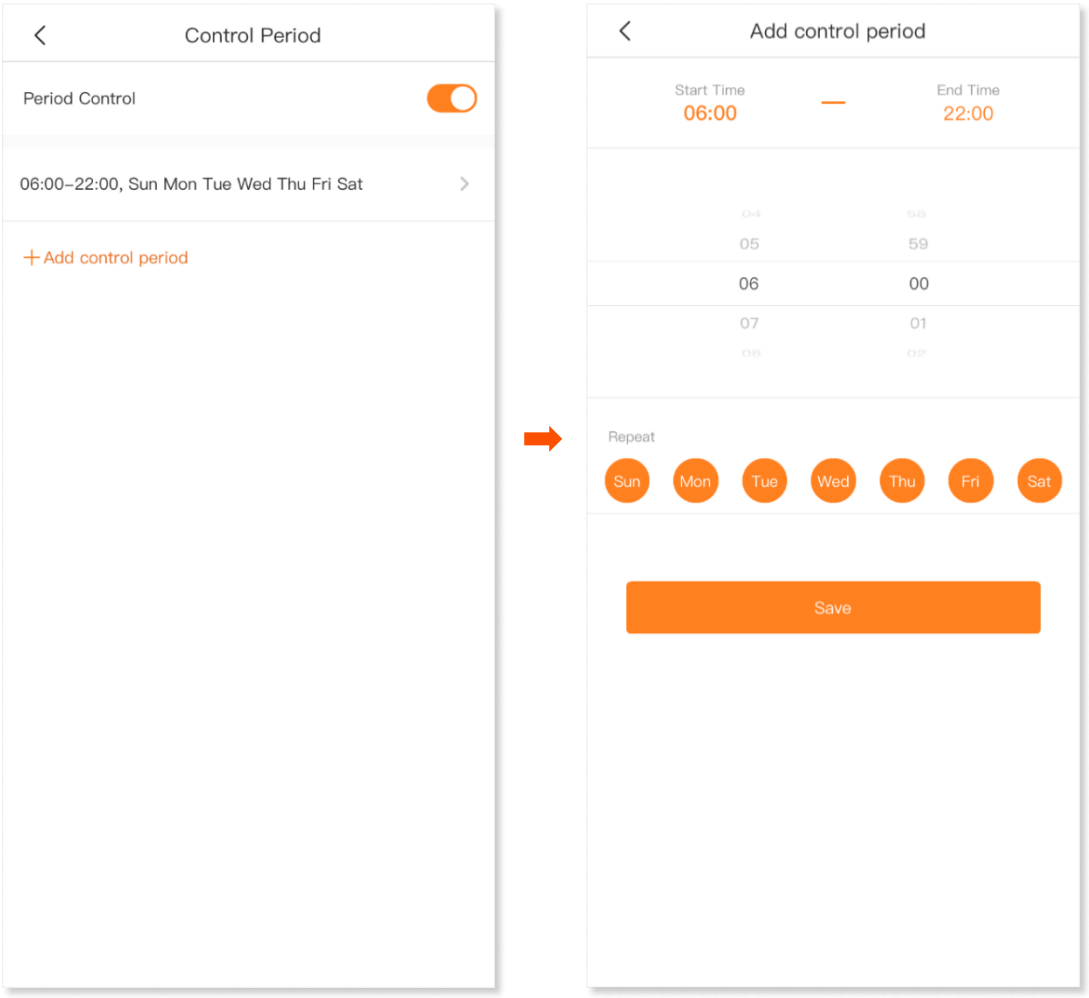
indicates that the parental control rule is disabled.

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**.

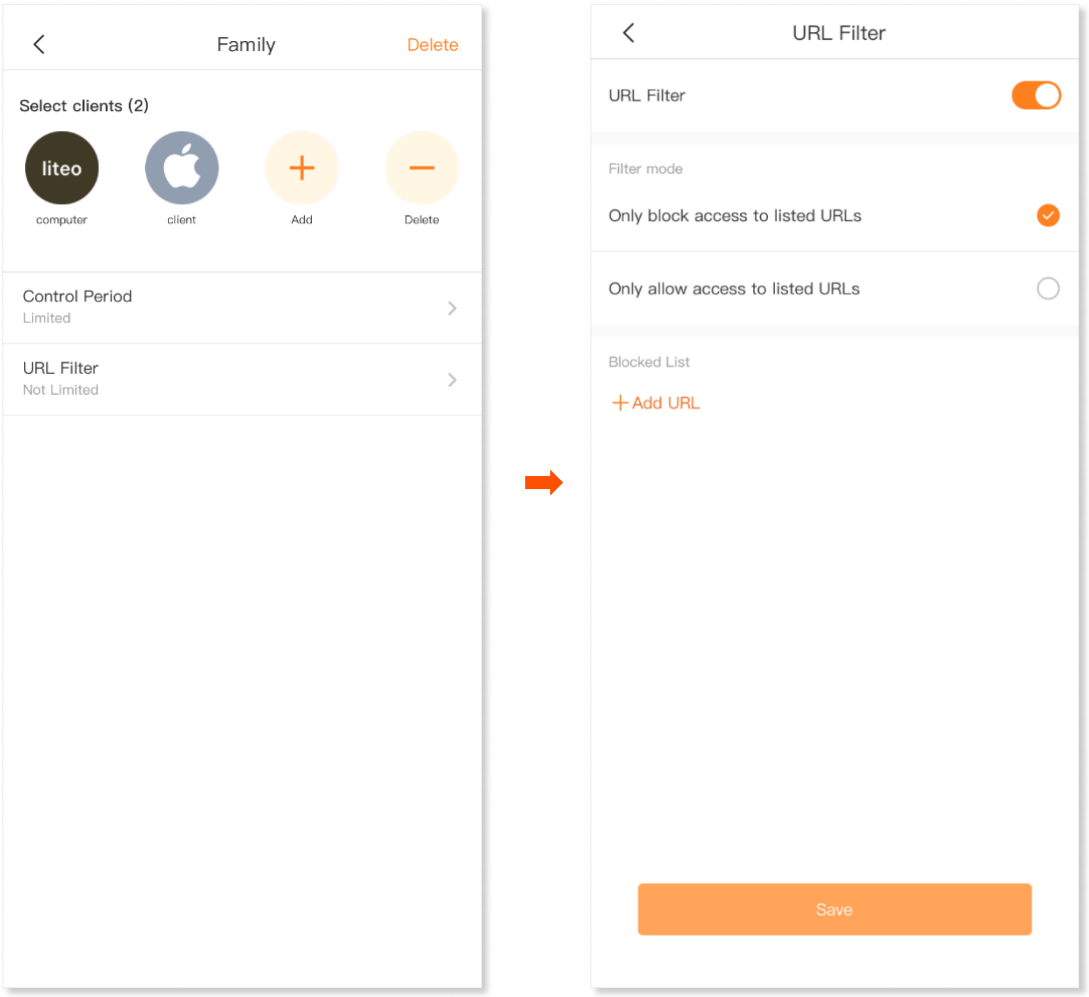


3. Enable the **Period Control** function.
4. Tap **Add control period**.
5. Specify a **Start Time**, **End Time**, and the days on which the rule takes effect.
6. Tap **Save**.

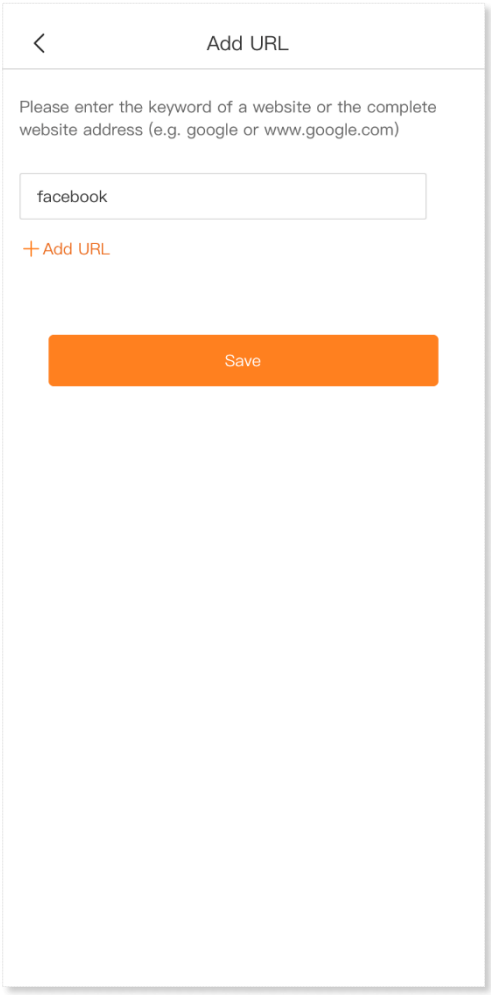


Step 5 Customize the URL filter rule for the group.

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.



TIP

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.

Blacklist

The blacklist function enables you to add a client into the blacklist or remove a client from the blacklist. If you find any unknown client connects to your network and you want to block it from accessing your network, you can blacklist it here. All clients connected to the network can be blacklisted, except the local host.

Add a client to the blacklist

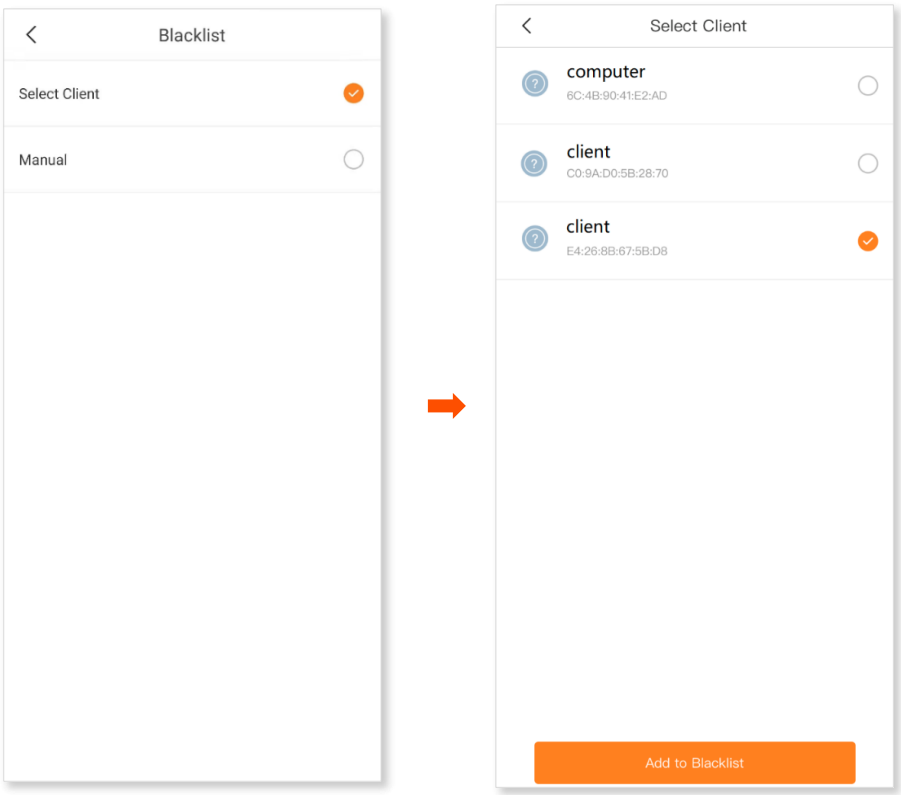
You can add the client into the blacklist to block the internet access.

Procedure:

Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Blacklist**.

Step 2 Tap **Add to Blacklist**, and choose **Select Client** or **Manual**, which is **Select Client** in this example.

Step 3 Select a client that you want to add it into blacklist, then tap **Add to Blacklist**.



---End

Now the selected client cannot access the internet.

Remove a client from the blacklist

After adding the client into the blacklist, the client cannot access the internet through the router.

You can remove the client from the blacklist as required.

Procedure:

Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Blacklist**.

Step 2 Find a client that you want to remove from the blacklist, then tap **Remove**, or tap **Remove All** to remove all clients from the blacklist.

---End

After the setting completes, the client removed from the blacklist can access the network upon the next connection.

LED indicator

The LED indicator function enables you to turn on or off the LED indicator of the router. You can also set a schedule to turn off the LED indicator. By default, the LED indicator is turned on.

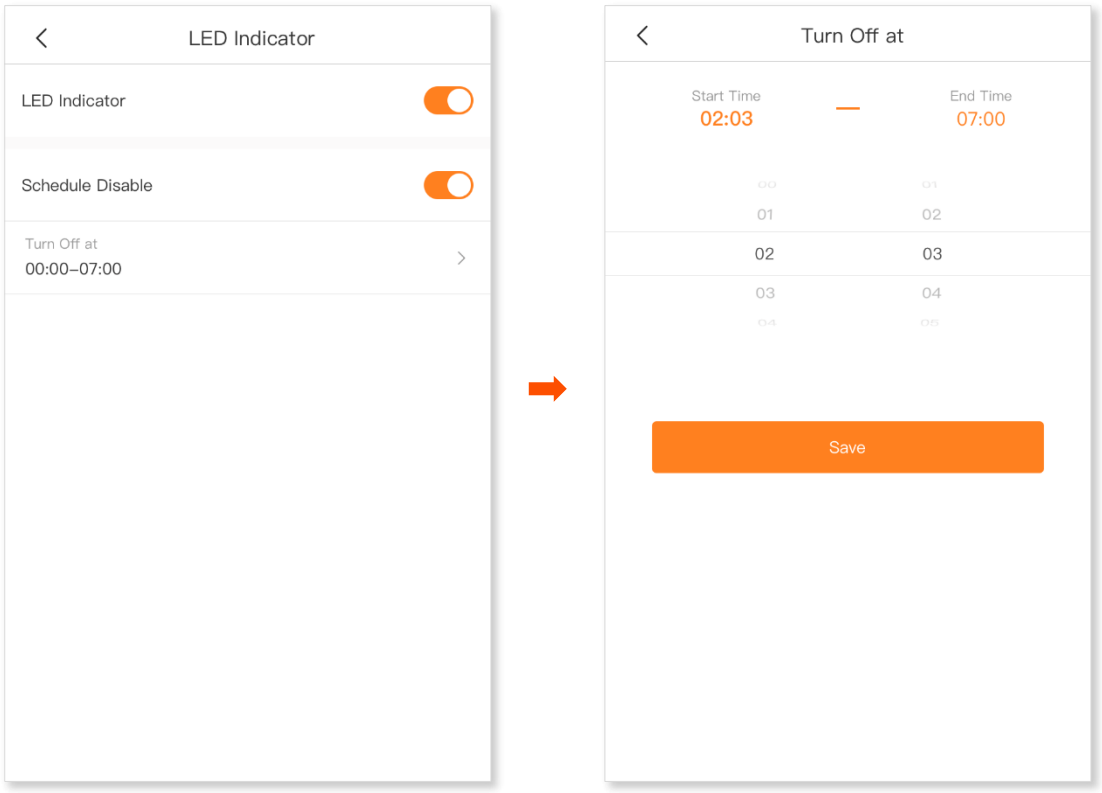
To turn off the LED indicator during a period:

Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **LED indicator**.

Step 2 Enable **LED Indicator** and **Schedule Disable**.

Step 3 Tap **Turn Off at**. Specify the **Start Time** and **End Time**, which are **02:03** and **07:00** in this example.

Step 4 Tap **Save**.



---End

After the setting completes, the LED indicator of the router will turn off at 02:03 to 07:00.

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 router. You can select a working mode for your router based on your scenario. By default, the 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

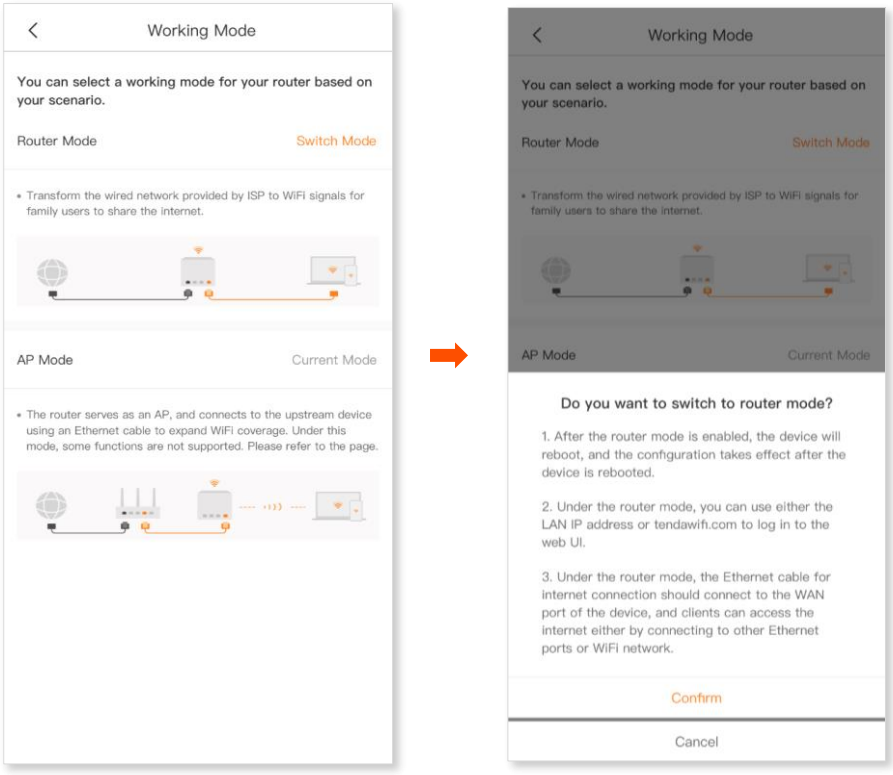
By default, the router works in the router mode. All functions are available in this mode. If you want to switch from the router mode to AP mode, see AP mode.

To switch to the router mode:

Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Advanced** > **Working Mode**.

Step 2 Tap **Switch Mode**.

Step 3 Tap **Confirm** in the pop-up window.



---End

Now the router works in the 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 router to work in AP mode to provide wireless coverage.

You can switch the working mode to AP mode here.

TIP

When the 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.

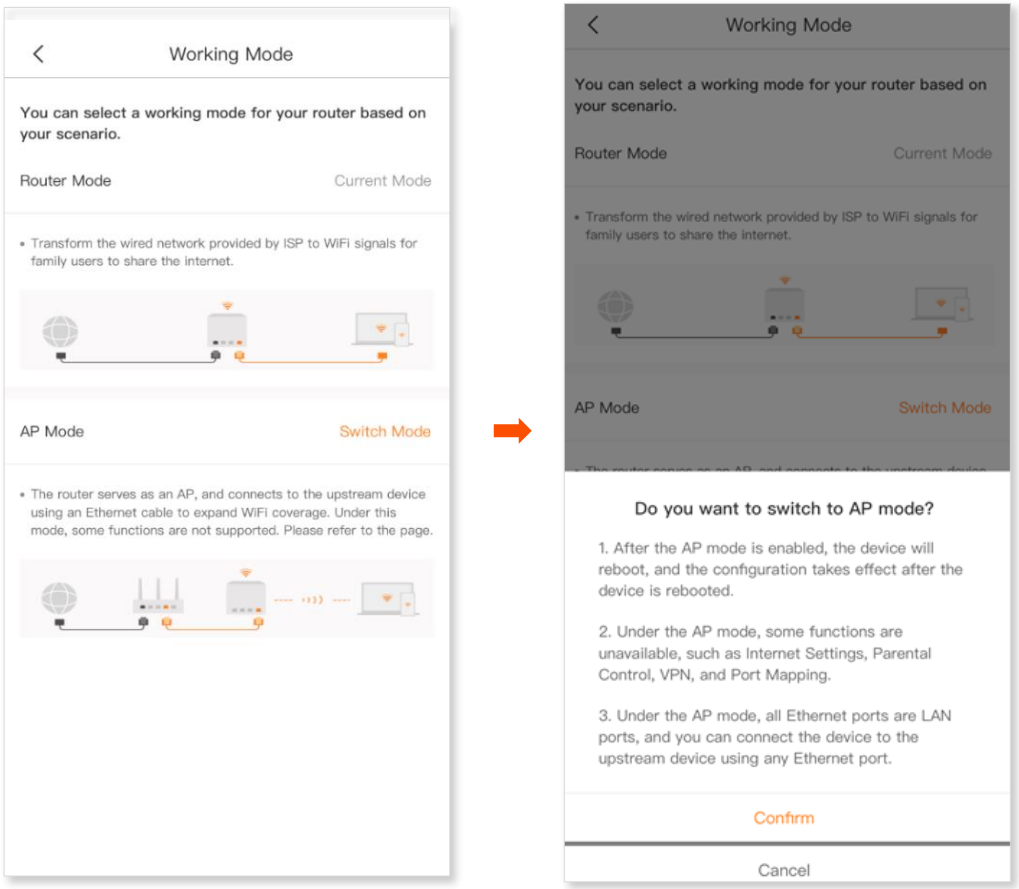
To switch to the AP mode:

Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Advanced** > **Working Mode**.

Step 2 Tap **Switch Mode**.

Step 3 Tap **Confirm** in the pop-up window.

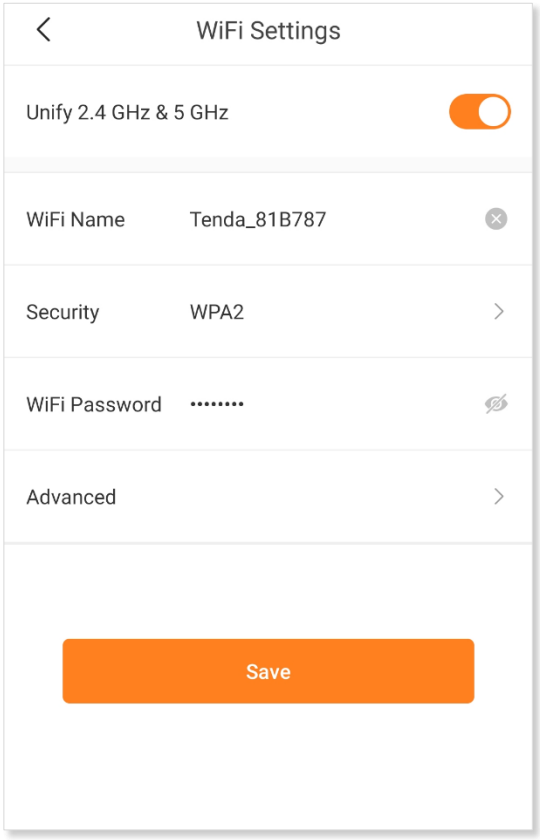
Step 4 Use an Ethernet cable to connect the LAN port of your router to a LAN port of your upstream router (the router has connected to the internet).



---End

To access the internet, connect your computer to any Ethernet port of the 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.



TIP

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 router.

IPv6

TIP

This function is only available in the router mode.

The 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
• 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

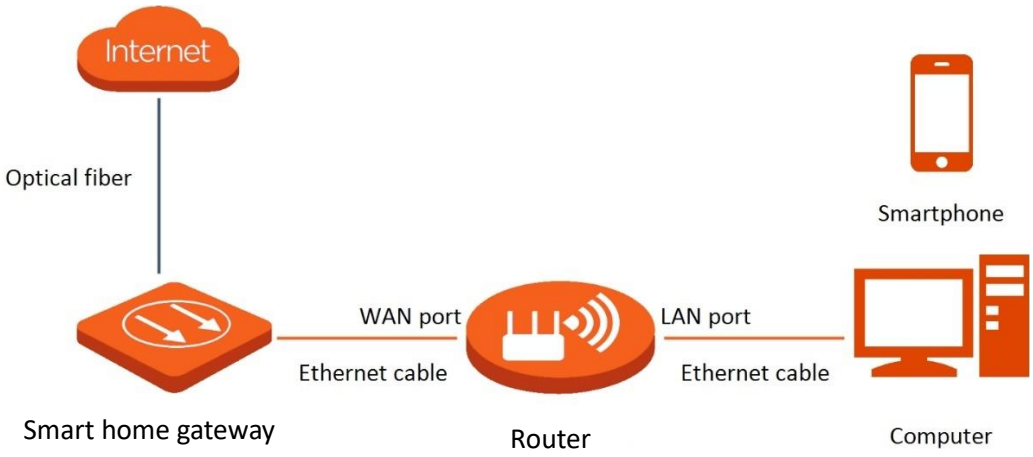
TIP

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 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.



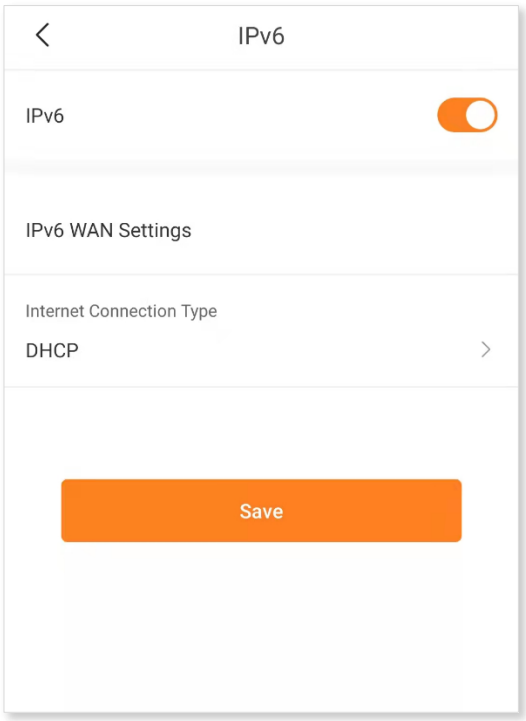
To access the internet through DHCPv6:

Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Advanced** > **IPv6**.

Step 2 Enable the **IPv6** function.

Step 3 Set the **Internet Connection Type** to **DHCP**.

Step 4 Tap **Save**.

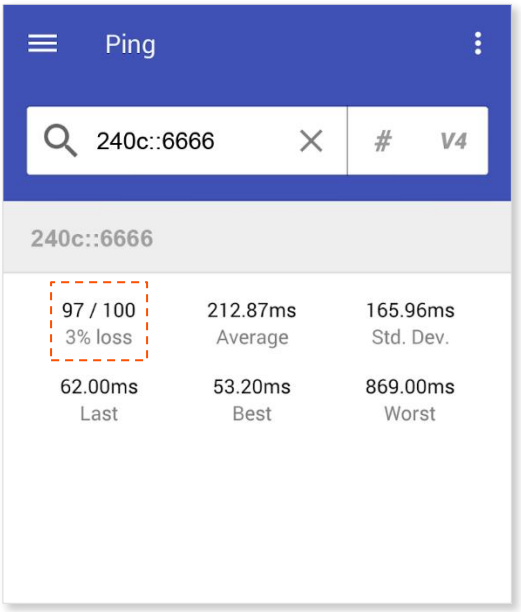


---End

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 router

accesses the IPv6 network successfully. As shown in the following figure, if the number of packets received is not 0, the router accesses the IPv6 network successfully.



If the IPv6 network fails, try the following solutions:

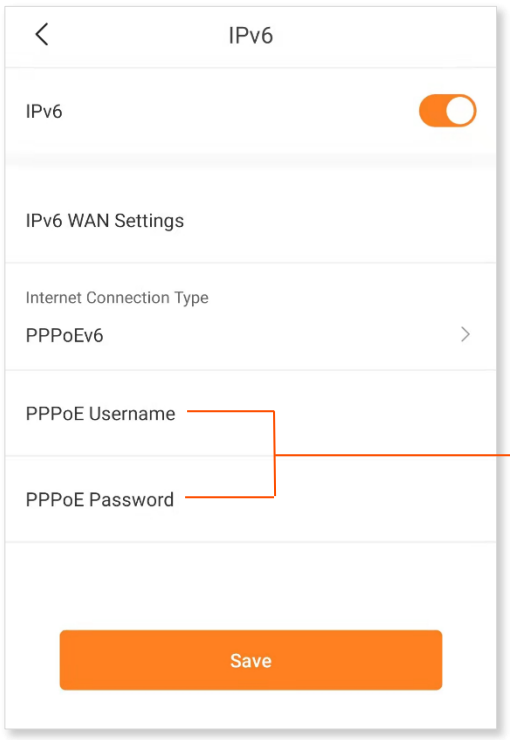
- Ensure that devices connected to router obtain their IPv6 addresses through DHCP.
- Consult your ISP for help.

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.

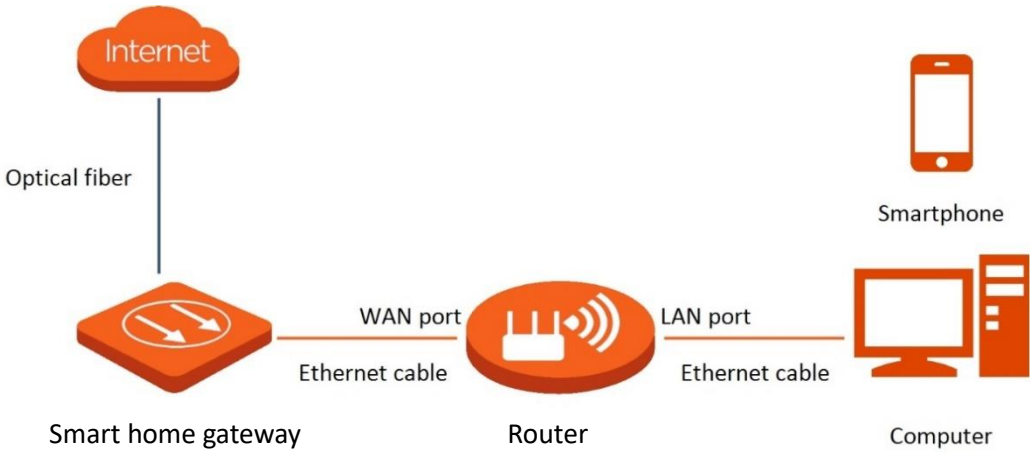
Run the **Tenda WiFi** App, and choose **Settings** > **Advanced** > **IPv6**. When the connection type is set to PPPoEv6, the page is shown as below.



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:

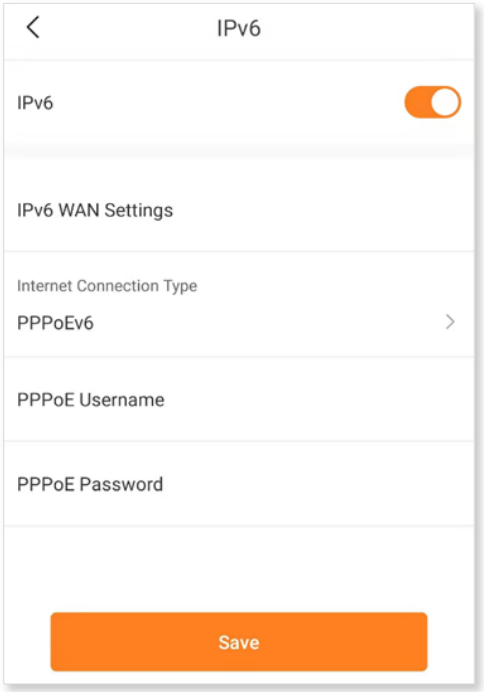
Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Advanced** > **IPv6**.

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.

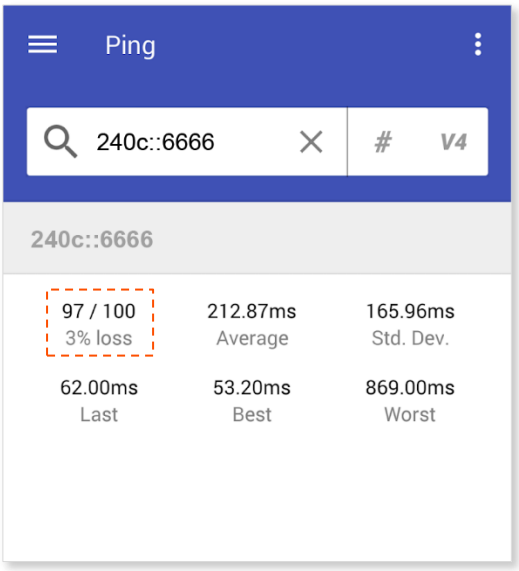
Step 5 Tap **Save**.



---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 router accesses the IPv6 network successfully. As shown in the following figure, if the number of packets received is not 0, the router accesses the IPv6 network successfully.



If the IPv6 network fails, try the following solutions:

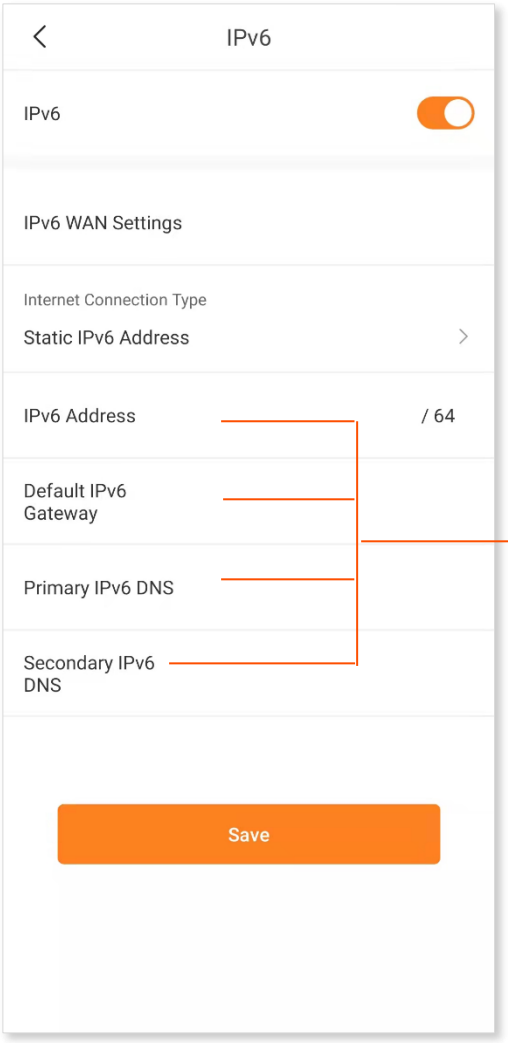
- Ensure that devices connected to router obtain their IPv6 addresses through DHCP.
- Consult your ISP for help.

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 choose **Settings** > **Advanced** > **IPv6**. When the connection type is set to **Static IPv6 Address**, the page is shown as below.



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

Access the internet through static IPv6 address

Procedure:

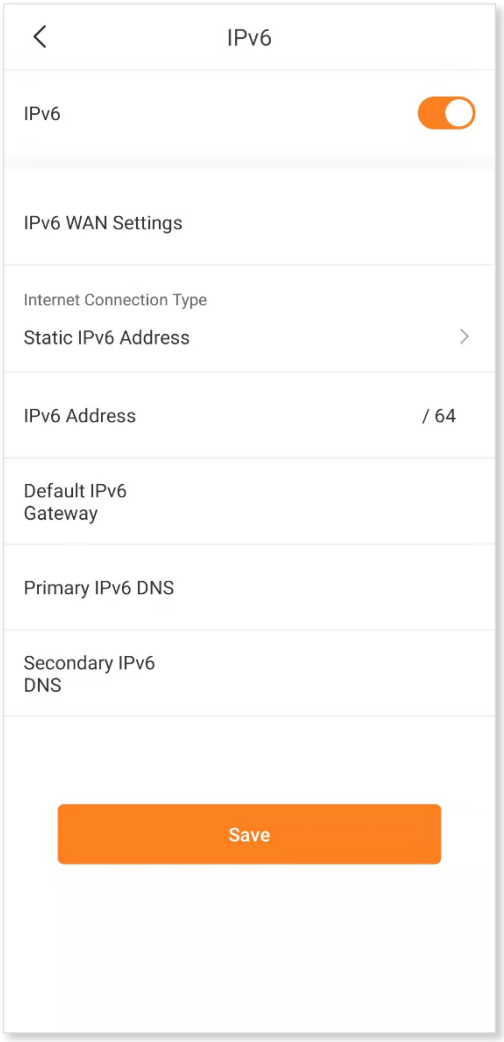
Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **Advanced** > **IPv6**.

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**.

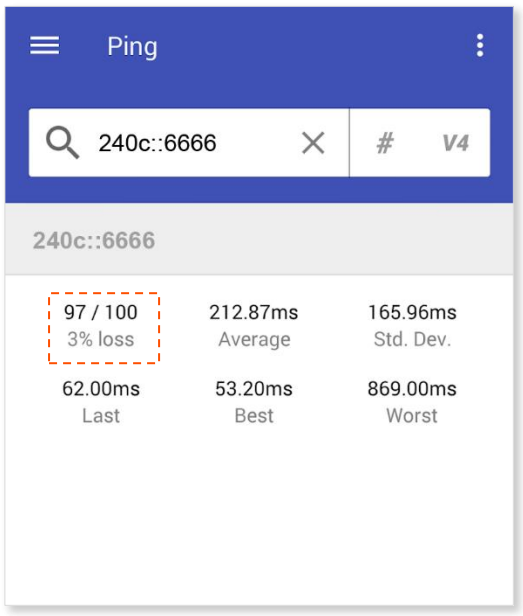
Step 5 Tap **Save**.



---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 router accesses the IPv6 network successfully. As shown in the following figure, if the number of packets received is not 0, the 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 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 router, unless an IP address conflict occurs. For example, if the WAN IP address obtained by the router is at the same network segment as its LAN IP address, or the IP address of the client of the router is 192.168.5.1.

To change LAN settings:

Step 1 Run the **Tenda WiFi** App, and choose **Settings** > **LAN Settings**.

Step 2 Select a LAN IP address for the 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 router when they request new IP addresses.

DHCP server

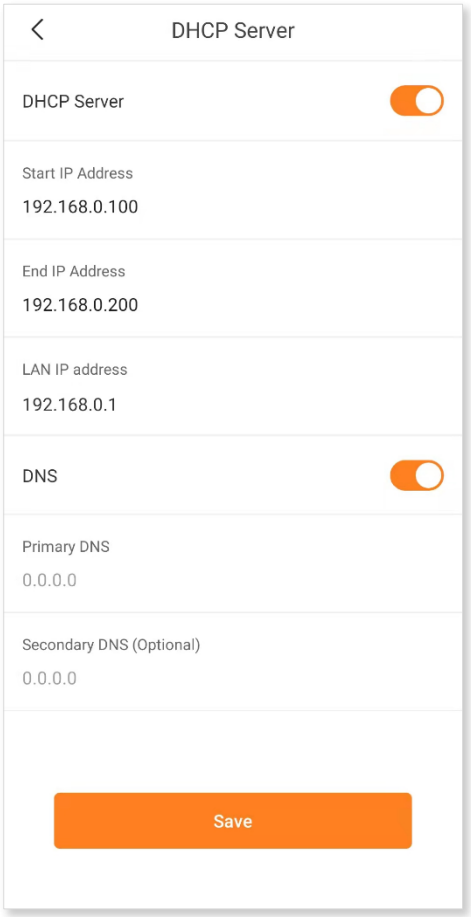
The Dynamic Host Configuration Protocol (DHCP) is an automatic configuration protocol used on IP networks. If you enable the built-in DHCP server on this device, the TCP/IP settings will be automatically configured for all PCs in the LAN, including IP addresses and DNS.

To set up a DHCP server:

Step 1 Run the **Tenda WiFi** App, and choose **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**.



---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 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 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:

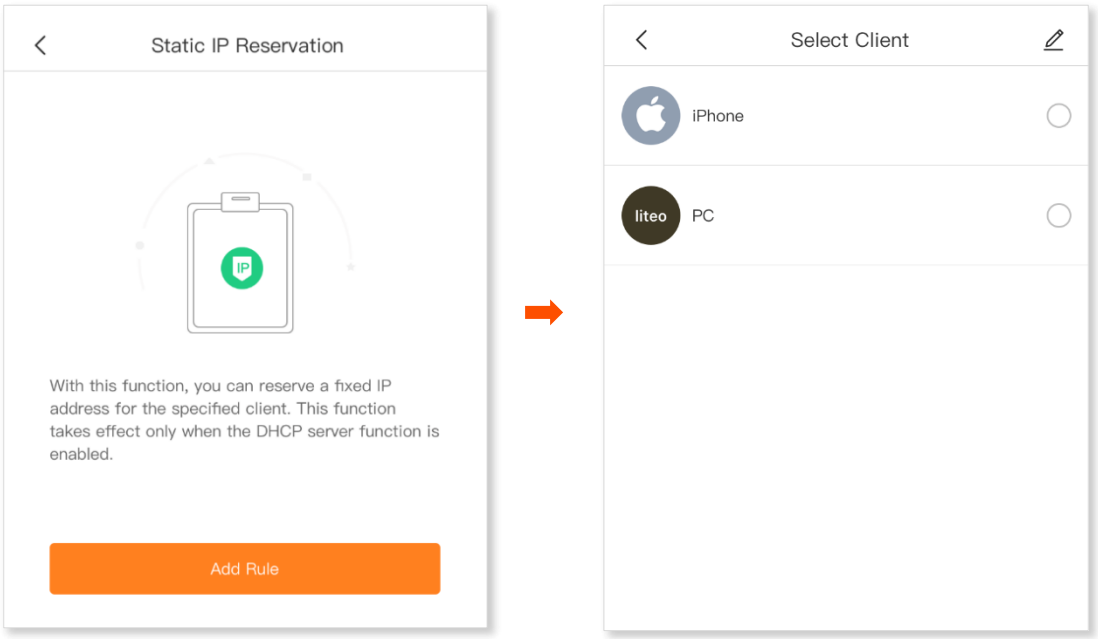
- Fixed IP address for the server: 192.168.0.143
- MAC address of the FTP server host: C0:9A:D0:5B:28:70

Procedure:

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

Step 2 Tap **Add Rule**.

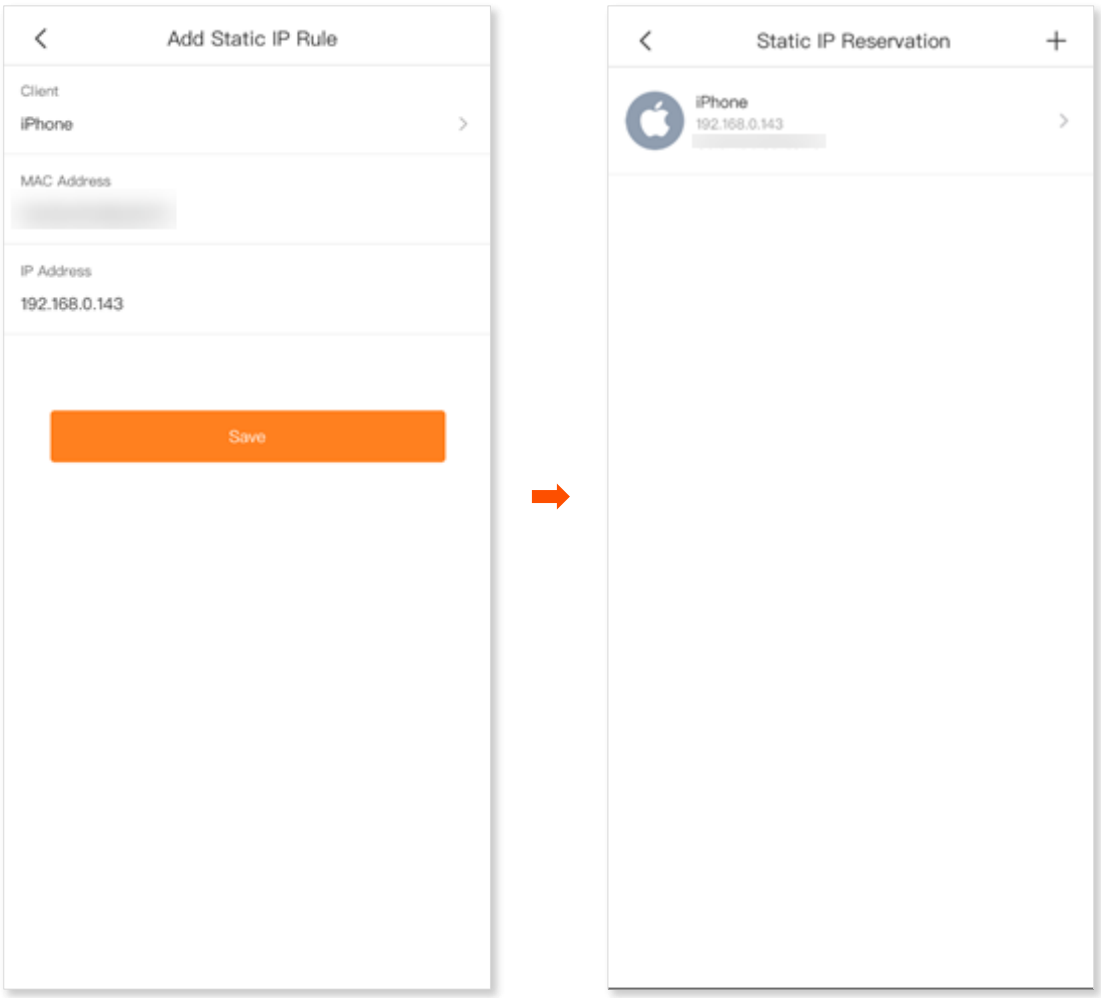
Step 3 Select the device to which the rule applies, which is **iPhone** in this example.



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 router.

DNS

TIP

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.

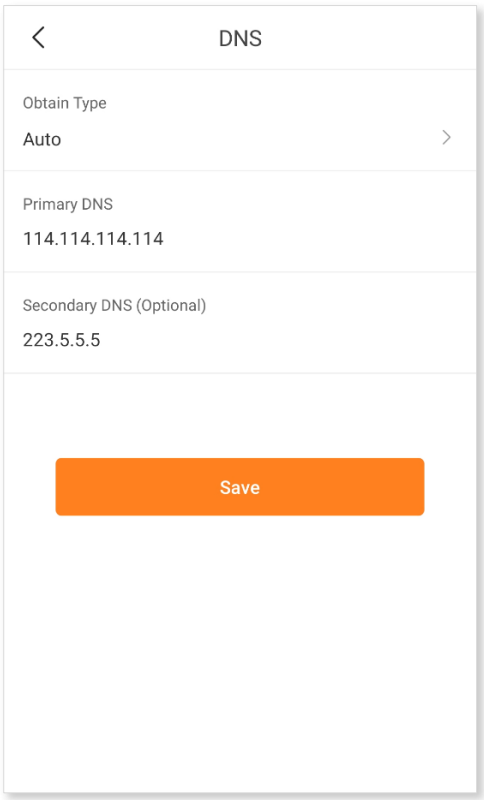
To change the DNS settings:

Step 1 Run the **Tenda WiFi** App, and choose **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**.



---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.

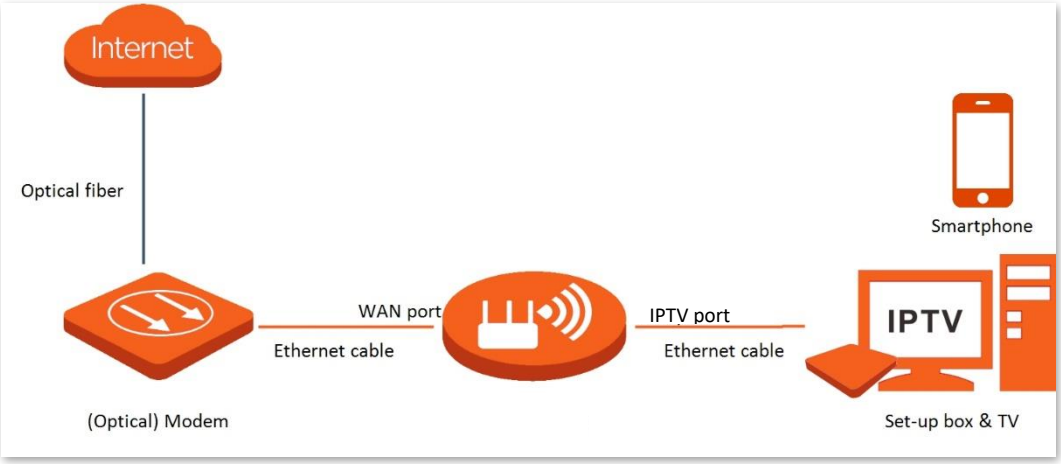
- **Multicast**: If you want to watch multicast videos from the WAN side of the router on your computer, you can enable the multicast function of the router.
- **STB**: If the IPTV service is included in your broadband service, you can enjoy both internet access through the router and rich IPTV contents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

Watch IPTV programs through the 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 router.

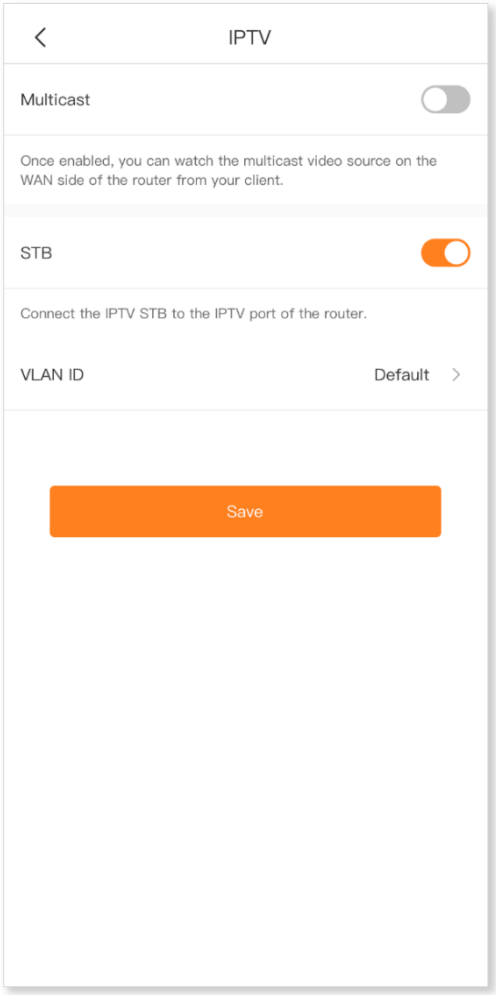
Solution: You can configure the IPTV function to reach the goal.



Procedure:

Step 1 Set your router.

1. Run the **Tenda WiFi** App, and choose **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

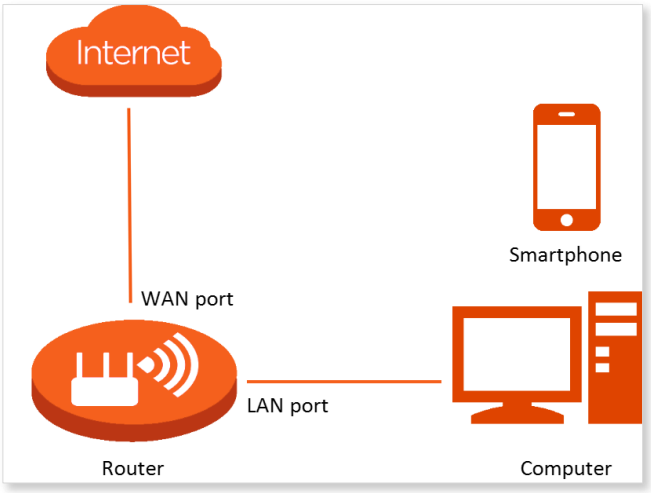
After the setting completes, you can watch IPTV programs on your TV.

Watch multicast videos through the 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.

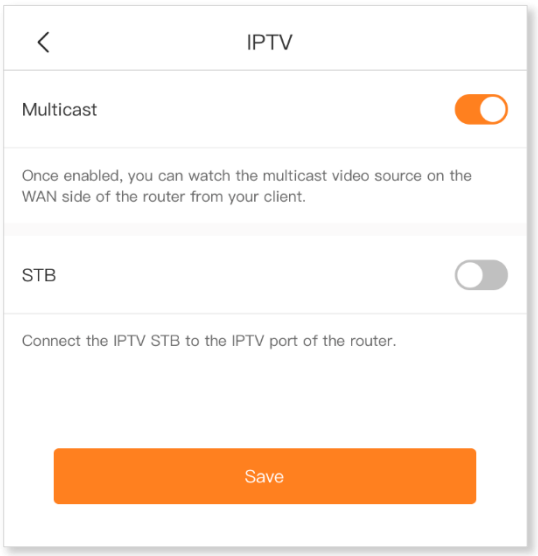


Procedure:

Step 1 Run the **Tenda WiFi** App, and choose **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.

WPS

The WPS function enables WiFi-enabled devices, such as smartphones, to connect to WiFi networks of the 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.

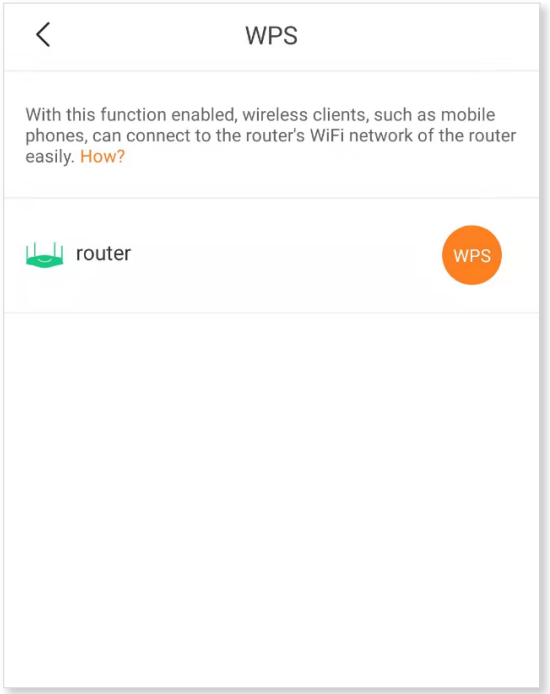
To connect a device to the Wi-Fi network using the WPS function:

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

Step 2 Tap the WPS button on the row where the 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.

TIP

- Before the configuration, ensure that the 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.

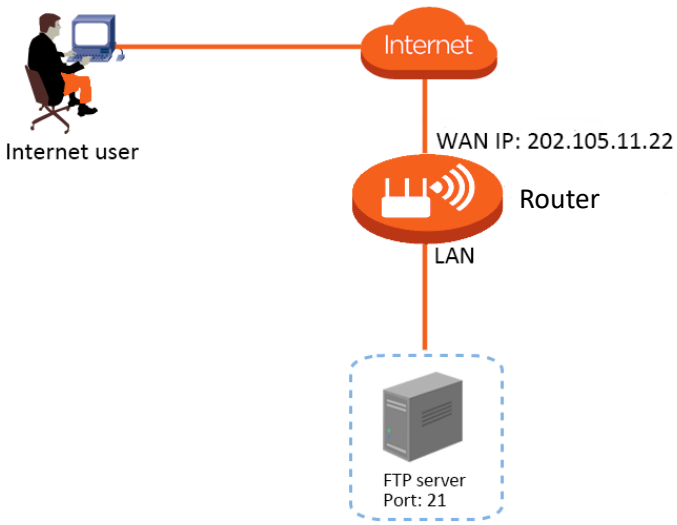
An example of configuring the port forwarding function:

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 router: 202.105.11.22
- Service port of the FTP server: 21



Procedure:

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

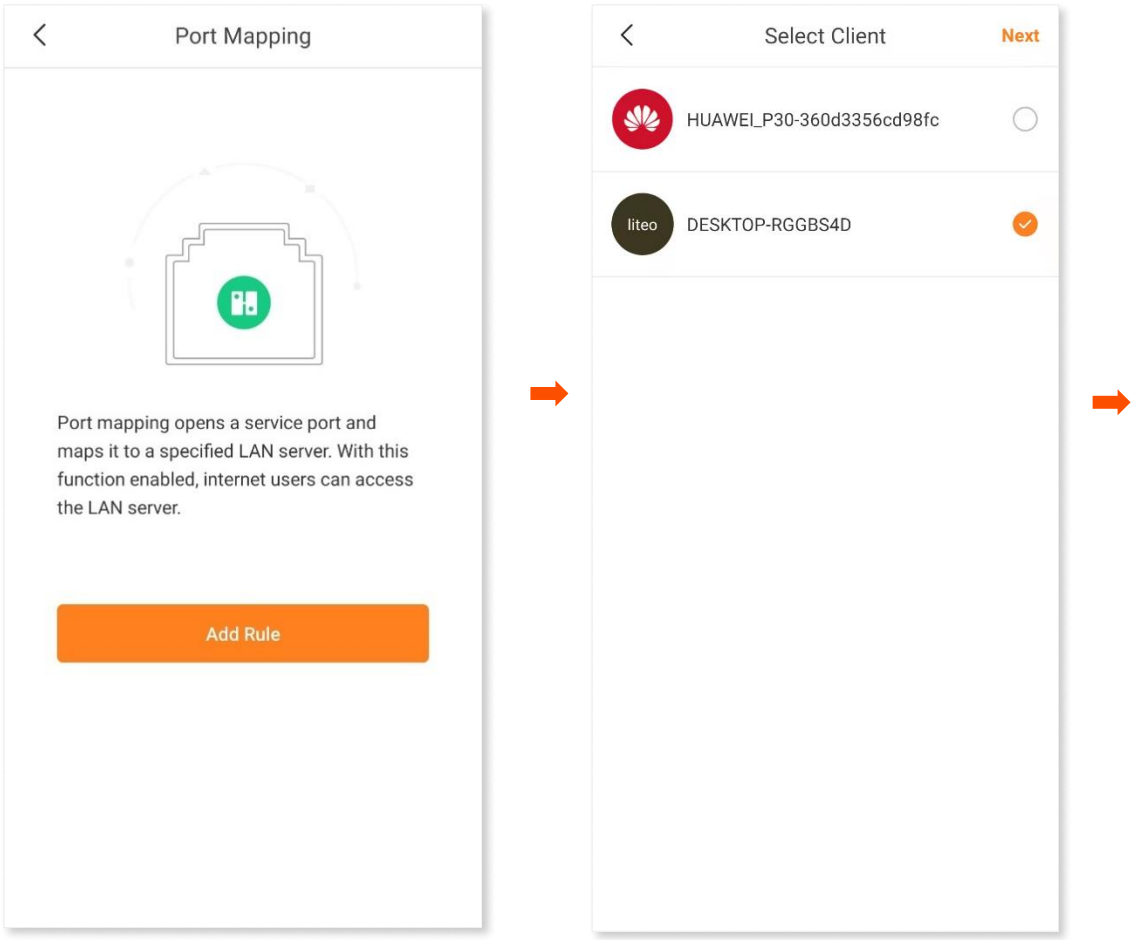
Step 2 Tap **Add Rule**.

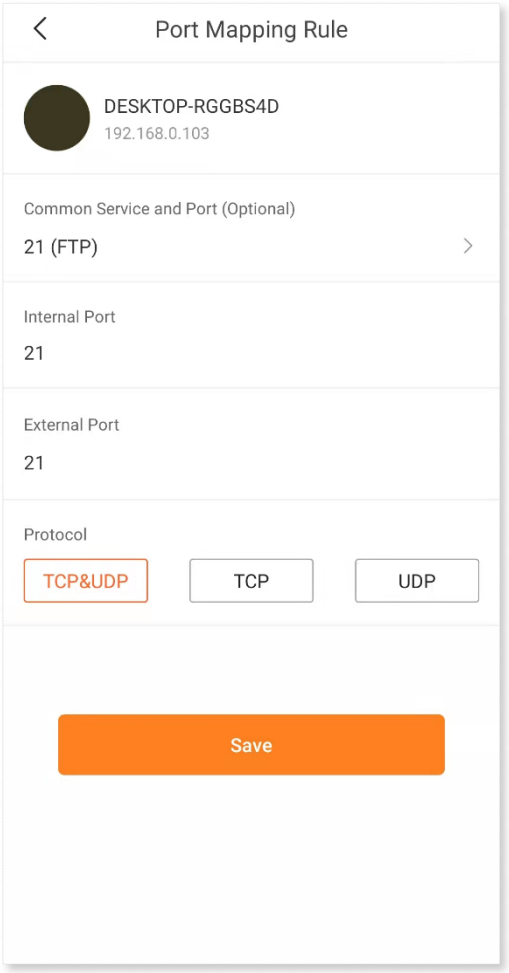
Step 3 Select the device to which the rule applies, and tap **Next**.

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**.





---End

After the setting completes, internet users can visit "**Protocol name://WAN port IP address of the 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 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 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 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

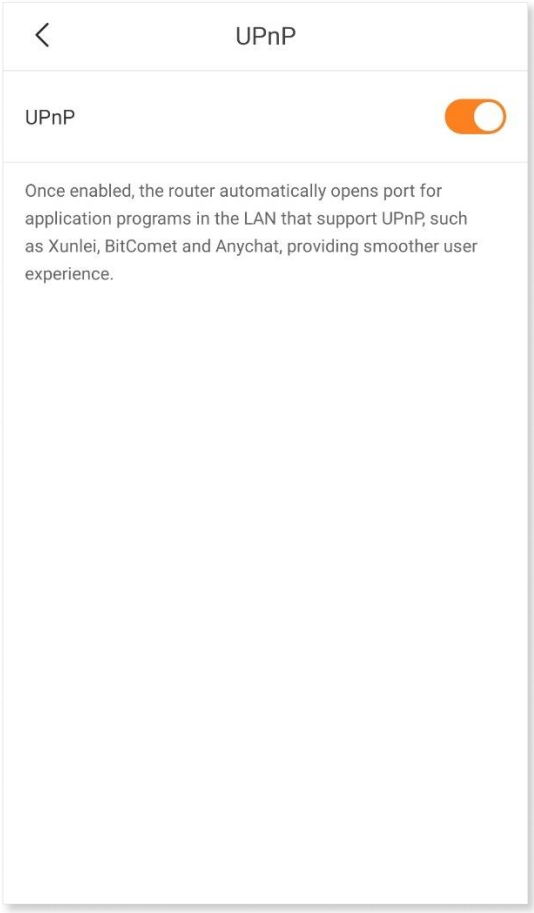
UPnP is short for Universal Plug and Play. This function enables the router to open port automatically for UPnP-based programs. It is generally used for P2P programs, such as BitComet and AnyChat, and helps increase the download speed.

This function is enabled by default.

To enable or disable the UPnP function:

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

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



---End

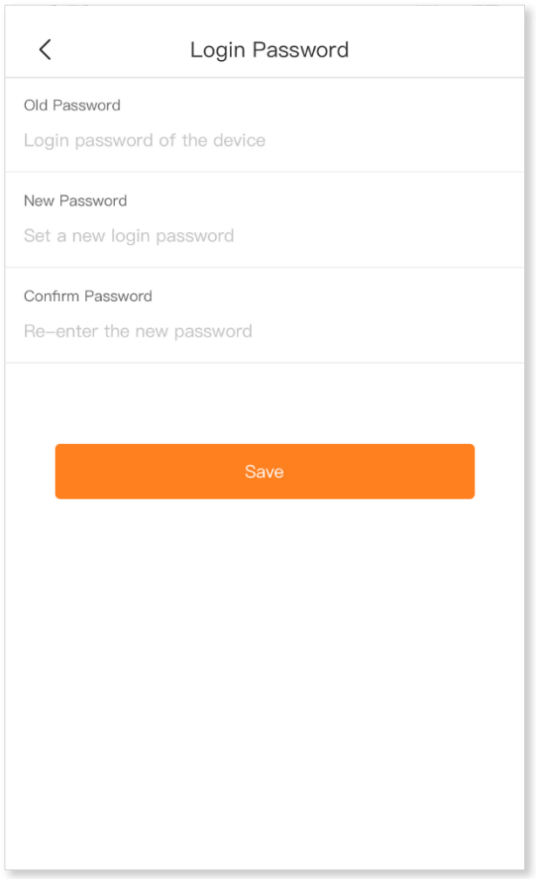
System settings

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 choose **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.



Auto system maintenance

This function reboots the 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 choose **Settings** > **Auto System Maintenance**.

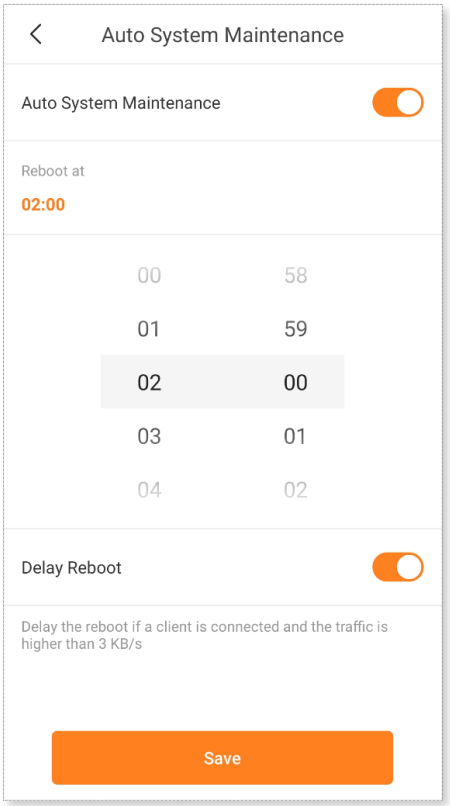
Step 2 Enable **Auto System Maintenance**.

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

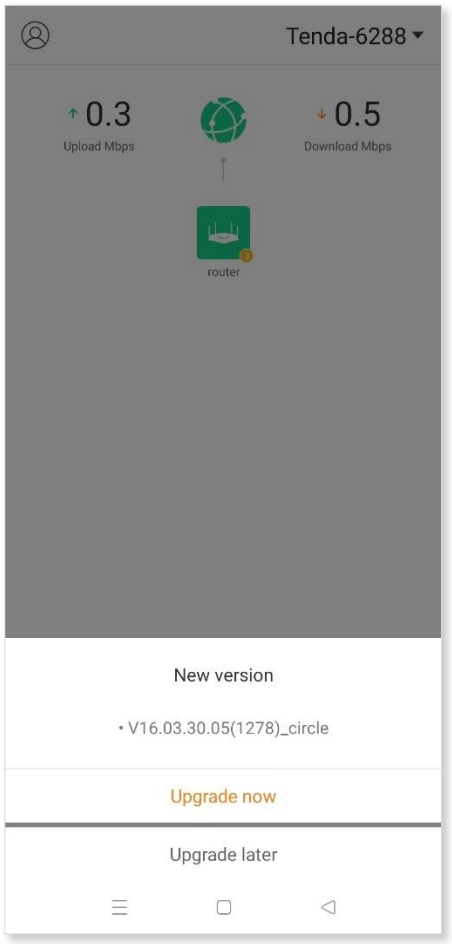
If devices are exchanging data and the traffic is greater than 3 KB/s, the router will not reboot at the specified time even when the **Delay Reboot** function is enabled. Within 2 hours after the specified reboot time, the router keeps detecting the traffic, and reboots once when the traffic is lower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

---End

Now the 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.



NOTE

Do not remove the power supply of the 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.

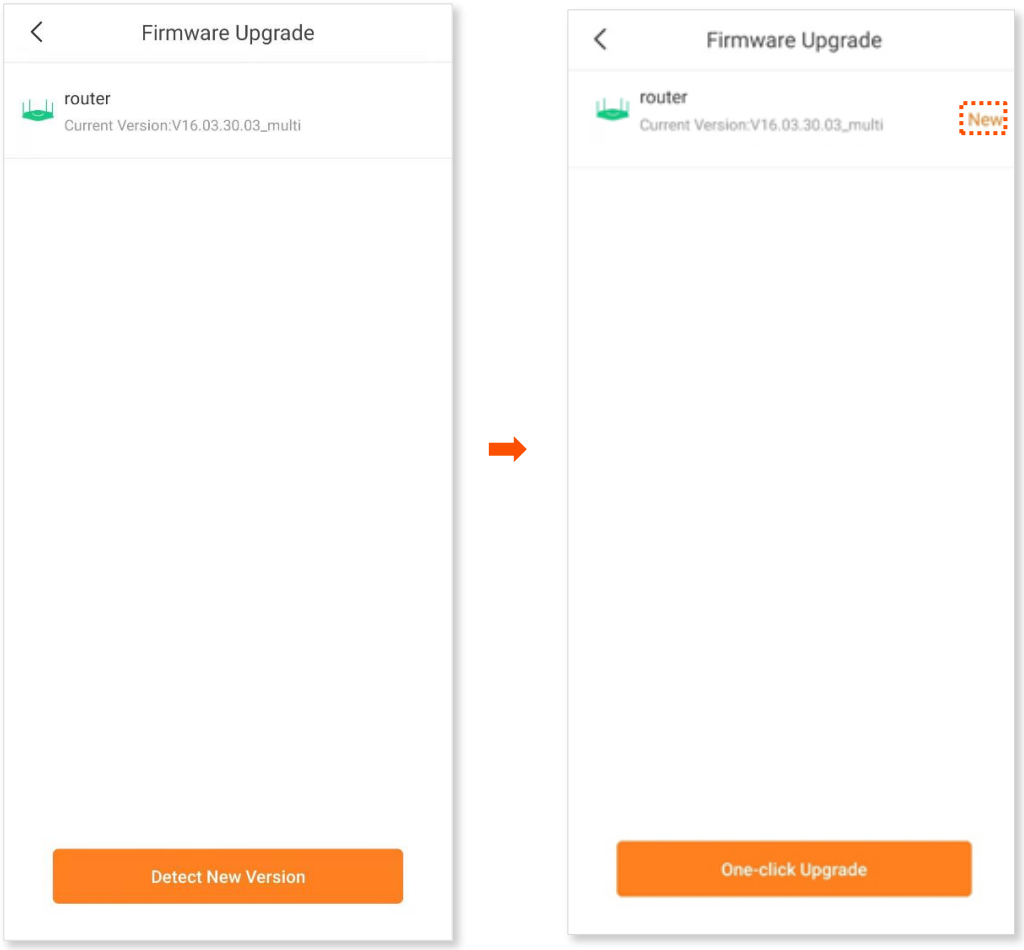
Procedure:

Step 1 Run the **Tenda WiFi** App, and choose **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

Acronym or Abbreviation	Full Spelling
LED	Light-emitting diode
MAC	Medium access control
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