

Tenda

User Guide

4G LTE Mobile Wi-Fi

MF3/4G180



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Preface



Thank you for choosing Tenda! Please read this user guide before you start. This user guide walks you through all functions of the 4G LTE Mobile Wi-Fi.

Conventions

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

Item	Presentation	Example
Cascading menus	>	Navigate to Internet .
Parameter and value	Bold	Set Mode to USB .
Variable	Italic	Format: <i>XX:XX:XX:XX:XX:XX</i>
UI control	Bold	On the Policy page, click the OK button.
Message	“ ”	The “Success” message appears.

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

Symbol	Meaning
 NOTE	This format is used to highlight information of importance or special interest. Ignoring this type of note may result in ineffective configurations, loss of data or damage to device.
 TIP	This format is used to 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

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

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

Email address: support@tenda.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 first published.

Version	Date	Description
V1.0	2024-03-15	Original publication.

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1

Get to know your device

1.1 Overview




The device is designed as your reliable personal mobile Wi-Fi.

Just inserting a SIM card, you can enjoy fast 4G LTE network with your family and friends.

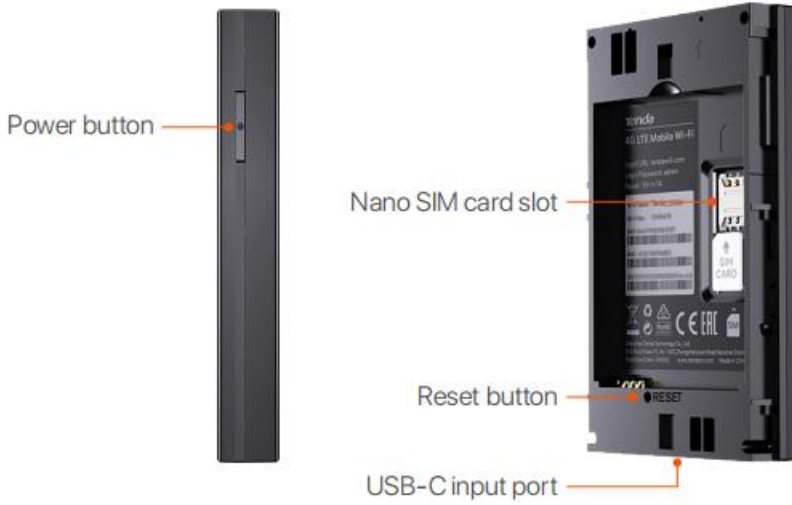
The device is a multi-mode wireless terminal for Small Office and Home Office (SOHO) and business professionals. And you can enjoy your journey with the 4G LTE mobile Wi-Fi.


The mobile Wi-Fi with lithium battery can be powered and charged by the USB-C port and is your ideal network companion with its compact size and portability.

1.2 LED indicators

LED	Status	Description
 (Internet)	Solid on	The mobile Wi-Fi is connected to the internet.
	Off	The mobile Wi-Fi is not connected to the internet.
 (Wi-Fi)	Solid on	The Wi-Fi network is available.
	Off	The Wi-Fi network is disabled.
 (Battery)	Solid green	The remaining power is above 30%.
	Blinking green	The mobile Wi-Fi is charging.
	Solid orange	Power-saving mode: <ul style="list-style-type: none"> - The remaining power is 20%-30%. - The remaining power is above 30%, and you can enable it manually.
	Solid red	The remaining power is below 20%. You need to charge the mobile Wi-Fi.

1.3 Buttons, slot and port



Button/Slot/Port	Description
	Power button.
Nano SIM card slot	Insert your SIM card here.
RESET	Reset button. Reset method: Refer to reset the mobile Wi-Fi using the reset button .
USB-C input port	Used to charge the mobile Wi-Fi, or to provide internet access for wired devices using the USB-C cable.

1.4 Label




Item	Description
Model	Specifies the model name of the mobile Wi-Fi.
Login URL	Specifies the URL used to log in to the web UI of the mobile Wi-Fi.
Power	Specifies the rated power of the mobile Wi-Fi.
Wi-Fi Name	Specify the default Wi-Fi name and Wi-Fi key of the mobile Wi-Fi.
Wi-Fi Key	You can use the Wi-Fi name and Wi-Fi key to connect to the mobile Wi-Fi.
IMEI	Specifies the International Mobile Equipment Identity (IMEI) usually used to identify valid mobile phones in the network.
MAC	Specifies the physical address of the mobile Wi-Fi.
SN	Specifies the Serial Number (SN) used for product identification.

2 Quick setup



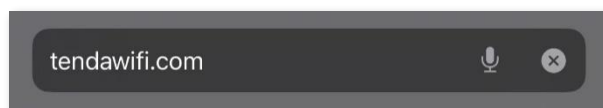
A smartphone (iOS system) is used as an example.

To quickly configure the internet settings, perform the following steps:

- Step 1** Tap the  (Settings) on the smartphone, and tap **WLAN**.
- Step 2** Connect the smartphone to the Wi-Fi network of the mobile Wi-Fi, which is **Tenda_06D7C6** in this example.



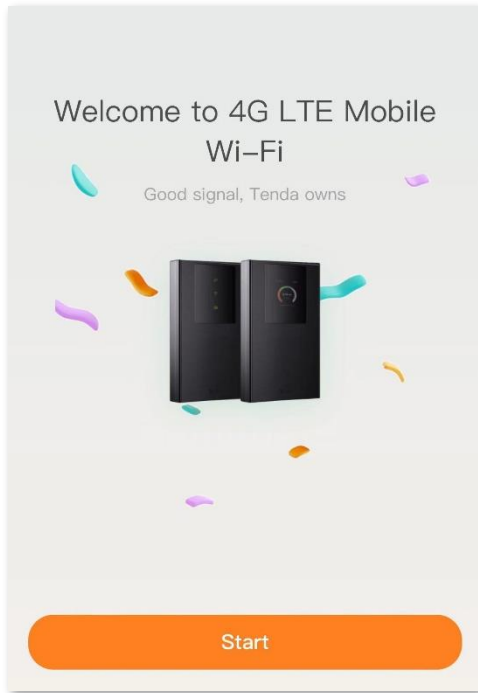
- Step 3** Start a browser on your smartphone, visit **tendawifi.com** or **192.168.0.1** to log in to the web UI of the mobile Wi-Fi.



- Step 4** Tap **Start**.



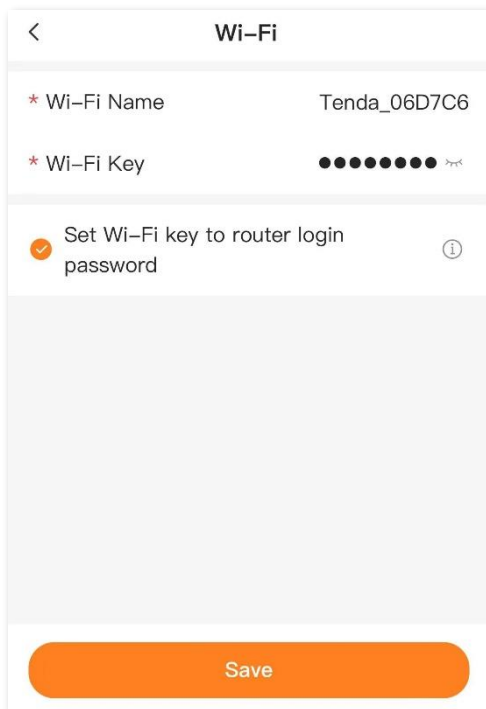
- Ensure that the SIM card has sufficient balance and can be used to access the data service of your mobile carrier.
- When the prompt information “**Insert your SIM card**”, “**No default APN**” or “**No service**” is shown on the page, solve the problem according to the page prompts.



Step 5 Set the Wi-Fi name, Wi-Fi key and login password for the mobile Wi-Fi, and tap **Save**.



The Wi-Fi key is used to connect to the Wi-Fi network, while the login password is used to log in to the web UI of the mobile Wi-Fi.



---End

3 Login and logout

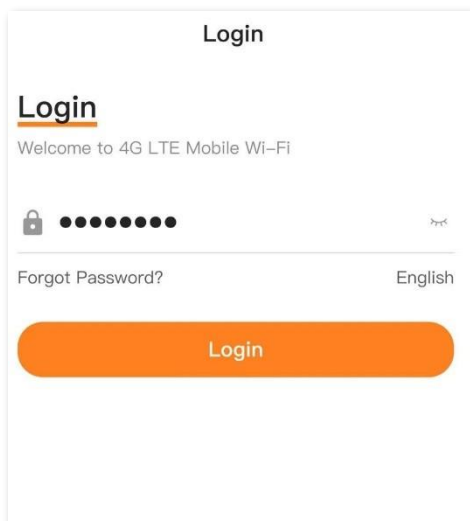
3.1 Login

3.1.1 Login with smartphone

A smartphone (iOS system) is used as an example. Other mobile clients are similar.

Step 1 Repeat **Steps 1 - 3** in [Quick setup](#).

Step 2 Enter the Wi-Fi key of the mobile Wi-Fi and tap **Login**.



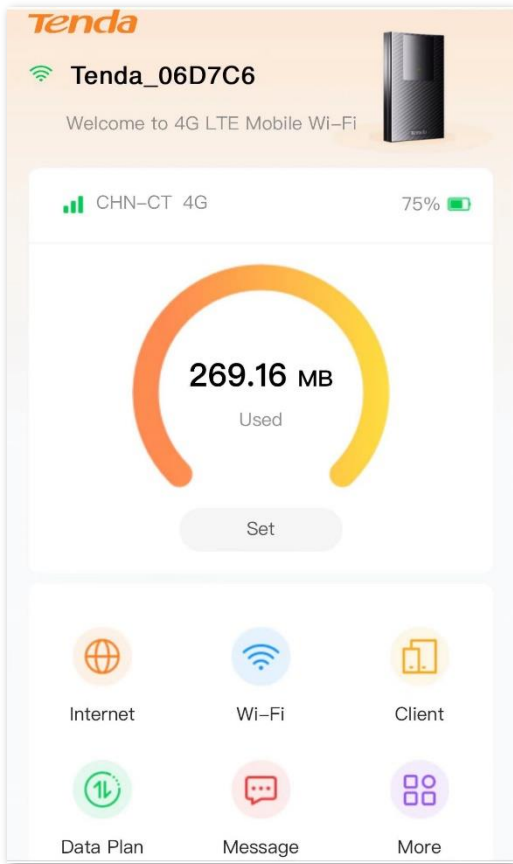
---End



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

- Ensure that your smartphone is connected to the Wi-Fi network of the mobile Wi-Fi.
- Disable the cellular network of your smartphone.
- Clear the cache of your web browser or change another web browser and try again.
- Reboot the mobile Wi-Fi and try again.
- Reset the mobile Wi-Fi and try again.

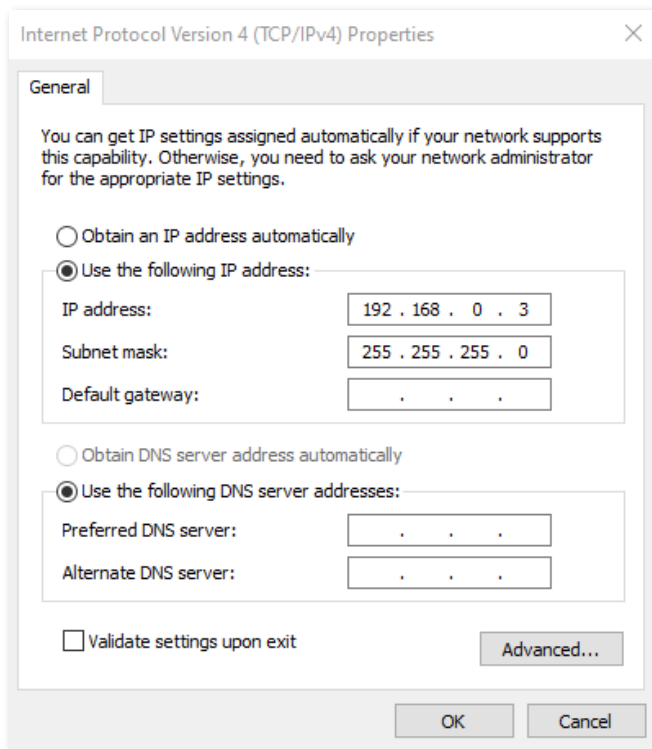
After the login is successful, the following page appears.



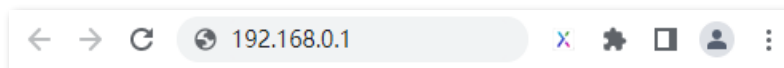
3.1.2 Login with computer

- Step 1** Use the included USB-C cable to connect the mobile Wi-Fi to a USB port of a computer.
- Step 2** Set the IP address of the computer to an unused one belonging to the same network segment of the IP address of the mobile Wi-Fi.

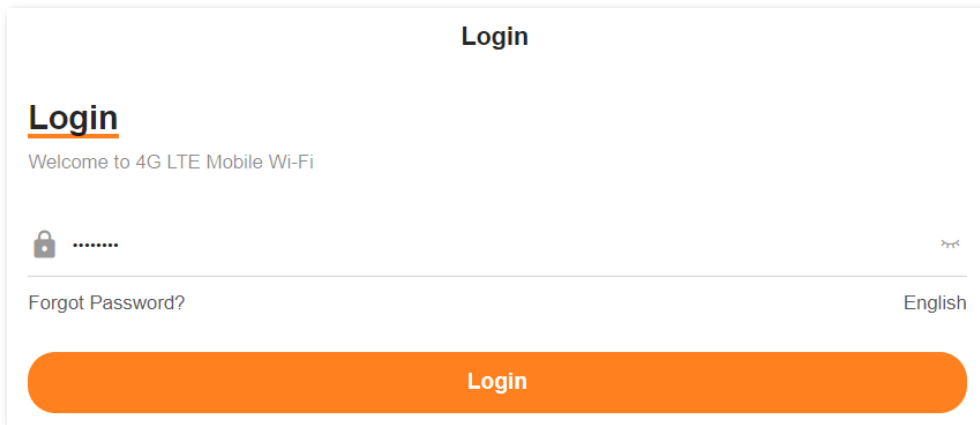
For example, if the IP address of the mobile Wi-Fi is 192.168.0.1, you can set the IP address of the computer to 192.168.0.X (X ranges from 2 to 254 and is unused), and subnet mask to 255.255.255.0.



- Step 3** Start a web browser on your computer, visit the IP address of the mobile Wi-Fi (**192.168.0.1** by default), and press the **Enter** (or **Return**) key on your keyboard.



- Step 4** Enter your login password, and tap **Login**.



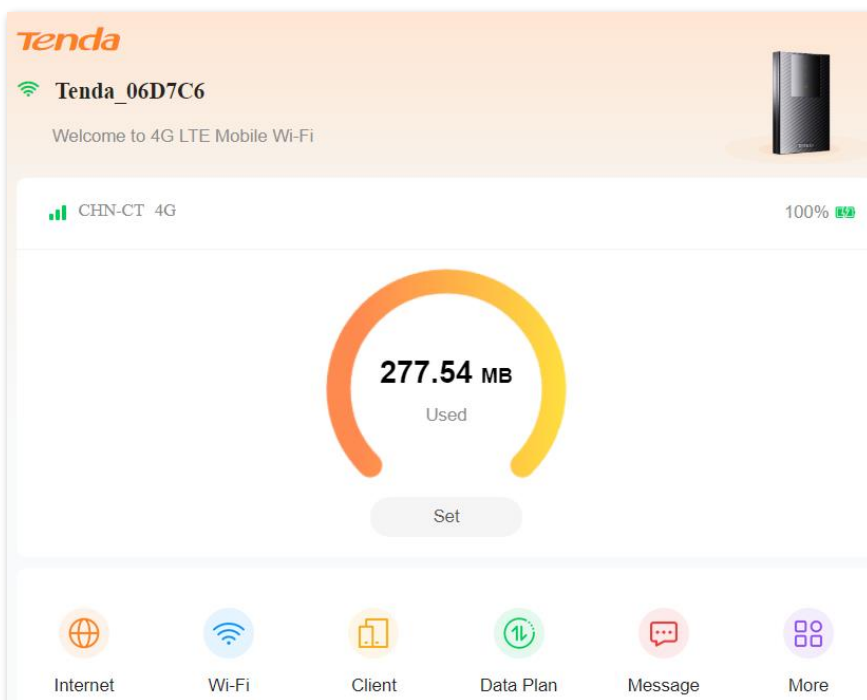
TIP

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

- Ensure that the computer has connected to the mobile Wi-Fi properly.
- Ensure that the IP address of your computer is 192.168.0.X (X ranges from 2 to 254 and is unused).
- Clear the cache of your web browser or change another web browser and try again.
- Reboot the mobile Wi-Fi and try again.
- Reset the mobile Wi-Fi and try again.

---End

After the login is successful, the following page appears.



3.2 Log out

If you log in to the web UI of the mobile Wi-Fi and perform no operation within 5 minutes, the mobile Wi-Fi logs you out automatically.

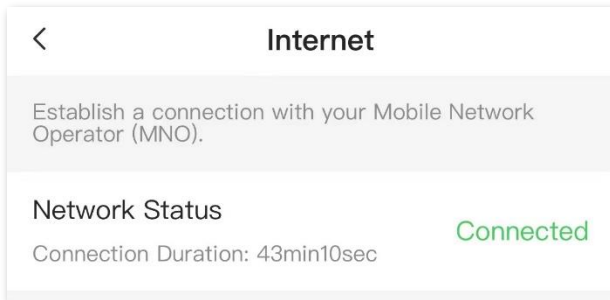
When you are logged out, the system does not save the current unsaved configurations. Therefore, it is recommended that you save the current configuration before logging out.

4 Internet settings

4.1 View the network status

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Internet**.

On this page, you can view the network status of the mobile Wi-Fi. When the mobile Wi-Fi is connected to the internet, it displays the connection duration. And you can tap **Disconnect** on the bottom page to disconnect from the internet.



4.2 Configure the internet settings

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Internet**.

On this page, you can change the internet settings of the mobile Wi-Fi, such as configuring the cellular data and APN settings.



The related parameters can be obtained by consulting the Internet Service Provider (ISP).

The screenshot shows the 'Internet' settings page with the following parameters:

Parameter	Value
Cellular Data	Enabled (toggle on)
Data Roaming	Disabled (toggle off)
Cellular Network	4G Preferred >
ISP Name	CHN-CTA >
APN Type	Static
PDP Type	IPV4
APN	ctlteA
Username	
Password	👁️
Authentication Type	NONE

At the bottom of the settings page is a large orange button labeled 'Connect'.

Parameter description

Parameter	Description
Cellular Data	Used to enable or disable the cellular data. When it is disabled, you cannot access the internet through the mobile Wi-Fi.

Parameter	Description
Data Roaming	Used to enable or disable data roaming for the SIM card inserted in the mobile Wi-Fi. Data roaming means the data usage produced when you are outside the coverage of your ISP. You can disable data roaming to avoid roaming data usage and charges.
Cellular Network	Specifies the cellular network type for internet access. <ul style="list-style-type: none"> - 4G Preferred: Priority to sign up for the 4G cellular network to access the internet. - 4G Only: Only access the internet by signing up for the 4G cellular network. - 3G Only: Only access the internet by signing up for the 3G cellular network.
ISP Name	Specifies the name of the ISP.
APN Type	Specifies the APN type.
PDP Type	Specifies the Packet Data Protocol (PDP) type of the APN, including IPV4 , IPV6 , and IPV4&IPV6 .
APN	Specifies the Access Point Name (APN). Only digits, uppercase and lowercase letters, dots (.), and hyphens (-) are allowed in an APN name. An APN name cannot start with or end with a dot or hyphen.
Username	Specifies the user name for authentication.
Password	Specifies the password for authentication.
Authentication Type	Specifies the authentication type specified by your ISP for the APN. <ul style="list-style-type: none"> - NONE: No authentication. - PAP: Password Authentication Protocol (PAP) provides a simple method without encryption for the peer to establish its identity using a 2-way handshake. - CHAP: Challenge-Handshake Authentication Protocol (CHAP) is used to periodically verify the identity of the peer using a 3-way handshake. - PAP&CHAP: It adopts the mixed authentication type of PAP and CHAP.

4.2.1 Change cellular network preference

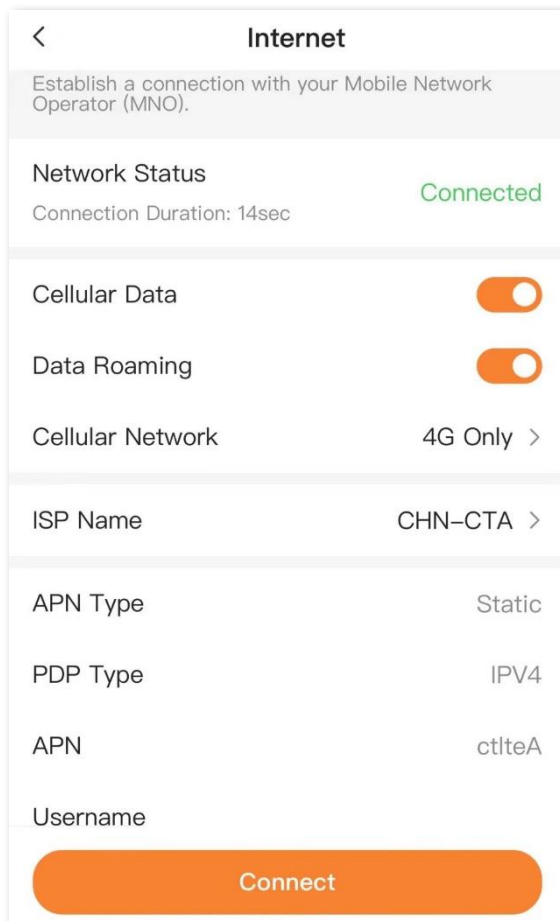
To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Internet**.

On this page, you can change the preference towards the cellular network.

Assume that you are using the mobile Wi-Fi outside the coverage of the ISP of your SIM card and want to use 4G network only.

Procedure:

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Internet**.
- Step 2** Enable **Cellular Data** and **Data Roaming**.
- Step 3** Set **Cellular Network** to **4G Only**.
- Step 4** Tap **Connect**.



---End

After the configuration is completed, you can use the 4G network only to access the internet outside the coverage of your ISP.

4.2.2 Configure the APN settings

An Access Point Name (APN) is a gateway between a cellular network and the internet. A mobile device making a data connection must be configured with an APN to present to the ISP.

If the mobile Wi-Fi cannot identify APN parameters automatically and access the internet, or when the mobile Wi-Fi already received 4G signal but cannot be connected to the internet properly, you need to configure the APN dial-up information of the ISP. Or you want to manually set the APN parameters, you can also configure the APN dial-up information. The APN information can be obtained by consulting the ISP's service personnel.

Procedure:

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Internet**.
- Step 2** Tap **ISP Name**, and tap **Add**.
- Step 3** Enter the required parameters inquired from your ISP.
- Step 4** Tap **Save**.

- Step 5** Select the ISP on the **ISP Selection** page.
- Step 6** Tap **Connect** on the **Internet** page.

---End

Wait a moment. The mobile Wi-Fi will use the parameters you entered to dial up for internet access, and you can access the internet.

5 Wi-Fi settings

5.1 Overview

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Wi-Fi**.

On this page, you can configure basic Wi-Fi parameters, such as the Wi-Fi name and Wi-Fi key. And you can also configure the advanced Wi-Fi settings of the mobile Wi-Fi.

After the configuration is completed, tap **Save** to make the configuration take effect. After the configuration is applied, Wi-Fi-enabled devices need to be reconnected to the mobile Wi-Fi.



TIP
If no client connects to the mobile Wi-Fi within 10 minutes, the mobile Wi-Fi will disable the Wi-Fi. To enable it, press the Power button

The screenshot shows the 'Wi-Fi' configuration page with a 'Save' button in the top right corner. The page is divided into two sections: 'Basic Settings' and 'Advanced'.


Basic Settings:

- * Wi-Fi Name:** Tenda_06D7C6
- Hide:** (Unselected). Below this is a note: "After hidden, the Wi-Fi name cannot be searched and needs to be entered manually."
- * Wi-Fi Key:** Represented by 12 black dots and a small key icon.

Advanced:

- Encryption Mode:** WPA3-SAE/WPA2-PSK >
- Wi-Fi Channel:** Automatic () >
- Wi-Fi Mode:** 11b/g/n/ax Mixed >
- Country/Region:** NONE >

Parameter description

Parameter	Description
Wi-Fi Name	Specifies the Wi-Fi name of the Wi-Fi network.
Hide	Used to hide the Wi-Fi name of the Wi-Fi network to improve the security level of the Wi-Fi network. When this function is enabled, the Wi-Fi network is invisible to Wi-Fi-enabled devices. You need to enter the Wi-Fi name of the Wi-Fi network on your Wi-Fi-enabled devices (such as a smartphone) manually if you want to join the Wi-Fi network.
Wi-Fi Key	Specifies the password for connecting to the Wi-Fi network. You are strongly recommended to set a Wi-Fi password for security.  TIP It is recommended to use the combination of digits, uppercase letters, lowercase letters, and special symbols in the password to enhance the security of the Wi-Fi network.
Encryption Mode	Specifies the encryption modes supported by the mobile Wi-Fi, including: <ul style="list-style-type: none"> - None: The Wi-Fi network is not encrypted and any clients can access the network without a password. This option is not recommended as it leads to low network security. - WPA-PSK: The network is encrypted with WPA-PSK/AES, which has a better compatibility than WPA2-PSK. - WPA2-PSK: The network is encrypted with WPA2-PSK/AES, which has a higher security level than WPA-PSK. - WPA-PSK/WPA2-PSK: WPA-PSK and WPA2-PSK are adopted to encrypt the network, providing both security and compatibility. - WPA3-SAE/WPA2-PSK: The Wi-Fi network adopts the mixed encryption mode of WPA2-PSK/AES and WPA3-SAE/AES to ensure the higher safety. You are recommended to use this encryption mode.
Wi-Fi Channel	Specifies the channel of Wi-Fi network. The options vary according to the selected country or region. By default, the Wi-Fi channel is Automatic , which indicates that the mobile Wi-Fi selects a channel for the Wi-Fi network automatically. You are recommended to choose a channel with less interference for better Wi-Fi transmission efficiency. You can use a third-party tool to scan the Wi-Fi signals nearby to understand the channel usage situations.
Wi-Fi Mode	Specifies the Wi-Fi network standards supported by the mobile Wi-Fi. Only the Wi-Fi clients compliant with the standards can connect to the mobile Wi-Fi. The Wi-Fi mode is 11b/g/n/ax Mixed by default.
Country/Region	Specifies the country or region where the mobile Wi-Fi is used.

5.2 Change the Wi-Fi name and Wi-Fi key

Assume that you want to change the Wi-Fi name and Wi-Fi key to **Tenda_123456** and **John_Doe123**. And **WPA3-SAE/WPA2-PSK** is set to the encryption mode.

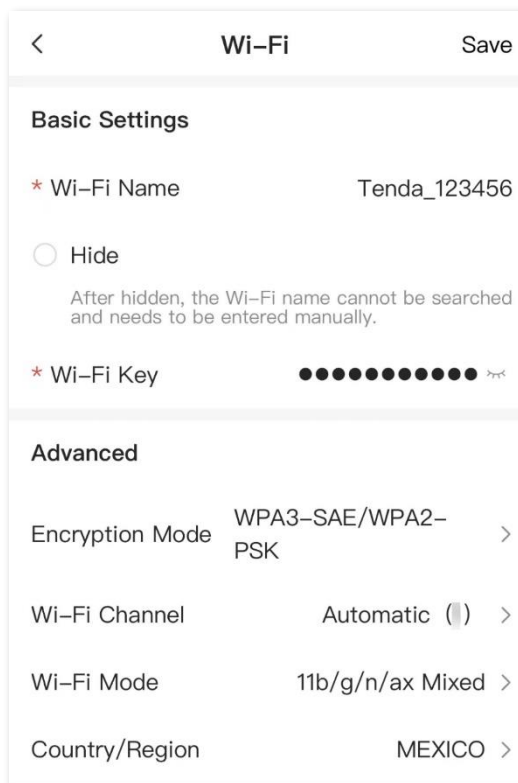
Procedure:

Step 1 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Wi-Fi**.

Step 2 Change and configure the parameters of the Wi-Fi network as required.

1. Change the **Wi-Fi Name** of the Wi-Fi network, which is **Tenda_123456** in this example.
2. Set the **Wi-Fi Key** of the Wi-Fi network, which is **John_Doe123** in this example.
3. Set the **Encryption Mode**, which is **WPA3-SAE/WPA2-PSK** in this example.

Step 3 Tap **Save**.



---End

After the configuration is completed, you can connect your Wi-Fi-enabled devices to the Wi-Fi network of the mobile Wi-Fi to access the internet.

5.3 Hide the Wi-Fi network

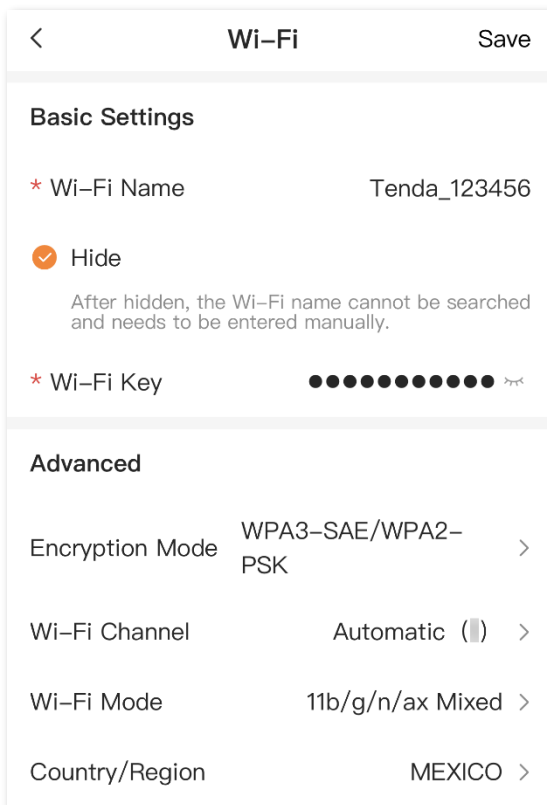
The hidden Wi-Fi network is invisible to the Wi-Fi device, thus improving the security of the network.

Procedure:

Step 1 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Wi-Fi**.

Step 2 Select **Hide**.

Step 3 Tap **Save**.



---End

After the configuration is completed, the Wi-Fi name is invisible to the Wi-Fi device.

5.4 Connect to a hidden Wi-Fi network

When a Wi-Fi network is hidden, you need to enter the Wi-Fi name manually first and connect to it.


Assume that the parameters are:

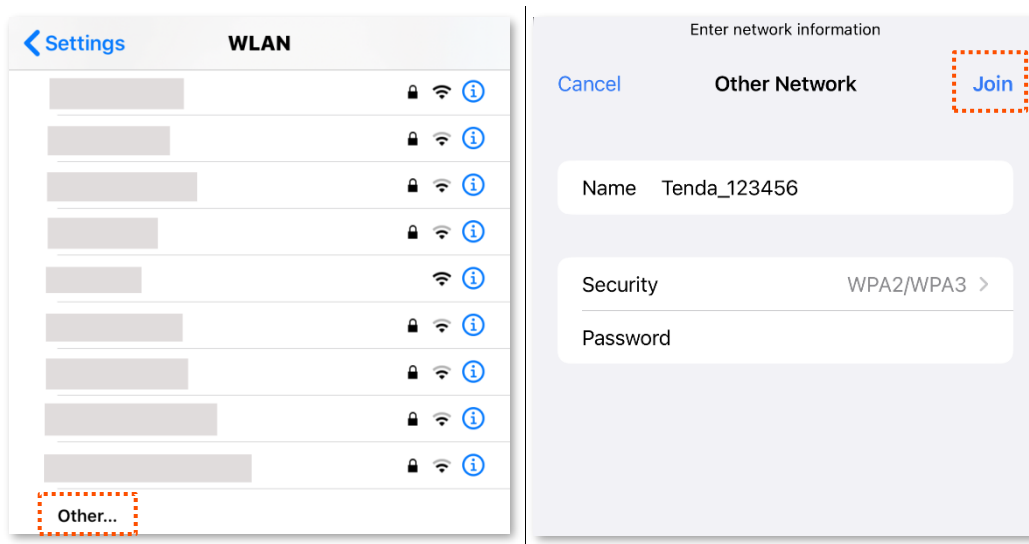
- Wi-Fi name: **Tenda_123456**
- Wi-Fi password: **John_Doe123**
- Encryption mode: **WPA3-SAE/WPA2-PSK**



If you do not remember the Wi-Fi parameters of the Wi-Fi network, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Wi-Fi** to find them.

Procedure for connecting to the Wi-Fi network on your Wi-Fi device (Example: iPhone):

- Step 1** Tap  (Settings) on your smartphone, and tap **WLAN**.
- Step 2** Enable **WLAN**, scroll the Wi-Fi list to the bottom, and tap **Other...**
- Step 3** Enter the Wi-Fi name and password, which are **Tenda_123456** and **John_Doe123** in this example.
- Step 4** Set **Security** to **WPA2/WPA3** (if **WPA2/WPA3** is not available, select **WPA3**).
- Step 5** Tap **Join**.



---End

After the configuration is completed, you can connect to the hidden Wi-Fi to access the internet.

6 Client management

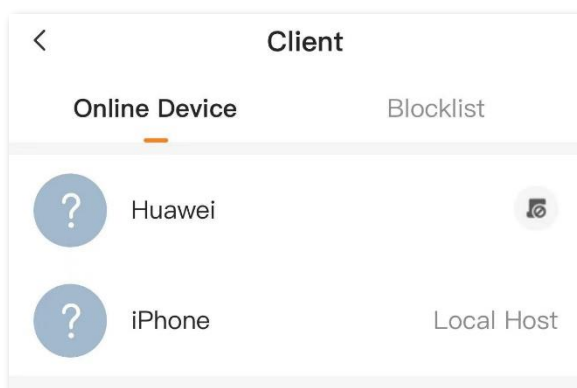
6.1 View online devices


On this page, you can view the information of clients connected to the mobile Wi-Fi, including the IP address and MAC address. And you can also modify the client remarks.

Procedure:

Step 1 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Client**.

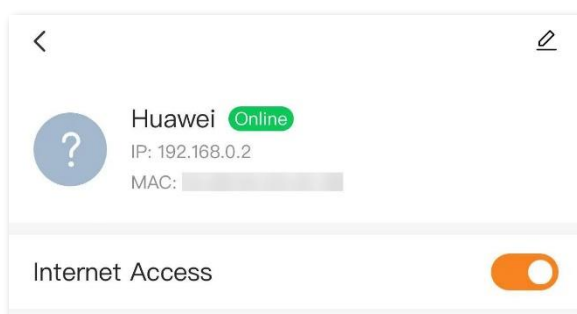
Step 2 Select the client to be viewed, which is **Huawei** in this example.



Step 3 (Optional) Tap  in the upper right corner to modify the client remarks, and tap **OK**.



If the **Internet Access** function of the client is disabled, the client will be moved to the blocklist and cannot connect to the Wi-Fi network of the mobile Wi-Fi.




---End

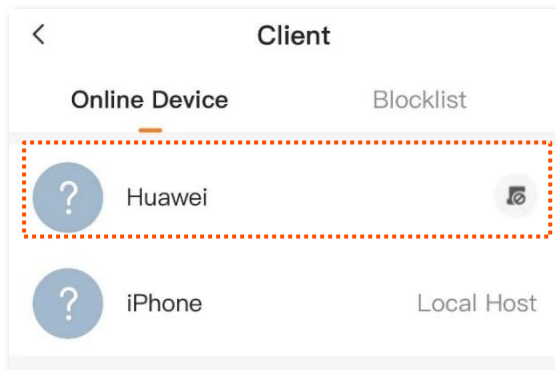
6.2 Add devices to the blocklist

On this page, you can add clients to the blocklist to block the internet access.

Procedure:

Step 1 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Client**.

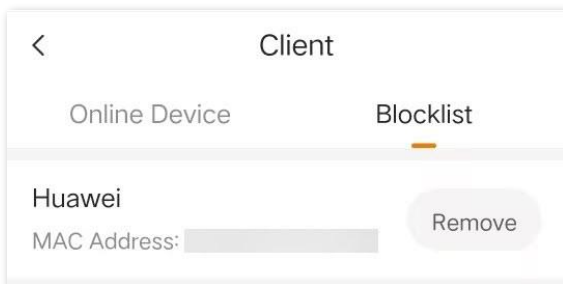
Step 2 Target the client to be added in **Online Device**, and tap .



Step 3 Confirm the prompt information, and tap **OK**.

---End

Navigate to **Client** > **Blocklist**, you can view the information of the client that is added to the blocklist.



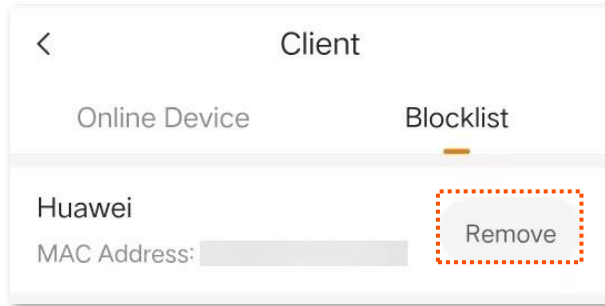
6.3 Remove devices from the blacklist

On this page, you can remove clients from the blacklist as required.

Procedure:

Step 1 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Client > Blacklist**.

Step 2 Target the client to be removed from the blacklist, and tap **Remove**.



---End

After the configuration is completed, the client is removed from the blacklist and can be connected to the mobile Wi-Fi again.

7 Data plan

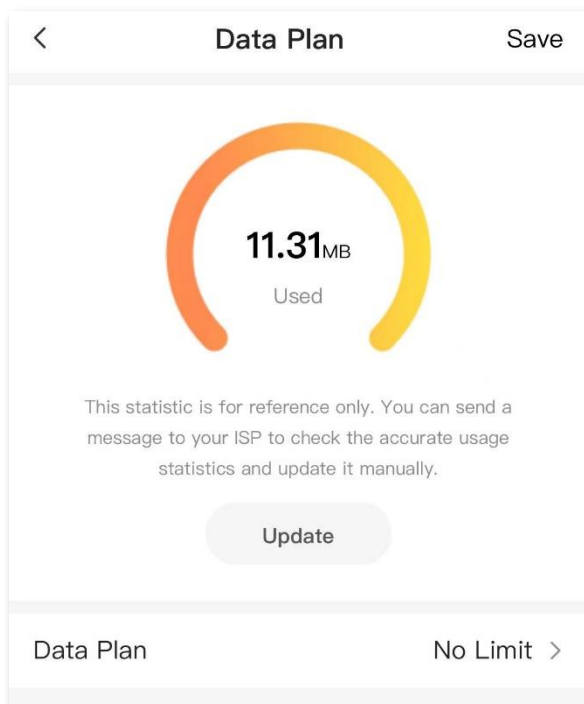
7.1 Overview

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Data Plan**.

On this page, you can view and update data usage statistics, and configure data usage settings, such as data usage limit and usage notification.



The mobile Wi-Fi supports data calibration. If the data displayed on the web UI is different from the actual used, you can tap **Update** to manually modify the used data.



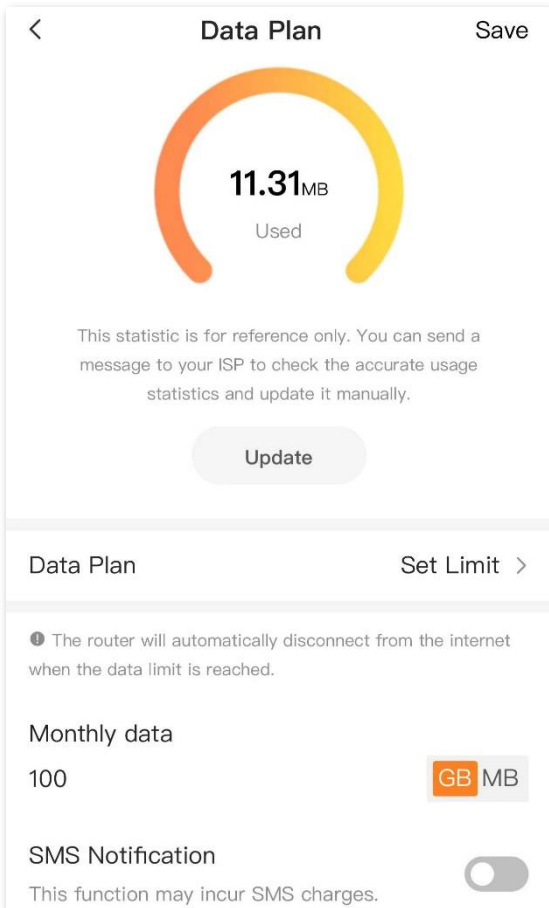
Parameter description

Parameter	Description
Data Plan	<p>Specifies the cellular data plan of the mobile Wi-Fi.</p> <ul style="list-style-type: none">- No Limit: It indicates that no limits on data usage.- Set Limit: It indicates that you can set the data limit function. When the limit is reached, the mobile Wi-Fi will disconnect from the internet automatically.- Monthly Statistics: It indicates that you can set the monthly data statistics function. The mobile Wi-Fi will clear the used data at the date specified in Start Date.

7.2 Configure data limit

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Data Plan**.

On this page, you can view and configure data usage settings, such as data usage limit and usage notification.



The SIM notification function is disabled by default. The following displays the page when the function is enabled.

SMS Notification

This function may incur SMS charges.

Threshold Value: 80.00GB

0%

 100%

Mobile Number

Send messages for testing

Please enter

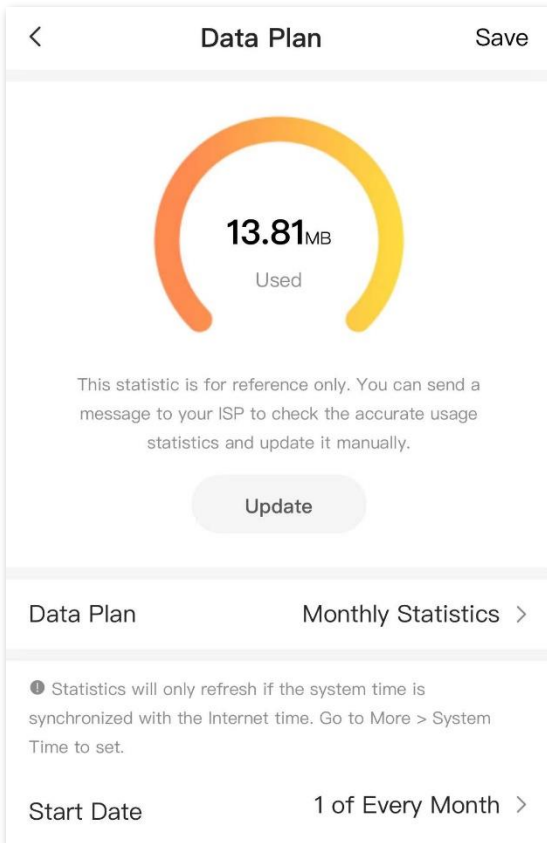
Parameter description

Parameter	Description
Monthly Data	Specifies the specific maximum data usage allowed for each month.
SMS Notification	Specifies whether to enable the SMS notification function.
Threshold	When the percentage of data used reaches the limit, the mobile Wi-Fi will send a SMS notification to a specified phone number.
Mobile Number	Specifies the phone number for receiving the SMS notification. You can tap Send to test the phone number after you entered the mobile number.

7.3 Configure monthly data statistics

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **Data Plan**.

On this page, you can configure the monthly data statistics of the mobile Wi-Fi. After the configuration is completed, the mobile Wi-Fi will clear the used data at the date specified.



Parameter description

Parameter	Description
Start Date	Specifies the date at which the mobile Wi-Fi clears the data statistics of the last month and starts to record the following month.

7.4 An example of cellular data configurations

Scenario: You inserted a SIM card in the mobile Wi-Fi to provide mobile internet access for your smartphone, iPad and laptop.

Goal: You want to receive SMS notification on your smartphone and get prepared when the usage reaches a certain amount every month.

Solution: You can configure cellular data settings to reach the goal.

Assume that:

- Monthly available data: 10 GB
- Start date of data usage record: 1st each month
- Threshold: 80% (Value: 8 GB)
- Mobile number: 188****5555

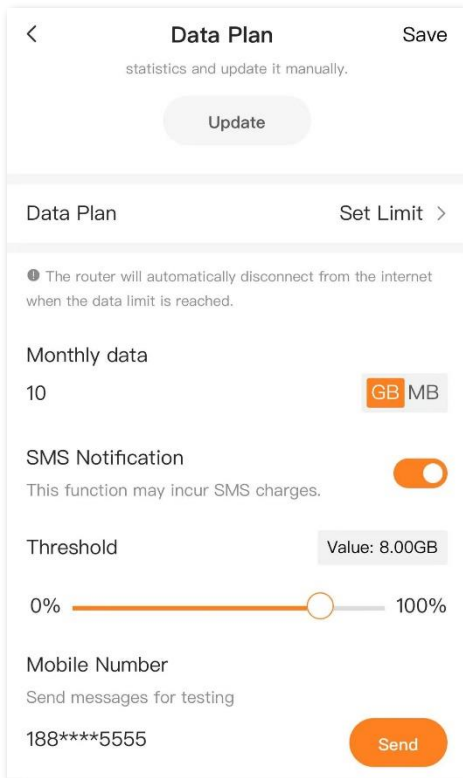
Procedure:

Step 1 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Data Plan**.

Step 2 (Optional) Tap **Update** to update the current usage data.

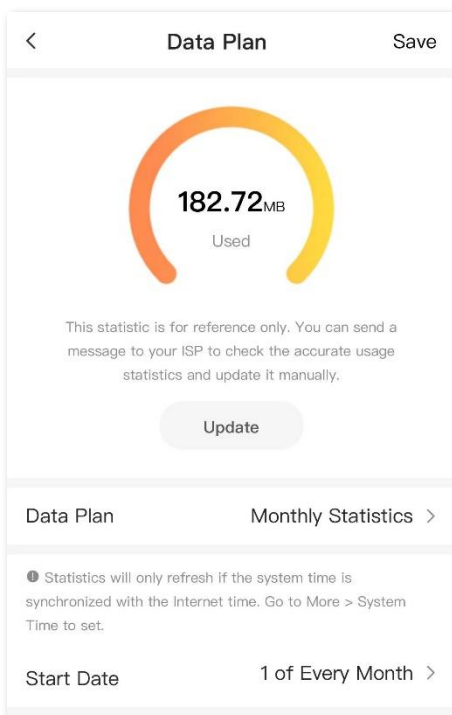
Step 3 Set the data limit, and tap **Save**.

1. Set **Data Plan** to **Set Limit**.
2. Set **Monthly data** to **10**, and select **GB**.
3. Enable the **SMS Notification** function.
4. Set **Threshold**, which is **80%** (Value: 8 GB) in this example.
5. Set **Mobile Number**, which is **188****5555** in this example.



Step 4 Set the monthly data statistics, and tap **Save**.

1. Set **Data Plan** to **Monthly Statistics**.
2. Set **Start Date**, which is **1 of Every Month** in this example.



---End

After the configuration is completed, you will receive a SMS message when the data usage reached 8 GB and cannot access the internet through the mobile Wi-Fi when the data usage reached 10 GB.



If you want to connect to the internet again after the data limit is reached, try the following methods:


- Change the used data by tapping **Update**.
 - Set **Data Plan** to **No Limit**.
-

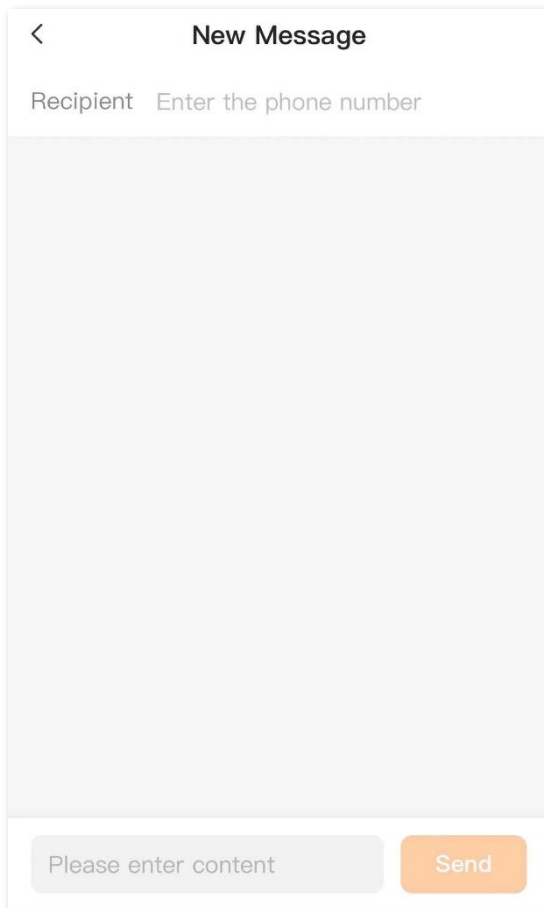
8 SMS message

This mobile Wi-Fi supports sending, receiving and deleting SMS messages on the web UI.

8.1.1 Send SMS messages

Send SMS messages to a new phone number

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Message**.
- Step 2** Tap  in the upper right corner.
- Step 3** Enter the phone number in the **Recipient** column.
- Step 4** Enter the message content in the column at the bottom.



- Step 5** Tap **Send** at the bottom right corner.

---End

Send messages to an existing phone number

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Message**.
- Step 2** Tap the targeted phone number.
- Step 3** Enter the message content in the column at the bottom.
- Step 4** Tap **Send** at the bottom right corner.



---End


After the messages are sent, you can view them on the **Message** page.

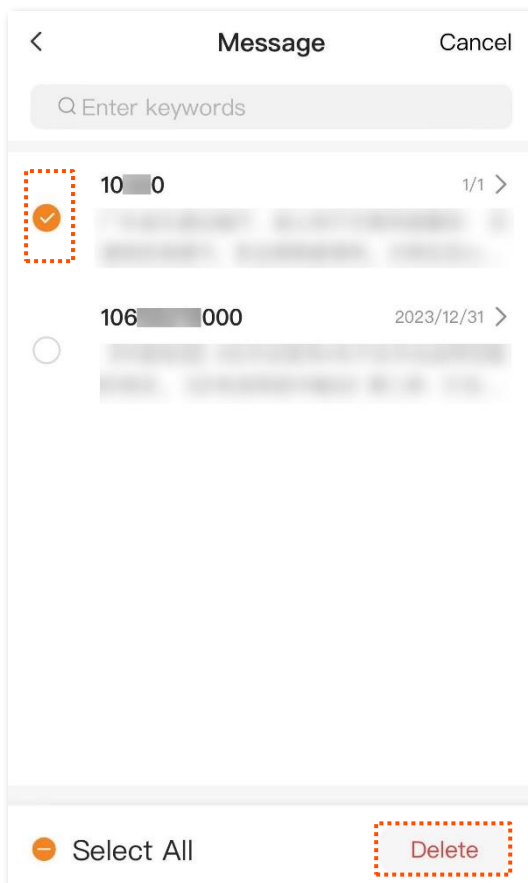
8.1.2 Delete SMS messages



Messages stored in the SIM card will be also deleted.


Delete all messages of the same phone numbers

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Message**.
- Step 2** Tap  in the upper right corner.
- Step 3** Select the phone number to be deleted.
- Step 4** Tap **Delete**.



---End

Delete certain messages of the same phone number

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **Message**.
- Step 2** Tap the targeted phone number.
- Step 3** Tap  in the upper right corner.

Step 4 Select the messages to be deleted.

Step 5 Tap **Delete**.



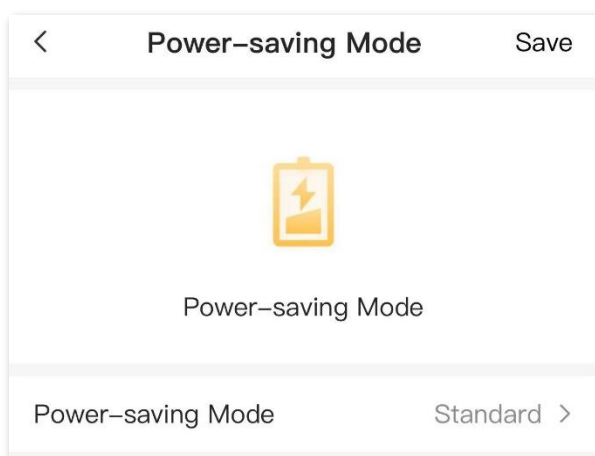
---End

9 More

9.1 Power saving

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > Power Saving**.

On this page, you can adjust the power-saving mode to extend the usage time of the mobile Wi-Fi.



Parameter description

Parameter	Description
Power-saving Mode	<p>Specifies the power-saving mode of the mobile Wi-Fi, including Standard and Energy Saving.</p> <ul style="list-style-type: none"> - Standard: It is recommended to use the standard mode when the remaining power is sufficient. The Wi-Fi coverage in standard mode is larger, but it consumes more power. - Energy Saving: When the remaining power is low (about 20%-30%), the energy saving mode will be automatically enabled to extend the usage time of the mobile Wi-Fi. Energy saving mode can save the power, but Wi-Fi coverage will be smaller.

9.2 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.

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > Login Password**.

On this page, you can change the password and the old password is required.

<	Login Password	Save
Old Password	Enter old password ↗↖	
New Password	5 – 63 characters ↗↖	
Confirm Password	5 – 63 characters ↗↖	

**TIP**

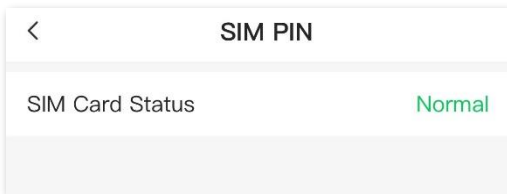
If you forgot your login password and cannot log in to the web UI of the mobile Wi-Fi, refer to [reset the mobile Wi-Fi](#) to restore the mobile Wi-Fi to factory settings and log in to the web UI again.

9.3 SIM PIN

SIM PIN is a protective measure to prevent your SIM card from misuse. If your SIM card is locked when you insert it into the mobile Wi-Fi, you are required to unlock it for internet access.

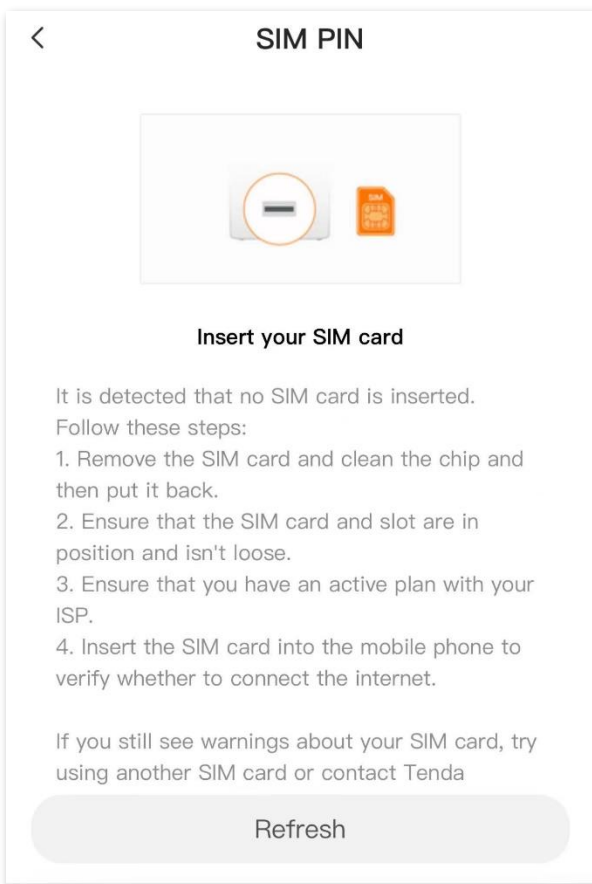
To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > SIM PIN**.

When the status of the SIM card is normal, the page is shown as below.



9.3.1 Insert SIM card correctly

If no SIM card is detected, you can complete the operation according to the page prompts.



9.3.2 Use PUK code to set PIN code

If PUK code is locked, you must contact your ISP for the PUK code to reset the PIN code. Otherwise the SIM card will be locked permanently after you enter the wrong PUK code for 10 times. And then set a new PIN code for the SIM card.

<
SIM PIN
Unlock

SIM Card Status
Unlock PUK Code

* PUK Code Enter the 8-digit PUK code

* PIN Code Enter a new PIN code

* Confirm
New PIN Confirm the new PIN code

Note1: If the PUK code has been entered more than 10 times, the SIM card will be permanently blocked. Confirm and enter. Operate with caution! [View details >](#)

Note2: With the PIN code unlocked, the device will automatically unlock the PIN when it starts up later without entering it again.



When **SIM Card Locked** is shown on the page, it indicates the SIM card is permanently blocked. Try again with another SIM card or contact your ISP for help.

9.4 DHCP settings

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > DHCP Settings**.

On this page, you can:

- Change the IP address and subnet mask of the mobile Wi-Fi.
- Change the DHCP server parameters of the mobile Wi-Fi.

The DHCP server can automatically assign IP address, subnet mask, gateway and other information to clients within the LAN. If you disable this function, you need to manually configure the IP address information on the client to access the internet. Do not disable the DHCP server function unless necessary.

- Configure the DNS information assigned to clients.






DHCP Settings		Save
IP Address	192.168.0.1	
Subnet Mask	255.255.255.0	
DHCP Server	<input checked="" type="checkbox"/>	
Start IP	192.168.0.2	
End IP	192.168.0.254	
Lease Time	1 day >	
<small>With the validity period of the IP address assigned by the DHCP server to the client, if no special needs, it is recommended to keep the default settings.</small>		
Manual DNS	<input checked="" type="checkbox"/>	
* Primary DNS	192.168.0.1	
Secondary DNS	Optional	

NOTE

If you have changed the LAN IP address of the mobile Wi-Fi:

- Use the new IP address to access the web UI of the mobile Wi-Fi.
- Set the new IP address as the gateway IP address of a client for which IP address settings are configured manually.

Parameter description

Parameter	Description
IP Address	Specifies the LAN IP address of the mobile Wi-Fi, which is also the management IP address for logging in to the web UI of the mobile Wi-Fi.
Subnet Mask	Specifies the subnet mask of the mobile Wi-Fi, which is used to identify the IP address range of the local area network.
DHCP Server	Specifies whether to enable the DHCP server function. Once enabled, the DHCP server automatically assigns internet parameters such as IP address, subnet mask and gateway address to the client. This function is recommended to be enabled.
Start IP	Specify the range of IP addresses that can be assigned to devices connected to the mobile Wi-Fi. The default range is 192.168.0.2 to 192.168.0.254.
End IP	 TIP It is available only when DHCP Server is enabled.
Lease Time	Specifies the valid duration of the IP address that is assigned to a client. After an IP address expires, the mobile Wi-Fi can assign it to any client. The default value is recommended.  TIP It is available only when DHCP Server is enabled.
Manual DNS	Specifies whether to allocate another DNS address to the client. When it is disabled, the LAN IP address of the mobile Wi-Fi is used as the DNS address of the client. When it is enabled, Primary DNS must be set and Secondary DNS is optional.  TIP It is available only when DHCP Server is enabled.
Primary DNS	Specifies the primary DNS address of the mobile Wi-Fi, which is assigned to the clients. You can change it if necessary. Ensure that the primary DNS server is the IP address of the correct DNS server or DNS proxy. Otherwise, you may fail to access the internet.  TIP It is available only when Manual DNS is enabled.
Secondary DNS	Specifies the secondary DNS address of the mobile Wi-Fi used to assign to the clients. It is an optional field and is left blank by default.  TIP It is available only when Manual DNS is enabled.

9.5 ISP upgrade

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > ISP Upgrade**.

On this page, you can update the ISP information to obtain the better user experience. When you cannot access the internet, you can try to use this function to solve the problem.



To prevent the mobile Wi-Fi from being damaged:

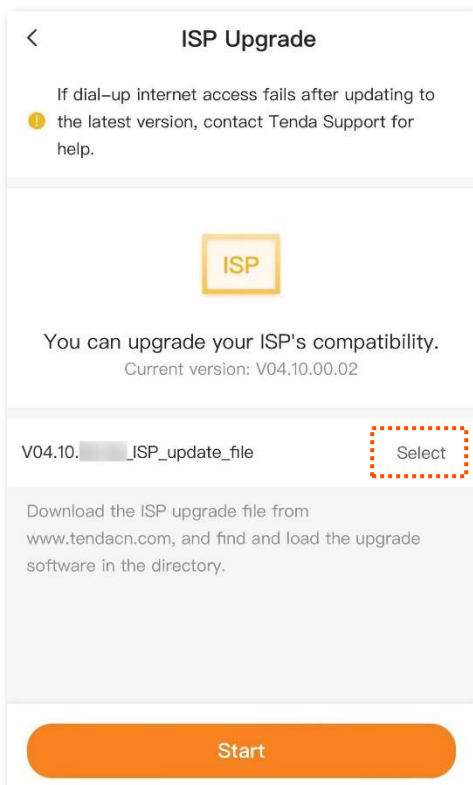
- Ensure that the update file is applicable to the mobile Wi-Fi.
- When you are updating the ISP information, do not power off the mobile Wi-Fi.

Procedure:

Step 1 Go to www.tendacn.com. Download an applicable ISP update file to your smartphone.

Step 2 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > ISP Upgrade**.

Step 3 Tap **Select**, and tap **Choose File**. Select and upload the ISP update file that has been downloaded in **Step 1**, and tap **Start**.



---End

Reboot the mobile Wi-Fi to make the configuration to take effect. Log in to the web UI of the mobile Wi-Fi again, you can check whether the upgrade is successful based on the **Current version** on the **ISP Upgrade** page.

9.6 Firmware upgrade

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > Firmware Upgrade**.

This function enables the mobile Wi-Fi to obtain the latest functions and more stable performance. The mobile Wi-Fi supports online upgrade and local upgrade.

9.6.1 Online upgrade

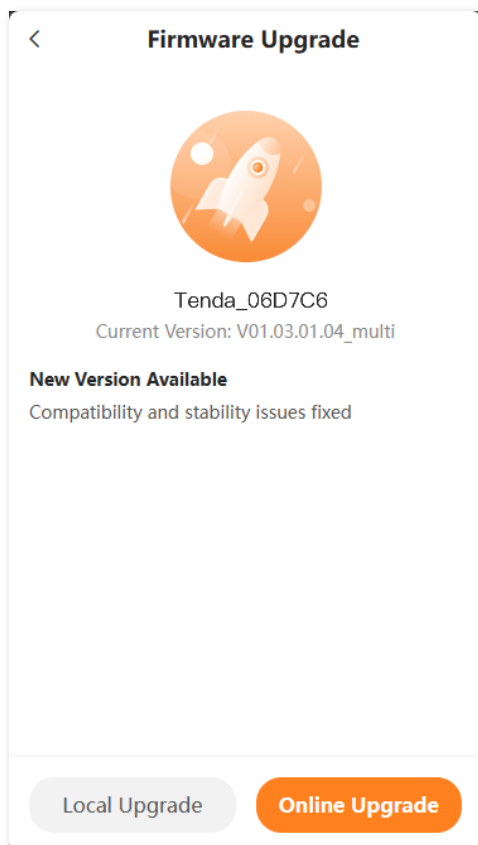
When the mobile Wi-Fi is connected to the internet, it auto-detects whether there is a new firmware and displays the detected information on the page. You can choose whether to upgrade to the latest firmware.

Procedure:

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > Firmware Upgrade**.
- Step 2** Wait until a new firmware version is detected (if any), and tap **Online Upgrade**.



It is available only when the new firmware of the mobile Wi-Fi is detected.



Step 3 Confirm the prompt information, and tap **Upgrade**.

---End

Wait for a moment until the reboot finishes. Log in to the web UI of the mobile Wi-Fi again, you can check whether the upgrade is successful based on the **Software Version** on the [Device Information](#) page.

9.6.2 Local upgrade



To prevent the mobile Wi-Fi from being damaged:

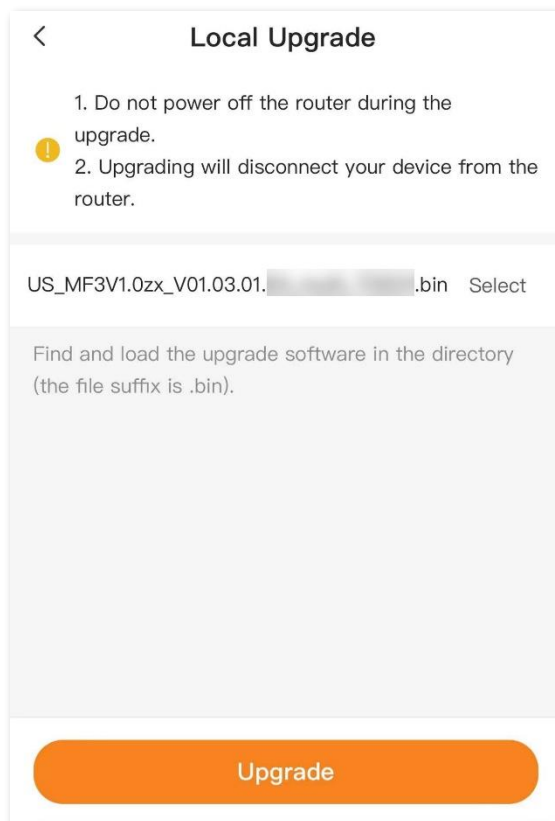
- Ensure that the firmware is applicable to the mobile Wi-Fi.
- When you are upgrading the firmware, do not power off the mobile Wi-Fi.

Step 1 Go to www.tendacn.com. Download an applicable firmware of the mobile Wi-Fi to your smartphone.

Step 2 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > Firmware Upgrade**.

Step 3 Tap **Local Upgrade**.

Step 4 Tap **Select**. Select and upload the firmware that has been downloaded to your smartphone in **Step 1**, and tap **Upgrade**.



Step 5 Confirm the prompt information, and tap **Upgrade**.

---End

Wait for a moment until the reboot finishes. Log in to the web UI of the mobile Wi-Fi again, you can check whether the upgrade is successful based on the **Software Version** on the [Device Information](#) page.

9.7 Reset and reboot

9.7.1 Reset

If you are uncertain about why the internet is inaccessible through the mobile Wi-Fi or you forget the login password of the mobile Wi-Fi, you can reset the mobile Wi-Fi.



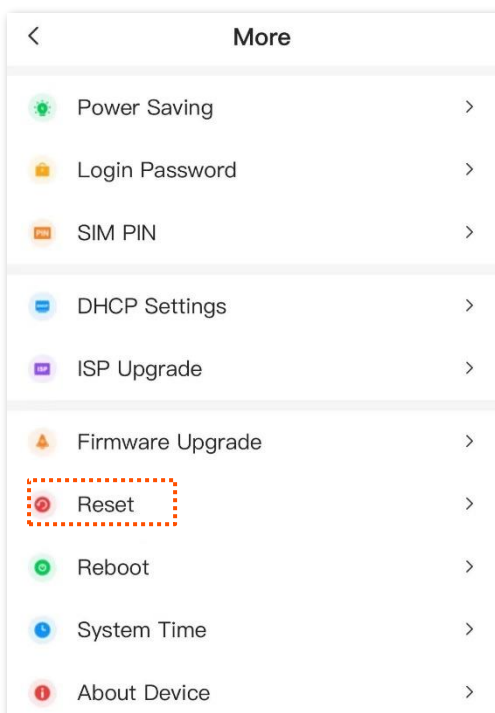
- Resetting the mobile Wi-Fi is not recommended unless you cannot find a solution for the current problem anyway. You need to reconfigure the mobile Wi-Fi after it is reset.
- Ensure that the power supply of the mobile Wi-Fi is normal when the mobile Wi-Fi is reset. Otherwise the mobile Wi-Fi could be damaged.

Reset the mobile Wi-Fi using the reset button

Hold the reset button using a sharp object for about 6 seconds, and then release it when all LED indicators light up once and then light off. When the LED indicators light again, the mobile Wi-Fi is restored to factory settings successfully.

Reset the mobile Wi-Fi on the web UI

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), navigate to **More > Reset**, and tap **Reset**.



Confirm the prompt information and wait for a moment until the reset finishes.

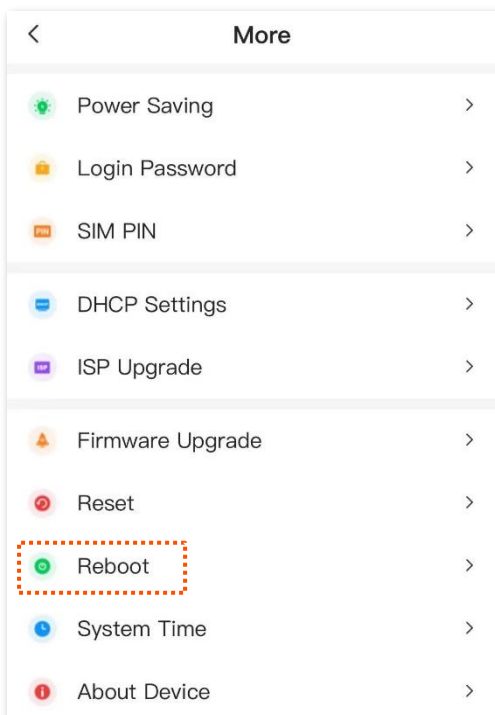
9.7.2 Reboot

If any parameter fails to take effect or the mobile Wi-Fi does not work properly, you can try rebooting the mobile Wi-Fi.



Rebooting the mobile Wi-Fi will disconnect all connections to the mobile Wi-Fi. Reboot the mobile Wi-Fi during leisure times.

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), navigate to **More > Reboot**, and tap **Reboot**.



Confirm the prompt information and wait for a moment until the reboot finishes.

9.8 System time

You can change the time settings on this page. The functioning of functions based on time requires an accurate system time. The system time of the mobile Wi-Fi can be synchronized with the internet or local device. By default, it is synchronized with the internet.

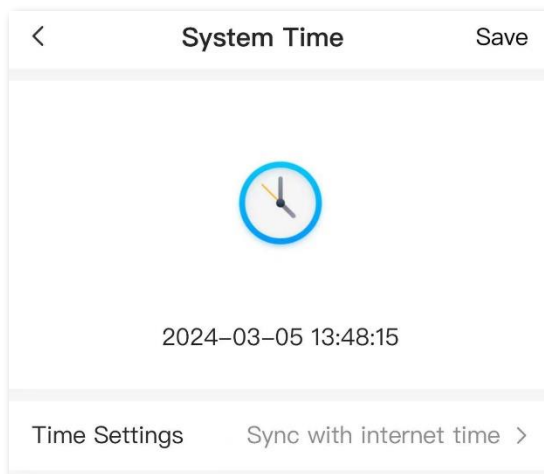
9.8.1 Sync system time with the internet time

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

Under this mode, the mobile Wi-Fi will automatically sync its time with the internet time when it is connected to the internet.

Procedure:

- Step 1** [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > System Time**.
- Step 2** Select **Sync with internet time** for **Time Settings**.
- Step 3** Tap **Save**.



---End

After the configuration is completed, you can refresh the page to check whether the system time of the mobile Wi-Fi is correct.

9.8.2 Sync system time with the local time

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

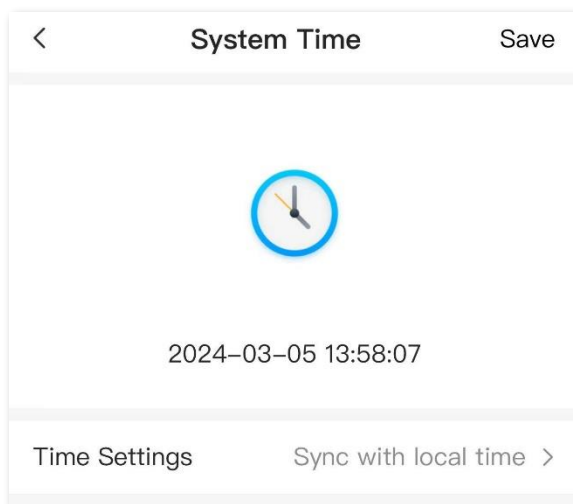
You can sync the system time of the mobile Wi-Fi with the device that is configuring the mobile Wi-Fi. Besides, you need to correct it every time after you reboot the mobile Wi-Fi to ensure the accuracy of system time.

Procedure:

Step 1 [Log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > System Time**.

Step 2 Select **Sync with local time** for **Time Settings**.

Step 3 Tap **Save**.



---End

After the configuration is completed, you can refresh the page to check whether the system time of the mobile Wi-Fi is correct.

9.9 Device information

9.9.1 View basic information

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > About Device**.

On this page, you can view the basic information of mobile Wi-Fi, including the product name, system time, online duration, software version, and so on.



Parameter description

Parameter	Description
Product Name	Specifies the product name of the mobile Wi-Fi.
System Time	Specifies the system time of the mobile Wi-Fi.
Duration	Specifies operating time of the mobile Wi-Fi since it is powered on.
Software Version	Specifies the software version of the mobile Wi-Fi.
Hardware Version	Specifies the hardware version of the mobile Wi-Fi.

9.9.2 View 3G/4G status

To access the configuration page, [log in to the web UI of the mobile Wi-Fi](#), and navigate to **More > About Device**.

On this page, you can view the information of the SIM card and 3G/4G network.

Device Information	
3G/4G	
SIM Card Status	Normal
Signal Strength	Excellent(-61dBm)
ISP	CHN-CTA
Cellular Network	4G
WAN IP	10.20.212.97(IPV4)
IPv4&v6 supported	
Download Speed	0.00Kb/s
Band	LTE Band3
IMSI	460110891132453
IMEI	861568054848928
RSRP	-61dBm
SINR	34


Parameter description

Parameter	Description
SIM Card Status	Specifies the SIM card status inserted in the mobile Wi-Fi.
Signal Strength	Specifies the signal strength of 3G/4G mobile network, including Excellent , Good and Fair .
ISP	Specifies the ISP name of the SIM card.
Cellular Network	Specifies the current network type for internet access.

Parameter	Description
WAN IP	Specifies the IP address of the mobile Wi-Fi obtained from the ISP.
Download Speed	Specifies the download speed of the mobile Wi-Fi.
Band	Specifies the operating band upon which the Wi-Fi network operates.
IMSI	Specifies the International Mobile Subscriber Identity (IMSI) of the mobile Wi-Fi.
IMEI	Specifies the International Mobile Equipment Identity (IMEI) of the mobile Wi-Fi.
RSRP	Specifies the Reference Signal Received Power (RSRP) of the mobile Wi-Fi.
SINR	Specifies the Signal to Interference plus Noise Ratio of the mobile Wi-Fi. The larger the number, the stronger the signal.

Appendix

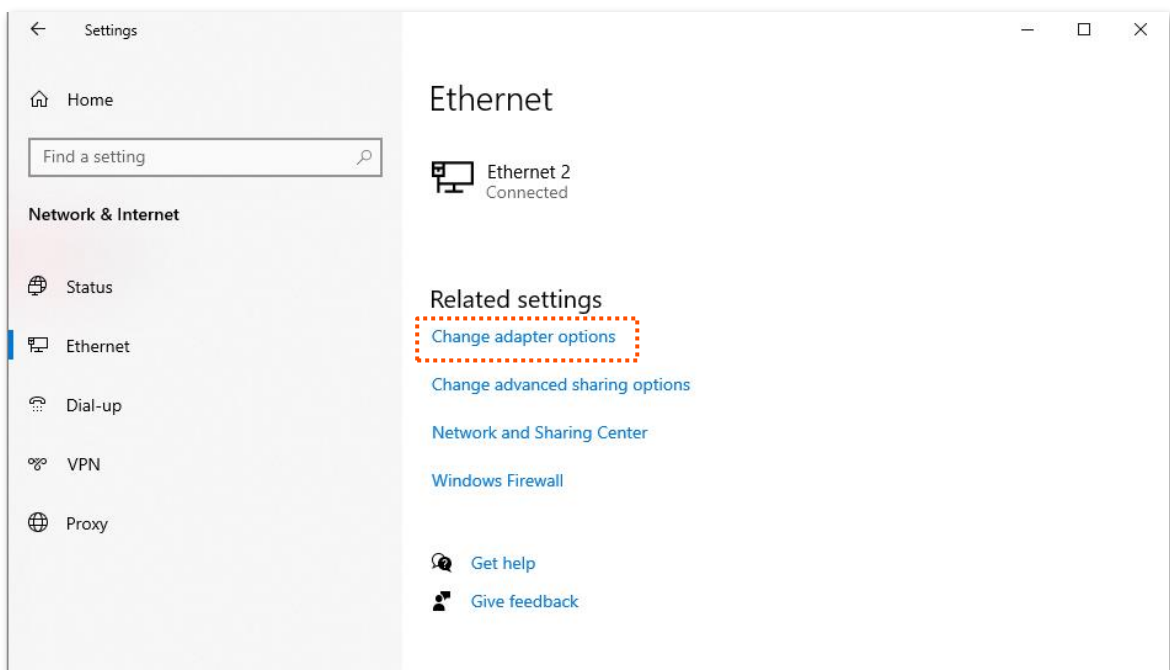
A.1 Set the IP address of your computer (Example: Windows 10)

Step 1 Click  at the bottom right corner of the desktop and choose **Network & Internet settings**.

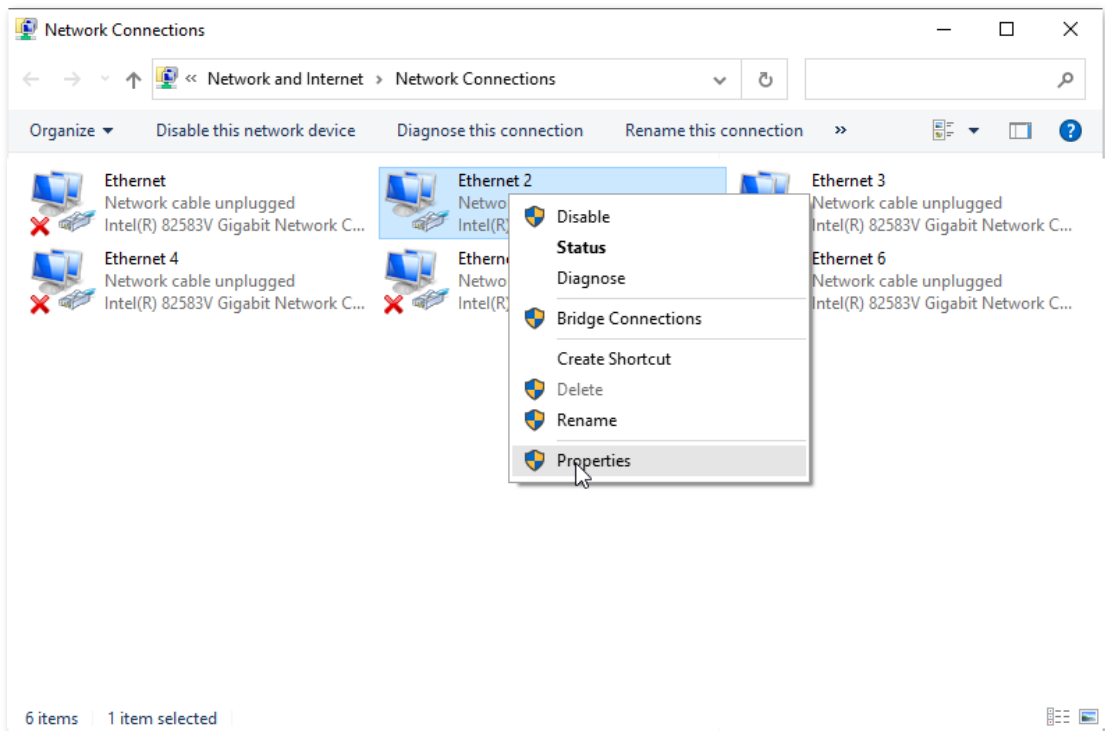


Network & Internet settings

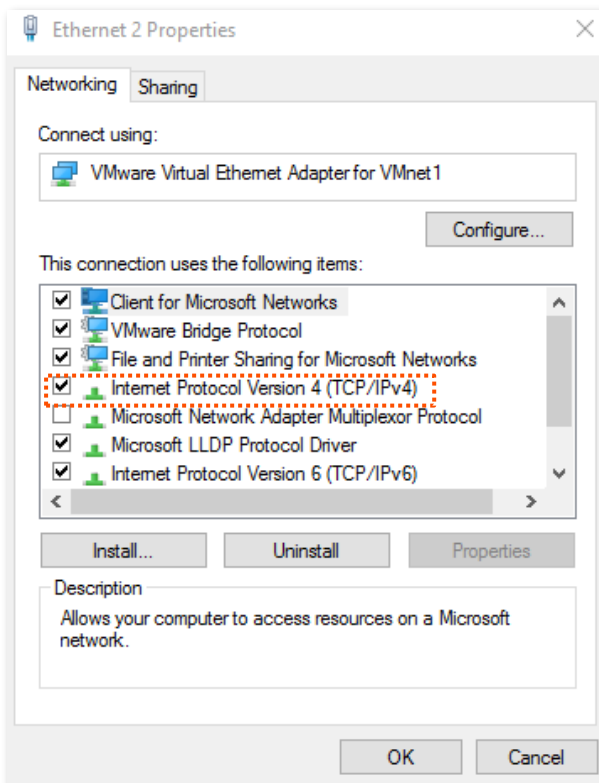
Step 2 Click **Change adapter options**.



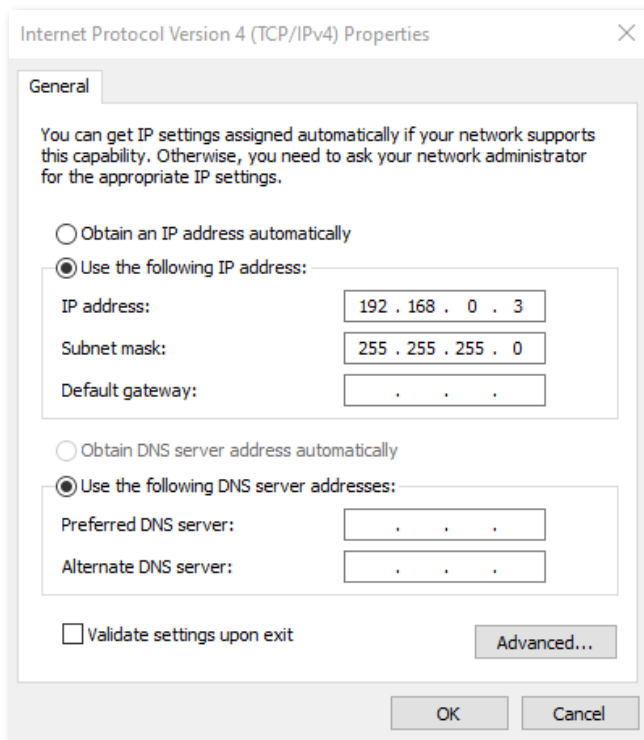
Step 3 Right-click on the connection in use, and then click **Properties**.



Step 4 Double-click **Internet Protocol Version 4 (TCP/IPv4)** or **Internet Protocol Version 6 (TCP/IPv6)**.



- Step 5** Set **IP address** to an IP address that is different from the IP address of the device but belongs to the same network segment as the IP address of the device. Set **Subnet mask** to **255.255.255.0**. And click **OK**.



- Step 6** Click **OK** in the **Ethernet Properties** window.

---End

A.2 Acronyms and Abbreviations

Acronym and Abbreviation	Full Spelling
AES	Advanced Encryption Standard
APN	Access Point Name
CHAP	Challenge Handshake Authentication Protocol
DHCP	Dynamic Host Configuration Protocol
ID	Identity Document
IMEI	International Mobile Equipment Identity
IMSI	International Mobile Subscriber Identity
IP	Internet Protocol
IPv4	Internet Protocol Version 4
IPv6	Internet Protocol Version 6
ISP	Internet Service Provider
LAN	Local Area Network
LED	Light Emitting Diode
LTE	Long Term Evolution
MAC	Medium Access Control
PAP	Password Authentication Protocol
PDP	Packet Data Protocol
PIN	Personal Identification Number
RSRP	Reference Signal Received Power
RSRQ	Reference Signal Received Quality

Acronym and Abbreviation	Full Spelling
RSSI	Received Signal Strength Indicator
SIM	Subscriber Identity Module
SINR	Signal to Interference plus Noise Ratio
SMS	Short Message Service
SOHO	Small Office and Home Office
SSID	Service Set Identifier
TCP	Transmission Control Protocol
UI	User Interface
USB	Universal Serial Bus
WPA	Wi-Fi Protected Access
WPA-PSK	WPA-Preshared Key