

MC8010CA Smart Hub User Manual

LEGAL INFORMATION

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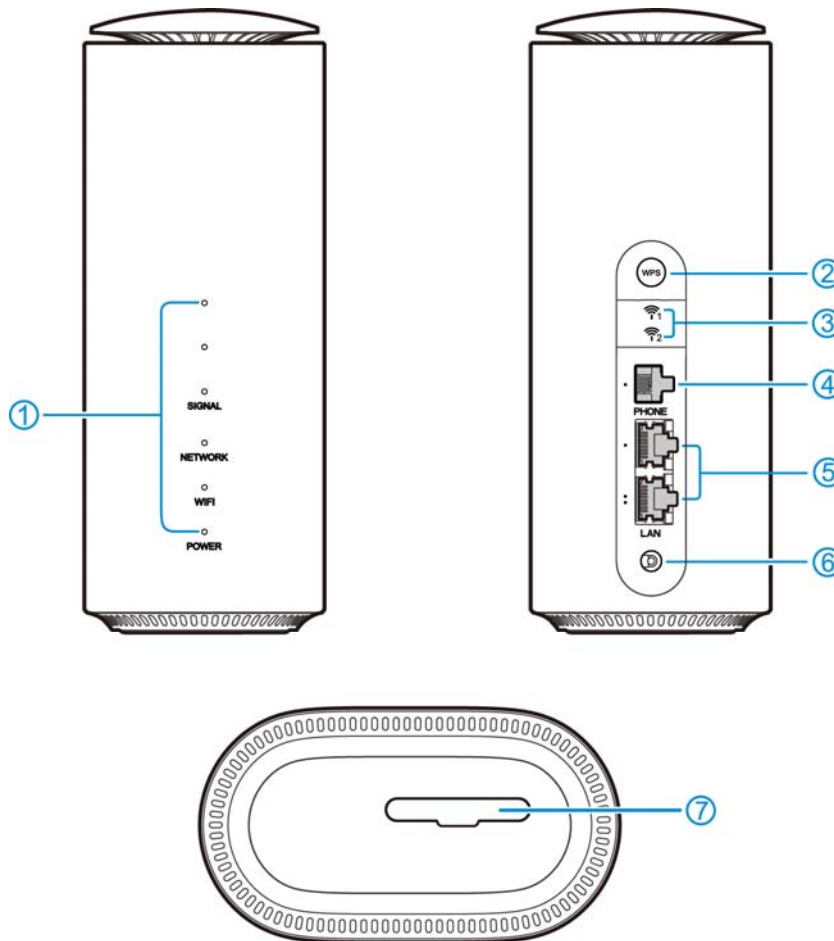
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Getting Started

Introduction

ZTE MC8010CA Smart Hub is a 5G wireless router, working on the 5G, 4G, 3G networks and compatible with WAN. You can connect your devices to it via network cables or Wi-Fi® for data service.

The following figure shows the appearance of the device. It is only for your reference. The actual device may be different.



1	Indicator lights	Show the status of the device, including signal, network, Wi-Fi, and power.
2	WPS button	<ul style="list-style-type: none"> • Press to activate the WPS function. • Press and hold for 10 seconds to power off.

		<ul style="list-style-type: none"> Press and hold for about 3 seconds to power on.
3	External antenna ports*	Connect to external antennas for better signal.
4	PHONE port	The phone port is disabled. Please do not use this port to make voice calls or call 911.
5	LAN ports	Connect to WAN (public network) or clients.
6	Power port	Connect to the power adapter.
7	nano-SIM card slot and reset hole	<ul style="list-style-type: none"> Insert your nano-SIM card. Press and hold the reset hole for about 3 seconds to restore your device to the factory settings.

* External antenna is not included. You may need to purchase separately.

Indicator Lights

When the Smart Hub is powered on, the following indicators may light up on the front of the device. Here is what they mean.

	SIGNAL (Three lights)	<p>On: Three lights show the signal strength. More lights on means better signal.</p> <p>Off: There is no signal or no nano-SIM card inserted.</p>
	NETWORK	<p>Red solid: The Smart Hub is powered on but not registered to the mobile network.</p> <p>Blue solid: The Smart Hub is registered or connected to the 3G/4G mobile network.</p> <p>White solid: The Smart Hub is registered or connected to the 5G network.</p>
	WIFI	<p>White solid: Wi-Fi works normally.</p> <p>White blinking: WPS is activated.</p> <p>Off: Wi-Fi is off.</p>
	POWER	<p>On: The Smart Hub is powered on.</p> <p>Off: The Smart Hub is powered off.</p>

Best Placement in the Home

For best connection from the Smart Hub to the cellular network:

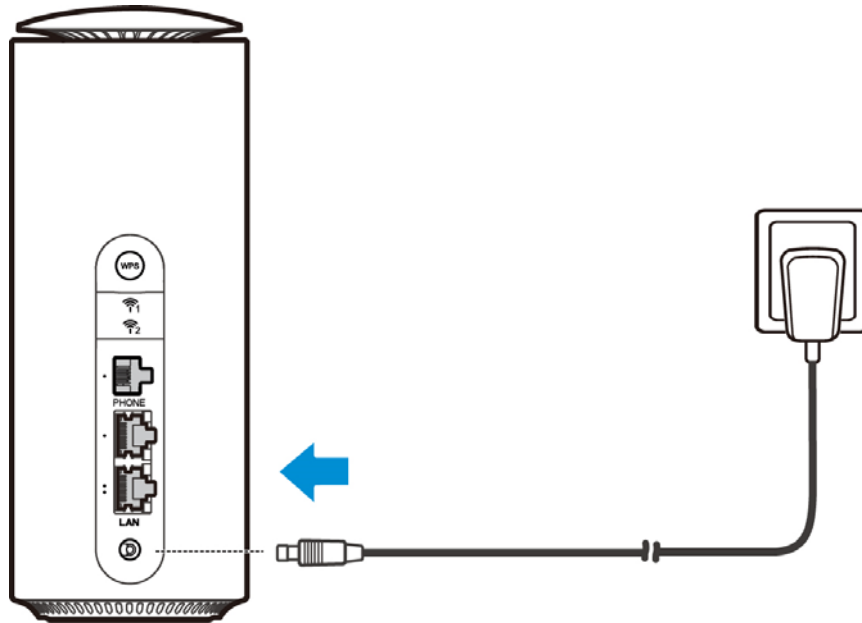
- Place your Smart Hub in a central location close to a window where there is also a power source. Concrete walls, metal doors can reduce cellular signal from the tower. Placement in basements should be avoided.
- Signal strength: You can check the cellular signal strength by checking the signal indicators on the Smart Hub or after logging into the 5G CPE web page (see [Accessing the 5G CPE Web Page](#)). If you do not have full network signal bars, try setting up the Smart Hub in another location of your home.

For best Wi-Fi connection between the Smart Hub and the clients:

- Minimize interference by trying to keep the following items no closer than 2~3 metres from your Smart Hub: Cordless telephone base stations, microwaves, baby monitors, *Bluetooth* devices, wireless speaker systems.
- Avoid congestion since adding additional devices to your Wi-Fi network may reduce the speed for all devices on that network.
- Make sure you have a good Wi-Fi signal on your client devices.

Powering On/Off Your Device

Connect the AC adapter/power cable from the Smart Hub to a wall power outlet. The device will turn on automatically.



To power off without disconnecting the cable or the adapter, press and hold the WPS button for 10 seconds. You can then press and hold the button for about 3 seconds to power on again.

Getting to Know the Work Modes

You must set the correct work mode for the Smart Hub in order for it to connect correctly under different scenarios. The Smart Hub offers 4 work modes that you can choose from in the 5G CPE web page after it is disconnected from the Internet.

- **Wireless broadband mode:** Connect the Smart Hub to the Internet via the installed nano-SIM card (see [Connecting to the Cellular Network](#)) or Internet Wi-Fi (see [Connecting to Existing Wi-Fi Networks](#)). Clients can connect to the Smart Hub with a LAN cable or through Wi-Fi to access the Internet and visit the 5G CPE web page.

 **NOTE:**

Unplug LAN cables from both LAN ports of the Smart Hub before using this mode.

- **Cable broadband mode:** Connect the Smart Hub to the public network (WAN) via a LAN cable. Clients can connect to the Smart Hub with a LAN cable or through Wi-Fi to access the Internet and visit the 5G CPE web page. You cannot access the Internet via the cellular network even when a valid nano-SIM card is installed.

 **NOTE:**

When switching to Cable broadband mode in the 5G CPE web page,

you need to select the LAN port for the WAN connection. The other LAN port is free for a client to connect.

 **NOTE:**

In Cable broadband mode, you cannot use the nano-SIM card to connect to the Internet.

- **Bridge mode:** Connect the Smart Hub to the Internet via the installed nano-SIM card (see [Connecting to the Cellular Network](#)) and then use the Smart Hub as a WAN port that another router or a client can connect to with a LAN cable. The client/router can obtain the IP address from the WAN DHCP host and connect to the Internet directly.

 **NOTE:**

When switching to Bridge mode in the 5G CPE web page, you need to select the LAN port that the router is connected to.

 **NOTE:**

In Bridge mode, you cannot connect to the Smart Hub through Wi-Fi or the remaining LAN port to access the Internet. Connect to the remaining LAN port to access the 5G CPE web page for device configuration.

- **Auto mode:** The Smart Hub will determine work mode by its status of connection.

Connecting to the Smart Hub

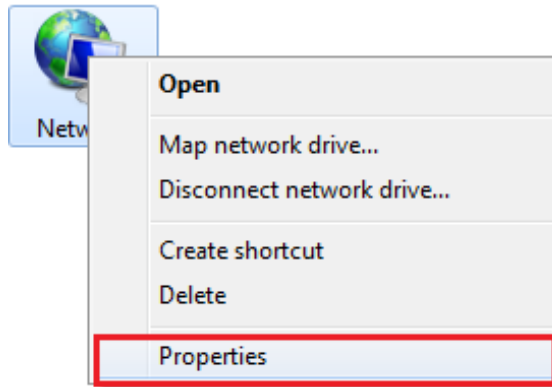
You have two options to connect to the Smart Hub from your client devices, via Wi-Fi or a LAN cable. Once you are connected, test your connection by opening the 5G CPE web page.

If you use a computer, set it to obtain an IP address automatically.

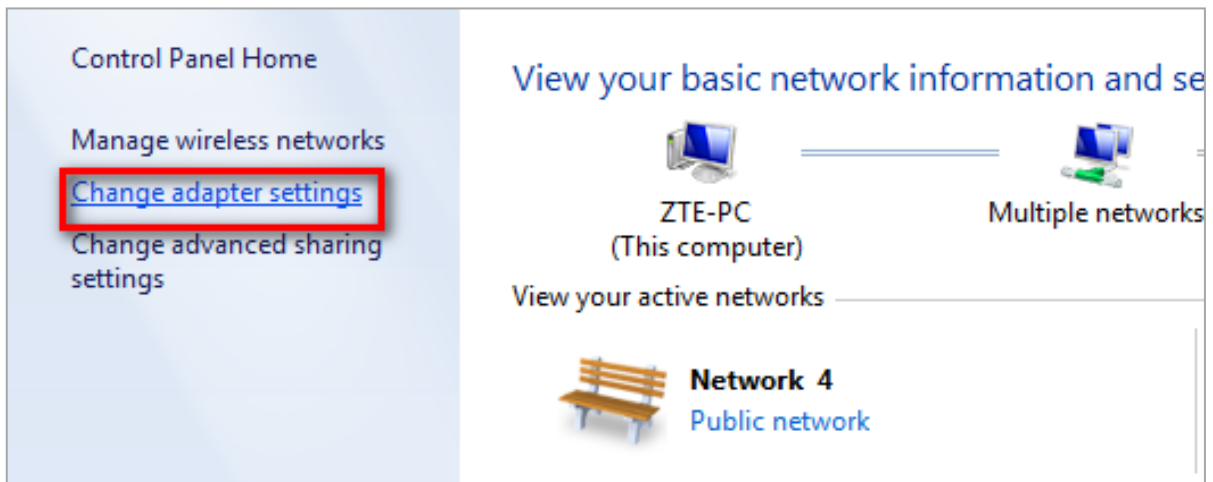
Configuring Your PC (Verifying IP Address and DNS)

The following steps and figures reflect configuration for the Internet Protocol for your connections with a Windows® 7 operating system.

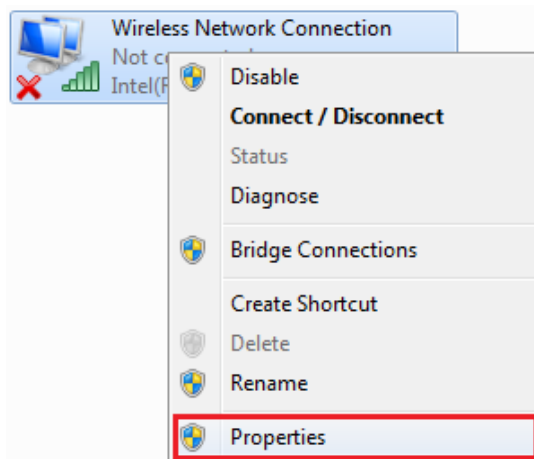
1. Right-click **Network** and select **Properties**.



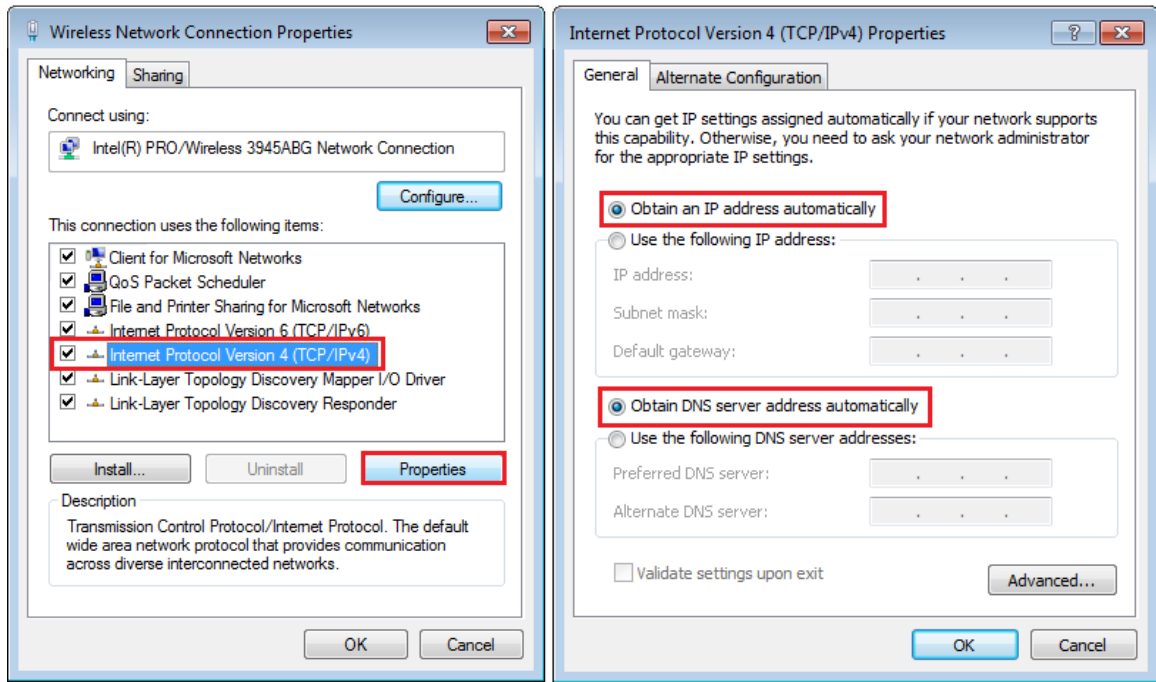
2. Select **Change adapter settings**.



3. Right-click **Wireless Network Connection** (if you connect to the Smart Hub via Wi-Fi) or **Local Area Connection** (if you connect to the Smart Hub via LAN), and then select **Properties**.

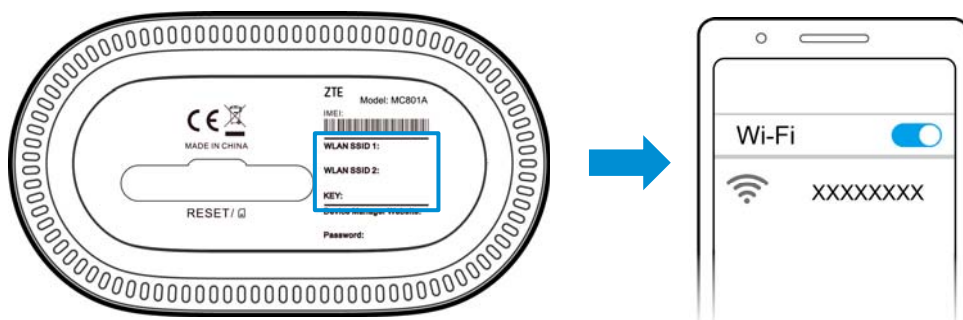


4. Select **Internet Protocol Version 4 (TCP/IPv4)**, and then click **Properties**.
5. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, and then click **OK** to finish the configuration.



Connecting via Wi-Fi

1. Find the default Wi-Fi name (SSID) and password on the sticker at the base of the Smart Hub.
2. On your Wi-Fi enabled devices, turn Wi-Fi on and view the list of available Wi-Fi networks.
3. Choose the SSID from the sticker, enter the password, and select connect.



Using the Wi-Fi Protected Setup (WPS)

If a client supports WPS, you don't have to input the password manually on the client to connect with the Smart Hub via Wi-Fi. You have two options to use WPS.

Option 1: WPS button

1. Press the **WPS button**. The Smart Hub will keep WPS on for 2 minutes.
2. Enable the WPS function on the client to respond to the WPS authentication process.
3. Follow the system prompts on your client to finish the connection.

NOTE:

This method cannot get the client connected to the guest Wi-Fi. Use option 2 to connect to the guest SSID using WPS.

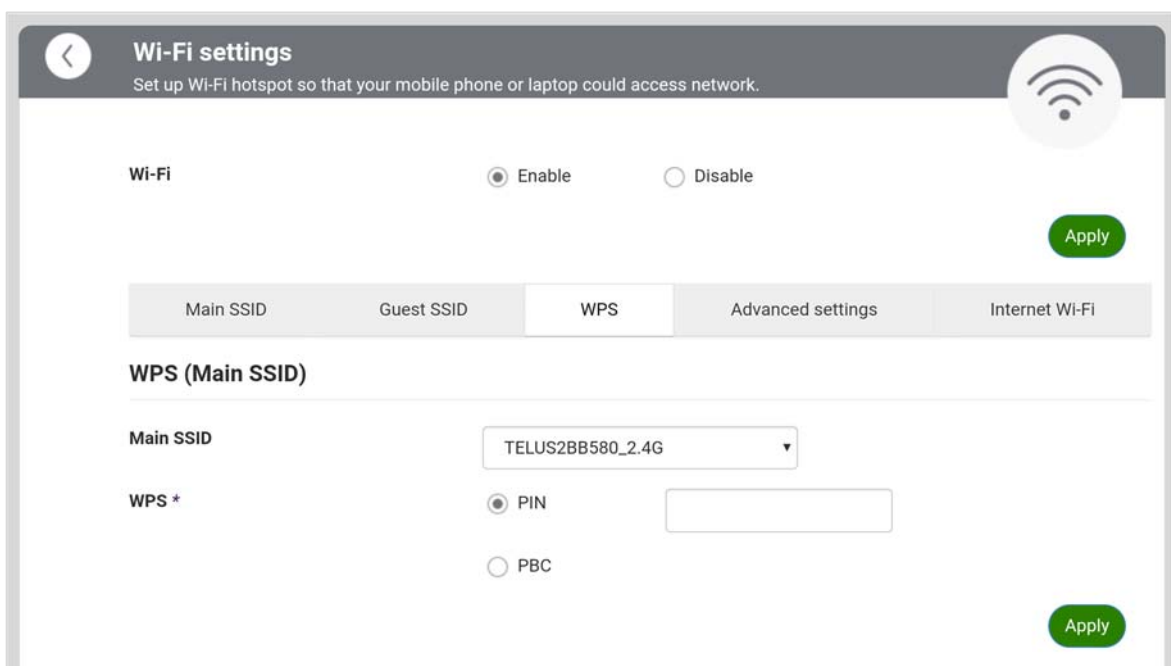
Option 2: 5G CPE web page

1. Visit the 5G CPE web page (see [Accessing the 5G CPE Web Page](#)).
2. Select **Set Wi-Fi > WPS**.
3. Select the main SSID for the Wi-Fi connection.

NOTE:

If the Guest SSID is enabled, you can also use it for WPS.

4. Select the WPS authentication method.
 - ▶ **PIN:** On the client, generate a PIN for WPS and enter here.
 - ▶ **PBC:** Start the Push Button Configuration (PBC).
5. Click **Apply**.

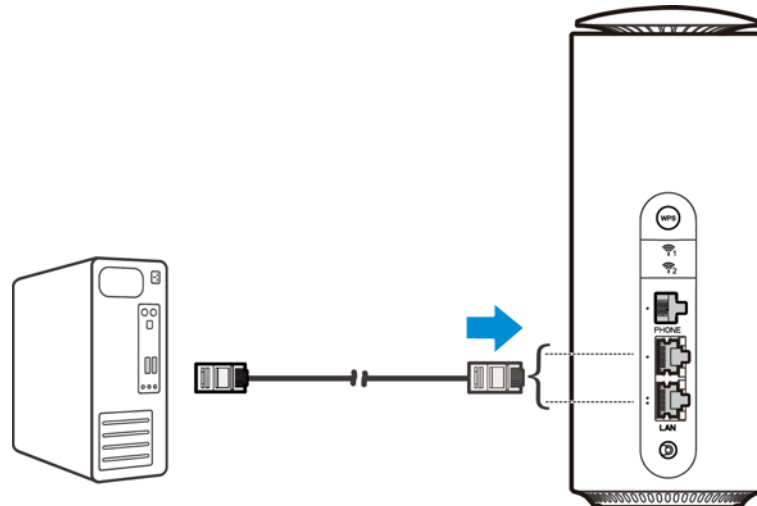


The screenshot shows the 'Wi-Fi settings' page. At the top, there is a back arrow and the title 'Wi-Fi settings' with a subtitle 'Set up Wi-Fi hotspot so that your mobile phone or laptop could access network.' and a Wi-Fi icon. Below this, the 'Wi-Fi' section has radio buttons for 'Enable' (selected) and 'Disable'. An 'Apply' button is on the right. A navigation bar contains 'Main SSID', 'Guest SSID', 'WPS' (selected), 'Advanced settings', and 'Internet Wi-Fi'. Under 'WPS (Main SSID)', there is a 'Main SSID' dropdown menu showing 'TELUS2BB580_2.4G'. The 'WPS *' section has radio buttons for 'PIN' (selected) and 'PBC'. An empty text input field is next to the 'PIN' option. An 'Apply' button is at the bottom right.

6. Follow the system prompts on your device to finish the setup.

Connecting via a Network Cable

Connect one of the LAN ports on the Smart Hub and the LAN port on your computer with a LAN cable.



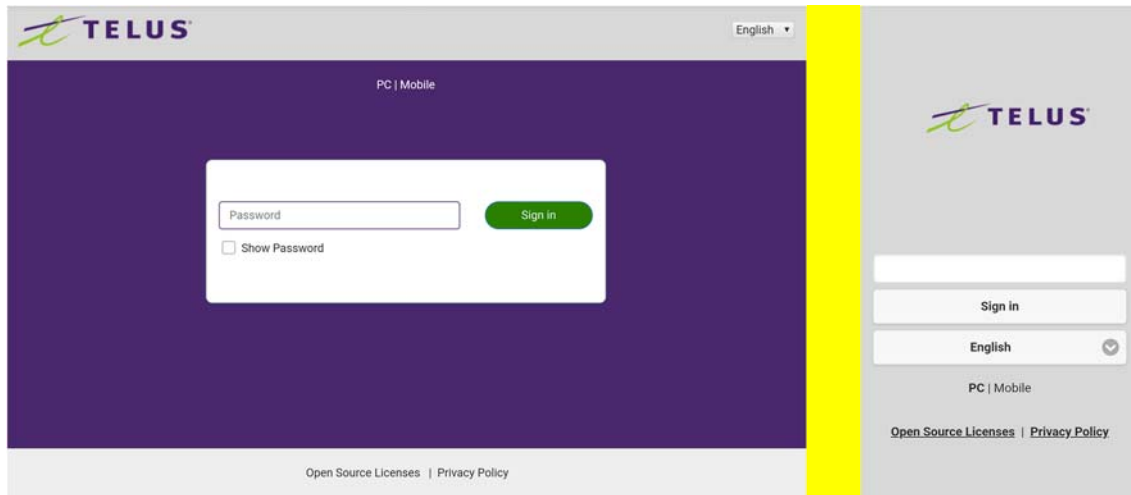
Accessing the 5G CPE Web Page

Visit the 5G CPE web page to configure the Smart Hub settings, such as work mode, passwords, Wi-Fi SSID.

1. View the sticker at the base of the Smart Hub to get the default URL to the web page and password.



2. Launch the Internet browser from a device connected to the Smart Hub and enter the URL in the address bar to load the log in page as below.



On computers

On mobile devices

 **NOTE:**

Select **PC** or **Mobile** to switch between computer interface and mobile device interface.

 **NOTE:**

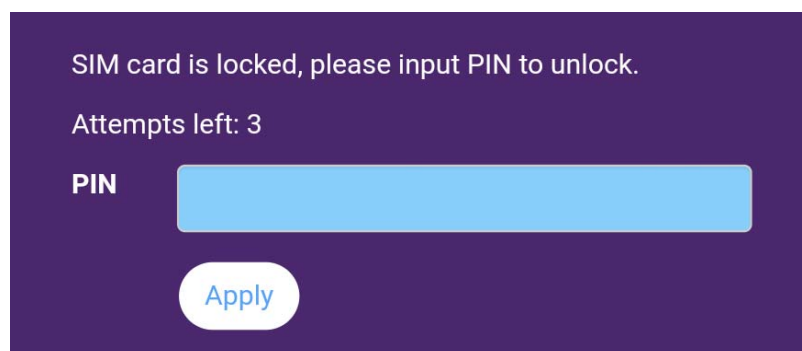
It is recommended that you use Internet Explorer[®], Firefox[®], Safari[®], or Google[™] Chrome[™].

3. Enter the password and select **Sign in**.

 **NOTE:**

As soon as you sign in to the 5G CPE web page, follow the prompts to change the default password. You can also click **Change sign-in password** on the home page (see [Navigating the 5G CPE Web Page](#)) to do so.

If the PIN code of your nano-SIM card is enabled, every time the Smart Hub restarts you will need to input the code and click **Apply** in order to connect to the Internet via the nano-SIM card.



 **NOTE:**

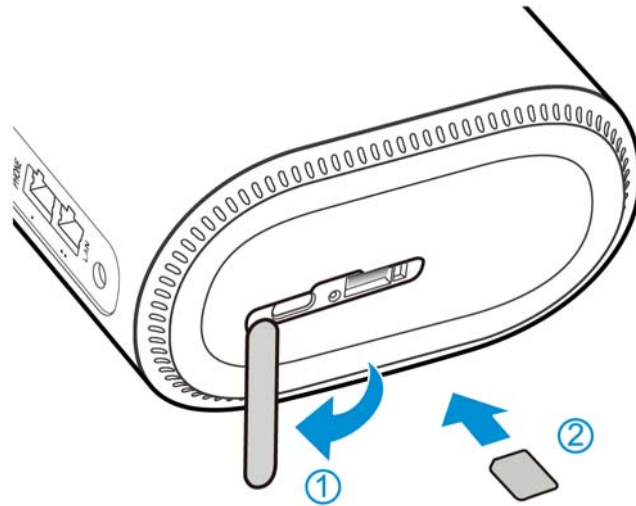
The nano-SIM card will be locked if you enter the wrong PIN code three consecutive times. Please contact your SIM card provider to get a PIN Unlock Key (PUK) to unlock the card.

Connecting to the Internet

Connecting to the Cellular Network

To access the Internet through the cellular network from the Smart Hub, you need to install a valid nano-SIM card first.

1. Turn the Smart Hub to get access to the base. Open the slot cover.
2. Insert the nano-SIM card as shown.



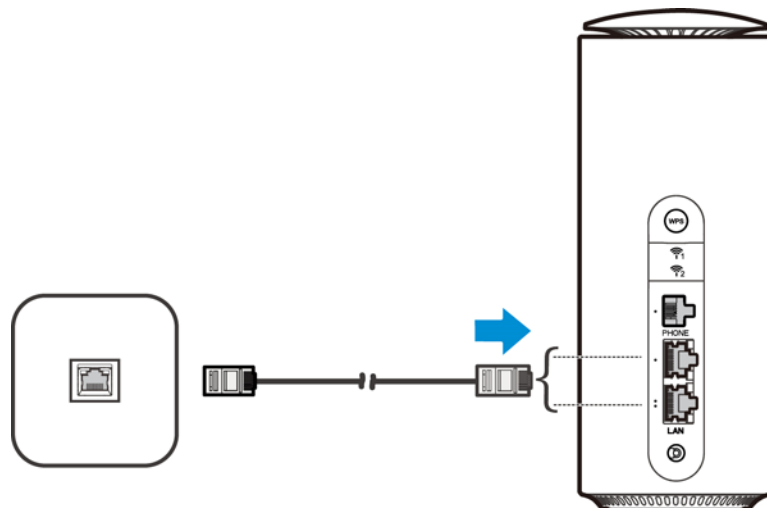
⚠ WARNING!

To avoid damage to the Smart Hub, do not use any other kind of SIM cards, or any non-standard nano-SIM card cut from a SIM card. You can get a standard nano-SIM card from your service provider.

Connecting to the Public Network (WAN)

Your device supports Cable broadband mode and you can use this mode to access the Internet.

1. Connect either of the two LAN ports and the broadband service network port with a network cable.



2. Log in to the 5G CPE web page (see [Accessing the 5G CPE Web Page](#)).
3. Change the operation mode to **Cable broadband mode** or **Auto** (see [Configuring the Work Modes](#)).
4. Go to the 5G CPE home page and select **Set internet** to choose the connection mode and enter the detailed parameters given by your service provider. Please refer to [Cable WAN Settings](#) for details.

5. Select **Connect** or **Apply**.

Connecting to Existing Wi-Fi Networks

Your Smart Hub supports the Internet Wi-Fi function and you can use this function to extend your existing Wi-Fi network.

NOTE:

Internet Wi-Fi is not available in Bridge mode.

1. Log in to the 5G CPE web page.
2. Select **Set Wi-Fi**.
3. If Wi-Fi is disabled, select **Enable**.
4. Select **Internet Wi-Fi > Enable > Apply**. The Wi-Fi of the Smart Hub will restart.
5. In the Wi-Fi settings screen, connect to the Wi-Fi network you want. The following two methods are for your reference.
 - ▶ Select **Scan** to search for Wi-Fi hotspots. Select a Wi-Fi hotspot listed and click **Connect**. Enter a password and click **Yes**.
 - ▶ Select **Add Network**, enter the Wi-Fi hotspot information in the Add Wi-Fi hotspot area, and click **Apply**.

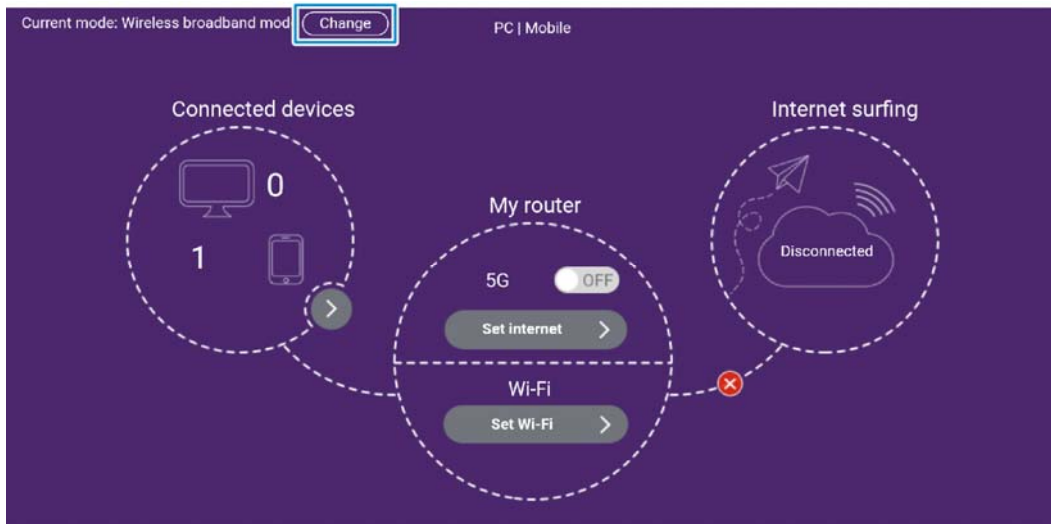
After the device is connected to the Wi-Fi hotspot successfully, you can access the Internet.

Configuring the Work Modes

1. Log in to the 5G CPE web page.
2. Select the **Change** button behind the current mode.

NOTE:

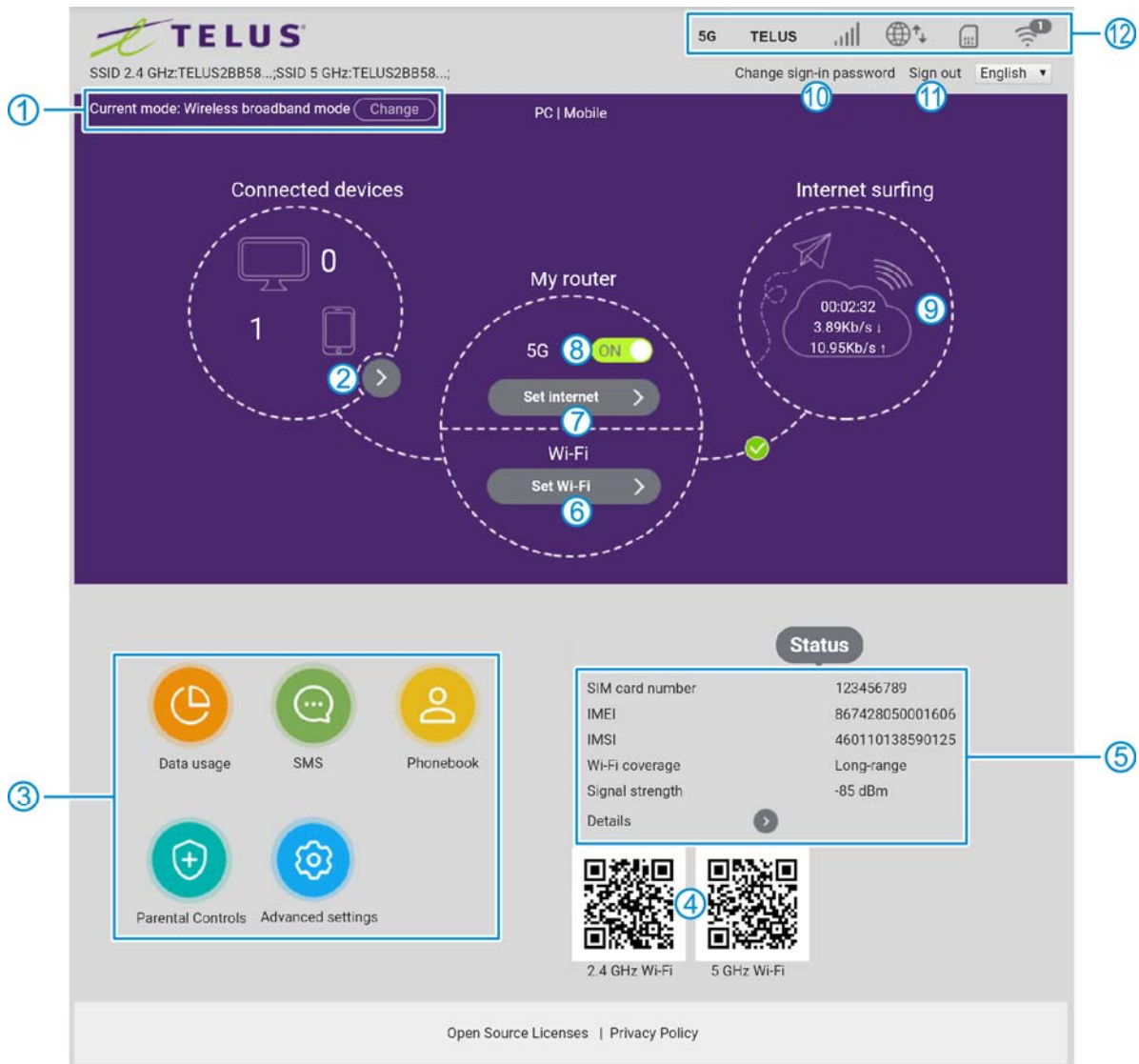
If the button is dimmed, disconnect the Smart Hub from the Internet first by clicking the Internet switch on the center of the web page (in wireless broadband mode) or by clicking **Set internet > Disconnect** (in cable broadband mode).



3. Select the operation mode you need (see [Getting to Know the Work Modes](#)). If prompted, select the correct LAN port for WAN or router.
4. Select **Apply** and wait for the Smart Hub to restart.

Navigating the 5G CPE Web Page



The 5G CPE home page looks like the following.



1	View and change work mode.
2	View connected clients and manage the list of blocked devices or allowed devices.
3	Access more features and settings.
4	Scan QR codes with your clients to connect to the Smart Hub via Wi-Fi.
5	Check device status.
6	Manage Wi-Fi settings.

7	Manage Internet connection settings.
8	Turn on/off cellular data connection.
9	View the Internet connection speed and time.
10	Change the login password to the 5G CPE web page.
11	Sign out of the 5G CPE web page.
12	View the status of the Smart Hub.

 **NOTE:**

In most 5G CPE web pages, you can click  to return to the previous page or click  to get more information on the current page.

Phonebook and Text Messaging

This function allows you to keep a phonebook on the Smart Hub or the nano-SIM card and send and receive text messages via the nano-SIM card.

NOTE:

Because this function needs cellular network connection, you cannot use it in cable broadband mode.

Managing the Phonebook

Click **Phonebook** on the 5G CPE home page to view, add, or delete contacts. You can also select some contacts to send a text message.

To view contact details:

On the Phonebook page, click a contact in the list to view details. **If a contact is saved to the device storage, details in addition to the name, mobile number, and group are not displayed in the contact list.**

To add a new contact:

1. Click **New**.
2. Select the storage location and enter the contact name and mobile number.

NOTE:

For contacts saved to the device storage, you can save more information such as home/office number, email, and group.

3. Click **Save**.

To delete a contact or contacts:

1. On the Phonebook page, click the checkboxes on the left of the contacts you want to delete.
2. Click **Delete > Yes**.

To edit a contact:

1. On the Phonebook page, click a contact in the list to view details.
2. Click **Edit** and change the contact information.
3. Click **Save**.

To send a text message:

1. On the Phonebook page, click the checkboxes on the left of the contacts you want to send the message to.

NOTE:

You can add 5 recipients at most for one message.

2. Click **Send SMS** above the contact list.
3. Enter the message text and click **Send**.

Managing Text Messages

Click **SMS** on the 5G CPE home page to view sent and received messages in dialogue format, delete or forward messages, or configure message settings.


To check your messages:

Click the menu on the top right of the message list and select **SMS on device** or **SMS on SIM card** to view messages stored on the device or the nano-SIM card.




Click a listing to view the dialogue you've had with a certain number/contact.

To delete a message:

1. Click a listing in the message list.
2. In the dialogue, click  below the message you want to delete.
3. Click **Yes**.

To forward a message:

1. Click a listing in the message list.
2. In the dialogue, click  below the message you want to forward.
3. Click the recipient box to enter contacts or recipient numbers.

NOTE:

You can add 5 recipients at most for one message.

4. If necessary, click the message box to edit the message text.
5. Click **Send**.

To configure message settings:

1. Click **Settings** above the message list.
2. Set validity and delivery report, or check the SMS center number.
 - ▶ **Validity:** Set the valid period for outgoing messages.
 - ▶ **SMS Center Number:** Display the SMS center number. Please contact your carrier for more information.
 - ▶ **Delivery report:** Request delivery reports for outgoing messages delivered to the recipients.
3. Click **Apply** to save the settings.

Managing Data Usage

When the Smart Hub is connected to the Internet via cellular (that is the Smart Hub is in Bridge mode or Wireless broadband mode), you can check and manage mobile data use and get data warnings.

1. Click **Data usage** on the 5G CPE home page.
2. Select **Enable** to the right of **Data management** to use the feature.
3. Set the following available options.
 - ▶ **Clear data:** When enabled, the Smart Hub will reset the used data to zero at the date of every month you set in **Clear date**.
 - ▶ **Data plan type:** Select the data plan type. You need to set the total amount of your data plan and the warning level (in percentage).
4. Click **Apply**.

The screenshot displays the 'Data management' settings interface. At the top, there is a back arrow, the title 'Data management', and a subtitle 'You can set your data plan and view data usage.' along with a settings gear icon. The main content area is titled 'Data settings' and features a progress bar showing 'Used: 31:21:58 / 800 hr' and '768:37:46 of remaining'. A note below the bar states '* Data usage is for reference only. For actual usage please contact your carrier.' Below this, there are several settings sections: 'Data management' with 'Enable' selected; 'Clear data' with 'Enable' selected; 'Clear date *' with a value of '1' and '(1-31)'; 'Data plan type' with 'Time' selected; 'Used time *' with a value of '31.35' and a unit of 'Hours'; and 'Time length *' with a value of '800' and a unit of 'hr', and a warning level of '80%' with the text 'When reached 80%, 640:00:00 to remind me.' An 'Apply' button is located at the bottom right.

NOTES:

- When the used data or time reaches your specified percentage, you can get a warning message on the 5G CPE web page.
- If the amount of used data/time differs from the carrier's accounting, you can manually calibrate the number in the **Data usage** or **Used time** box.
- The data usage is measured by your Smart Hub, and your carrier's data accounting may differ.

Access Controls


You can limit devices' access to the Smart Hub and the Internet via Wi-Fi by setting up parental controls, white list, or black list.

Limiting Wi-Fi Access With Parental Controls

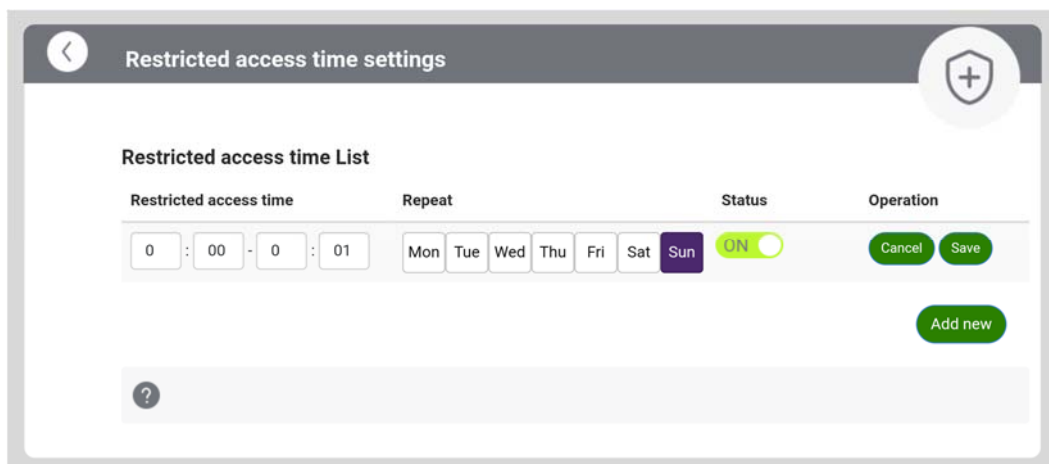
The Parental Controls feature allows parents to manage the kids' access time to the Smart Hub and the Internet via Wi-Fi.

1. Click **Parental Controls** on the 5G CPE home page.
2. Below the Current connected devices, click **Add** to mark the device as a kid's device. It will display in the Kids Devices list on the page.

NOTE:

If necessary, you can click  next to the device name (host name) to change it (e.g. Claire's laptop).

3. Click **Manage** next to the kid's device.
4. Enter the time period and days for restriction and click **Save**. You can click **Add new** to add up to 10 restrictions for every kid's device.



Limiting Wi-Fi Access With the White/Black Lists

Every Wi-Fi device has a unique MAC address, which the Smart Hub can identify. You can set a white list (Allowlist) or black list (Blocklist) on the Smart Hub to control Wi-Fi connection to it by filtering the MAC addresses.

1. Click the arrow on the **Connected devices** circle.



2. Select **Blocklist** or **Allowlist** for Wi-Fi MAC filtering and click **Apply**.

- ▶ With Blocklist turned on, devices in the Blocklist cannot connect to the Smart Hub over Wi-Fi.
- ▶ With the Allowlist turned on, only devices in the Allowlist can connect to the Smart Hub over Wi-Fi.

3. Manage the Blocklist or the Allowlist.


- ▶ When Blocklist is turned on, in the list of wireless access device, click **Block** next to the device you want to block. The device will be moved to the Blocklist. If you know the MAC address of the device, you can also click **Add new** to manually add the device to the Blocklist.
- ▶ When Allowlist is turned on, you need to click **Add new** to enter the MAC addresses for every allowed device.

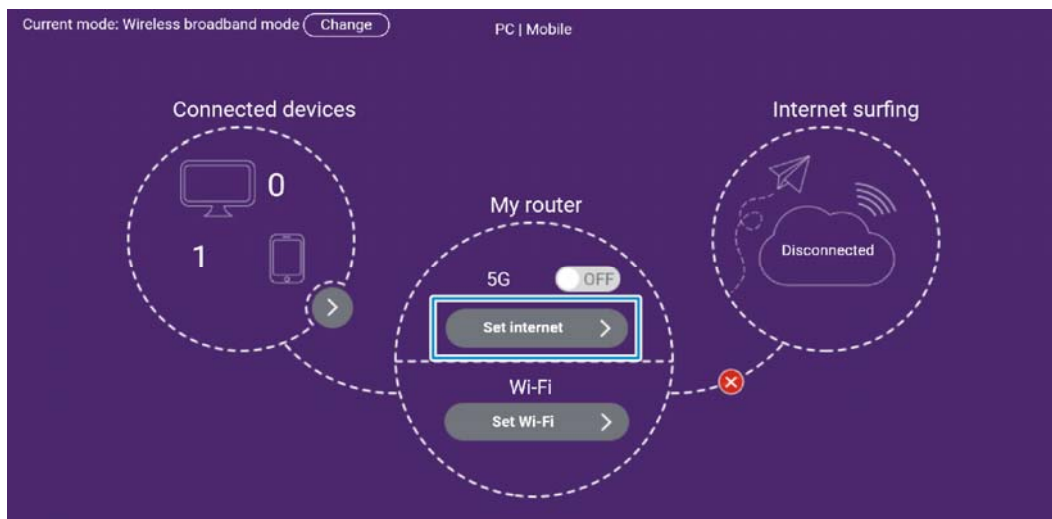
Click **Remove** to remove devices from the Blocklist or Allowlist.

Managing Settings

Cellular Settings

When the Smart Hub is connected to the Internet via cellular (that is the Smart Hub is in Bridge mode or Wireless broadband mode), you can manage options for your mobile network.

1. On the 5G CPE home page, turn off the mobile data switch  and click **Yes**.
2. Click **Set internet**.



3. Click **Connection mode**, **Network selection**, or **APN settings** to configure the settings.
 - ▶ **Connection mode:** Choose to connect to the mobile network automatically or manually every time the Smart Hub restarts. If you are connecting to a roaming network, you need to select the check box to connect to the Internet.
 - ▶ **NOTE:**
Data roaming may incur significant roaming charges.
 - ▶ **Network selection:** Select the preferred types of network you wish to connect to.
 - ▶ **APN settings:** Set the Access Point Name (APN). To add a new APN, select **Manual** for **Mode** and click **Add new**. Enter the parameters and click **Apply** to save. To change your APN, click the Profile box and choose a profile and click **Set as default**.

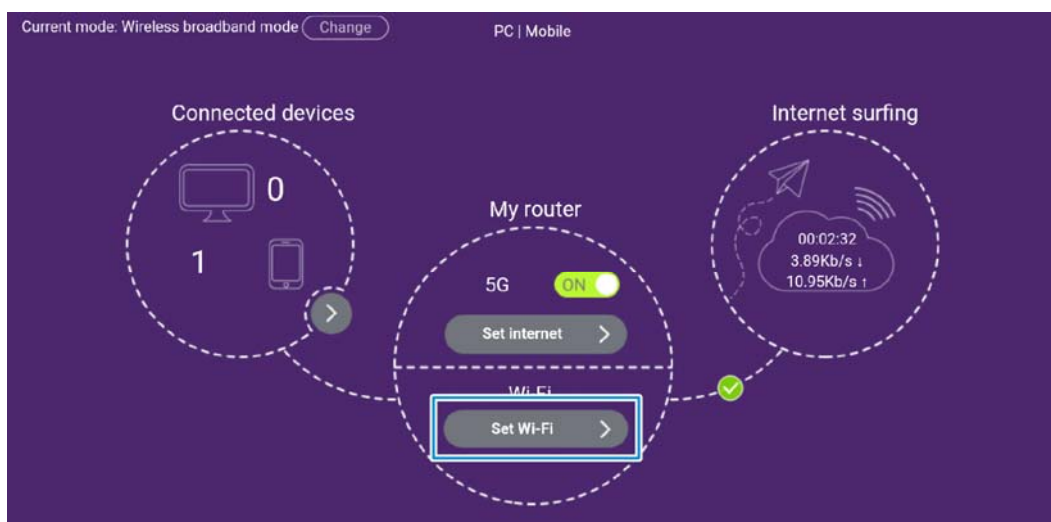
Cable WAN Settings

When the Smart Hub is connected to the public network through a WAN port in **Auto or Cable broadband mode** (see [Connecting to the Public Network \(WAN\)](#)), you need to set the parameters given by your service provider.

1. Go to the 5G CPE home page and select **Set internet**.
2. Click the Connection mode box to select **PPPoE**, **Static IP**, or **Dynamic IP** and set the relevant parameters.
 - ▶ **PPPoE**: For this connection mode, you need to enter the username and password given by the service provider. Select **Auto** or **Manual** for dial-up, depending on whether you want the Smart Hub to connect to the network automatically every time it restarts.
 - ▶ **Static IP**: For this connection mode, enter the IP address, subnet mask, default gateway, primary DNS, and secondary DNS given by your service provider.
 - ▶ **Dynamic IP**: Obtain dynamic IP address to access the Internet.
3. Click **Connect** or **Apply**.

Wi-Fi Settings

Click **Set Wi-Fi** on the 5G CPE home page to configure Wi-Fi settings.



Click the **Enable/Disable** to the right of **Wi-Fi** and click **Apply** to turn on or off Wi-Fi for your Smart Hub.

When Wi-Fi is enabled, click **Main SSID**, **Guest SSID**, **WPS**, **Advanced settings**, and **Internet Wi-Fi** to set each group of functions.

 **NOTE:**

Guest SSID and Internet Wi-Fi are two mutually exclusive features. Disable one if you want to use the other.

Managing Main SSID Settings

You can configure the basic settings for the Smart Hub Wi-Fi on the 2.4 GHz and the 5 GHz bands. Click **Apply** to save the settings.

- **Network name (SSID):** Set the Service Set Identifier (SSID) for the 2.4 GHz bands or the 5 GHz bands.
- **Broadcast network name (SSID):** Only when you check this option can new Wi-Fi clients find the network. If you want new clients to connect, you must enter the SSID and password manually.
- **Isolate all wireless devices:** When you check this option, clients connected to the Wi-Fi network cannot discover and communicate with each other via the network.
- **Security mode:** Set the security mode for authentication and encryption.

Mode	Description
OPEN	Authentication and encryption won't be performed. There are risks that private information will be intercepted or unauthorized individuals will use the network.
WPA2(AES)-PSK	A more secure version of WPA with implementation of the 802.11i standard.
WPA-PSK/WPA2-PSK	Apply both the WPA-PSK and WPA2-PSK schemes.

- **Password:** Set the Wi-Fi password when the security mode is not OPEN.

 **NOTE:**

Check the **Show password** box to view the password.

- **Sync basic settings to 5 GHz:** Sync the basic settings for 2.4 GHz Wi-

Fi to 5 GHz. The SSID for 5 GHz Wi-Fi will be the SSID for 2.4 GHz Wi-Fi with a “_5G” suffix.

 **NOTE:**

Scan the QR codes to connect to the 2.4 GHz or 5 GHz Wi-Fi.

Managing Guest SSID Settings

You can enable a guest SSID on the 2.4 GHz bands for temporary users to connect with limited time for access and restriction to the 5G CPE web pages.

Click the **Enable/Disable** to the right of **Guest SSID** and click **Apply** to turn on or off the guest Wi-Fi. The Wi-Fi of the Smart Hub will restart. Then configure the following options and click **Apply**.

 **NOTE:**

Disable Internet Wi-Fi before you enable Guest SSID.

- **Allow Guest SSID to access admin page:** Allow or forbid users connected to the guest SSID to access the 5G CPE web pages.
- **Network name (SSID):** Set the network name for the guest SSID.
- **Broadcast network name (SSID):** Only when you check this option can new Wi-Fi clients find the network. If you want new clients to connect, you must enter the SSID and password manually.
- **Isolate all wireless devices:** When you check this option, clients connected to the guest Wi-Fi network cannot discover and communicate with each other via the network.
- **Security mode:** Set the security mode for authentication and encryption.
- **Password:** Set the Wi-Fi password when the security mode is not OPEN.

 **NOTE:**

Check the **Show password** box to view the password.

- **Time limits for network access:** Select the upper time limit for all

clients connected to the guest SSID.

 **NOTE:**

Scan the QR codes to connect to the guest Wi-Fi.

Managing WPS Settings

Select the SSID and the authentication method for Wi-Fi Protected Setup (WPS). Click **Apply** to start the WPS process for the Smart Hub. See [Using the Wi-Fi Protected Setup \(WPS\)](#) for details.

Managing Advanced Wi-Fi Settings

Set the following options for Wi-Fi.

- **Country/Region code:** Select the country in which your device is located.
- **Max connections:** Set the maximum number of clients that can connect to the Smart Hub (regardless of bands and SSIDs) simultaneously.
- **Network mode:** Select the WLAN protocol. The recommended mode depends on the Wi-Fi band. When using the 2.4 GHz band, select 802.11 b/g/n. When using the 5 GHz band, select 802.11 a/n/ac.
- **Channel Bandwidth:** Select a bandwidth option if necessary (not recommended without prior experience).
- **Channel:** Select the channel (frequency) for your Wi-Fi networks. The recommended option is Auto, which will select the channel with the least potential interference.
- **Wi-Fi coverage:** Set the coverage of the Wi-Fi network. Larger range will consume more power.

Managing Internet Wi-Fi

You can use this function to extend your existing Wi-Fi network. See [Connecting to Existing Wi-Fi Networks](#) for details.

 **NOTE:**

Disable Guest SSID before you enable Internet Wi-Fi.

Advanced Settings

Click **Advanced settings** on the 5G CPE home page to configure the following options for your Smart Hub. Click **Apply** to save your settings.

- **Night mode:** You can turn on or off indicator lights or set Wi-Fi sleep schedule.

 **NOTE:**

Turning off indicator lights will not affect network connections. When the Smart Hub enters sleep mode, Wi-Fi will be turned off.

- **Router:** Set IP address, subnet mask, DHCP server parameters, MTU, MSS, and MAC-IP binding.
- **Firewall:** Set port filtering, port forwarding, URL filtering, UPnP, DMZ, and system security settings.
- **Update:** Check for system update or set auto-check (including auto-check while roaming) options.
- **Others:** Reset or restart the Smart Hub, set Simple Network Time Protocol (SNTP) for time synchronization and Daylight Saving Time, check network status, use diagnosis and network tools, set periodic restart options, and set L2TP and PPTP VPN parameters.

For Your Safety

Safety Precautions

- Some electronic devices may be susceptible to electromagnetic interference. Locate the device away from TV set, radio, and other electronic equipment to avoid electromagnetic interference.
- The device may interfere with medical devices like hearing aids and pacemakers. Consult a physician or the manufacturer of the medical device before using it.
- Please keep yourself at least 20 centimeters away from your device.
- Do not use your device in dangerous environments such as oil terminals or chemical factories where there are explosive gases or explosive products being processed.
- Please use original accessories or accessories that are authorized by ZTE. Unauthorized accessories may affect the device performance, damage the device or cause danger to you.
- Do not attempt to dismantle the device. There are no user-serviceable parts.
- Do not allow the device or accessories to come into contact with liquid or moisture at any time. Do not immerse the device in any liquid.
- Do not place objects on top of the device. This may lead to overheating of the device.
- The device must be placed in a well-ventilated environment for use.
- Do not expose the device to direct sunlight or store it in hot areas. High temperature can shorten the life of electronic devices.

- Do not allow children to play with the device or power adapter.
- The device is for indoor use only. Do not use the device outside.
- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

Cleaning and Maintenance

- Use an antistatic cloth to clean the device. Do not use chemical or abrasive cleanser as these could damage the plastic case. Turn off your device before you clean it.
- Use the device within the temperature range of $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$, and the storage temperature range is $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$. The humidity range is 5%~95%.
- Do not use your device during a thunderstorm. Remove the mains power pack from the wall socket.

Limited Warranty

- This warranty does not apply to defects or errors in the Product caused by:
 - i. Reasonable abrasion.
 - ii. End User's failure to follow ZTE's installation, operation or maintenance instructions or procedures.
 - iii. End User's mishandling, misuse, negligence, or improper installation, disassembly, storage, servicing or operation of the Product.
 - iv. Modifications or repairs not made by ZTE or a ZTE-certified individual.
 - v. Power failures, surges, fire, flood, accidents, actions of third parties or other events outside ZTE's reasonable control.

- vi. Usage of third-party products, or usage in conjunction with third-party products provided that such defects are due to the combined usage.
 - vii. Any other cause beyond the range of normal usage intended for the Product.
- End User shall have no right to reject or return the Product, or receive a refund for the Product from ZTE under the above-mentioned situations.
 - This warranty is End User's sole remedy and ZTE's sole liability for defective or nonconforming items, and is in lieu of all other warranties, expressed, implied or statutory, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, unless otherwise required under the mandatory provisions of the law.

Limitation of Liability

ZTE shall not be liable for any loss of profits or indirect, special, incidental or consequential damages resulting from or arising out of or in connection with using of this product, whether or not ZTE had been advised, knew or should have known of the possibility of such damages, including, but not limited to lost profits, interruption of business, cost of capital, cost of substitute facilities or product, or any downtime cost.

Radio Frequency (RF) Exposure

Your device contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your device, the system handling your connection controls the power level at which your device transmits.

Important safety information regarding radiofrequency radiation (RF) exposure. To ensure compliance with RF exposure guidelines the device must be used with a separation from the body. Failure to observe these instructions could result in your RF exposure exceeding the relevant guideline limits.

The transmitter is using external antenna that operate at 20cm or more from nearby persons.

The FCC grant can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: SRQ-MC8010CA.

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ CAUTION:

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC Notice

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types approved for use with the transmitter, indicating the maximum permission antenna gain (in dBi) and required impedance for each.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

IC: 5200E-MC8010CA

IC Radiation Exposure Statement

This device complies with IC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the IC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Cet appareil est conforme aux limites d'exposition aux rayonnements de la CNR-102 définies pour un environnement non contrôlé Afin d'éviter la possibilité de dépasser les limites d'exposition aux fréquences radio de la CNR-102, la proximité humaine à l'antenne ne doit pas être inférieure à 20 cm (8 pouces) pendant le fonctionnement normal.

Troubleshooting

Problem	Suggested Solution
I cannot access the Internet at all.	<ul style="list-style-type: none"> • Please check your configuration settings. • Please wait 1~2 minutes for the router to initialize. • Check your network indicators
The download or upload speed is very slow.	The speed is dependent on signal strength. Check your signal strength and network type.
I cannot visit the 5G CPE web page.	<ul style="list-style-type: none"> • Enter the correct IP address. You can check the label on the device to get the default address. • Only use one network adapter in your PC. • Do not use any proxy server.
I cannot establish the Wi-Fi connection between my device and the client.	<ul style="list-style-type: none"> • Make sure the Wi-Fi function is active. • Refresh network list and select the correct SSID. • Check the IP address to make sure your client can obtain an IP address automatically in the Internet protocol (TCP/IP) properties. • Type the correct network key (Wi-Fi password) when you connect to the device.
The signal indicator does not light.	<ul style="list-style-type: none"> • This indicates poor reception. Try moving the device to another location. See Best Placement in the Home. • If you can still connect to the Internet, you may
Problems with the passwords.	<ul style="list-style-type: none"> • For the default Wi-Fi password and the default password to the 5G CPE web page, please check the label on the device. • If you changed the passwords and forgot them, you need to restore the device to the factory default settings.