

TD0551 USER MANUAL

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Modification Record

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	V1.0			<NONE>	<NONE>
	V1.1				Add Quick Start Guide

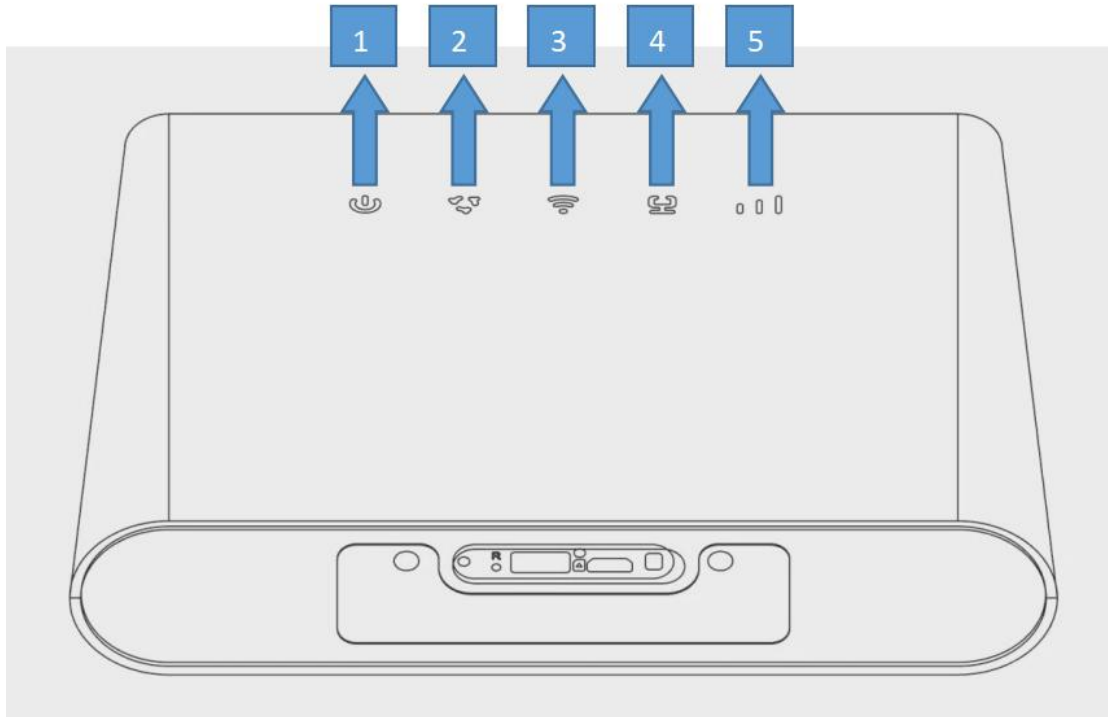
Note 1: this form is required to be filled in each time the archived documents are changed (refer to the documents filed in the product department or the company system).

Note 2: when the document is filed for the first time, write "None" in the column of "reason for change" and "main change content".

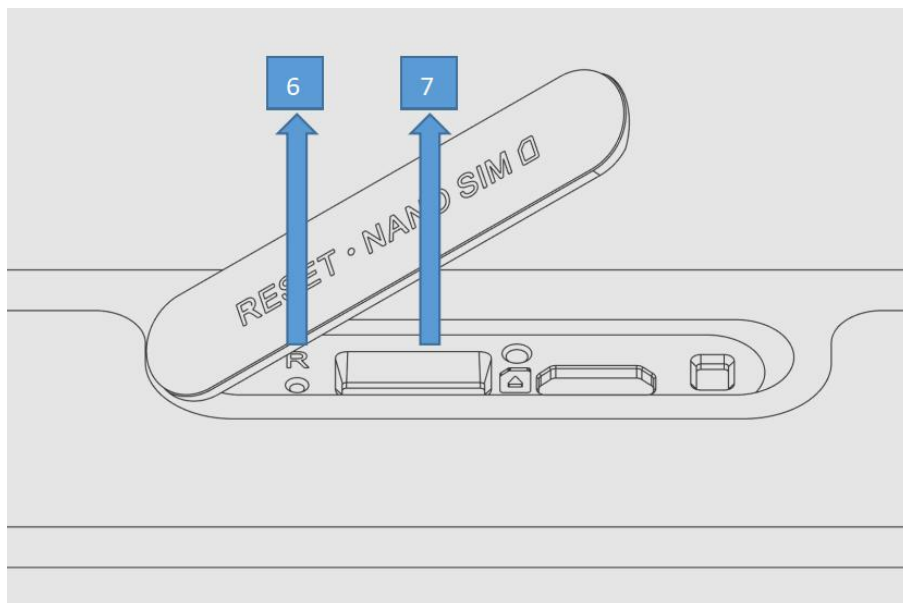
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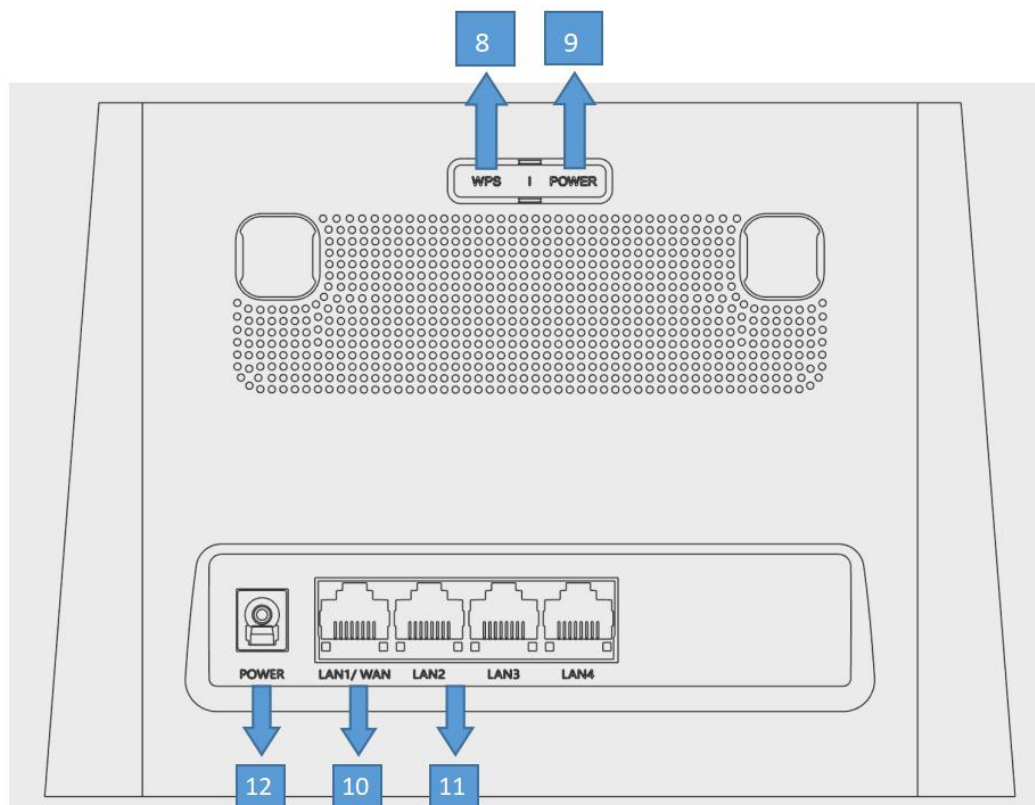
Chapter 1.Quick start guide



Front view



Bottom view



Rear view

1	Power indicator	<p>On: The device is powered on.</p> <p>Off: The device is powered off.</p>
2	Network indicator	<p>Blinking green: The device is registered to 3G network.</p> <p>Blinking blue: The device is registered to 4G network.</p> <p>Solid green: The device is connected to 3G network.</p> <p>Solid blue: The device is connected to 4G network.</p> <p>Solid red: Micro SIM card is not available or the device is not registered to the network.</p>
3	Wi-Fi/WPS indicator	<p>Blinking blue: WPS connection is available.</p> <p>Solid blue: Wi-Fi is enabled.</p> <p>Off: WiFi is disabled.</p>

4	LAN/WAN indicator	<p>On: the WAN or LAN port is connected.</p> <p>Off: the WAN or LAN port is not connected.</p>
5	Signal indicator	<p>1 bar: weak signal strength.</p> <p>2 bars: good signal strength.</p> <p>3 bars: excellent signal strength.</p> <p>Off: no signal.</p>
6	Reset button	Use a paperclip to press the button for 3 seconds to reset the device.
7	Nano SIM card slot	Insert a Nano SIM card in the slot.
8	WPS button	Press the button for 3 seconds to enable the WPS function. The WPS function will be automatically disabled if a WPS connection is not established within 2 minutes.
9	Power button	<p>Press for 3 seconds to power off your device.</p> <p>Press for 1 second to power on your device.</p>
10	LAN/WAN port	Used to connect to an internet source or wired devices such as computers or switches. LAN1/WAN.
11	LAN port	Used to connect to wired devices such as computers or switches. LAN2, LAN3, LAN4.
12	Power connector	Used to connect to the power adapter.

Chapter 2. Access the web UI

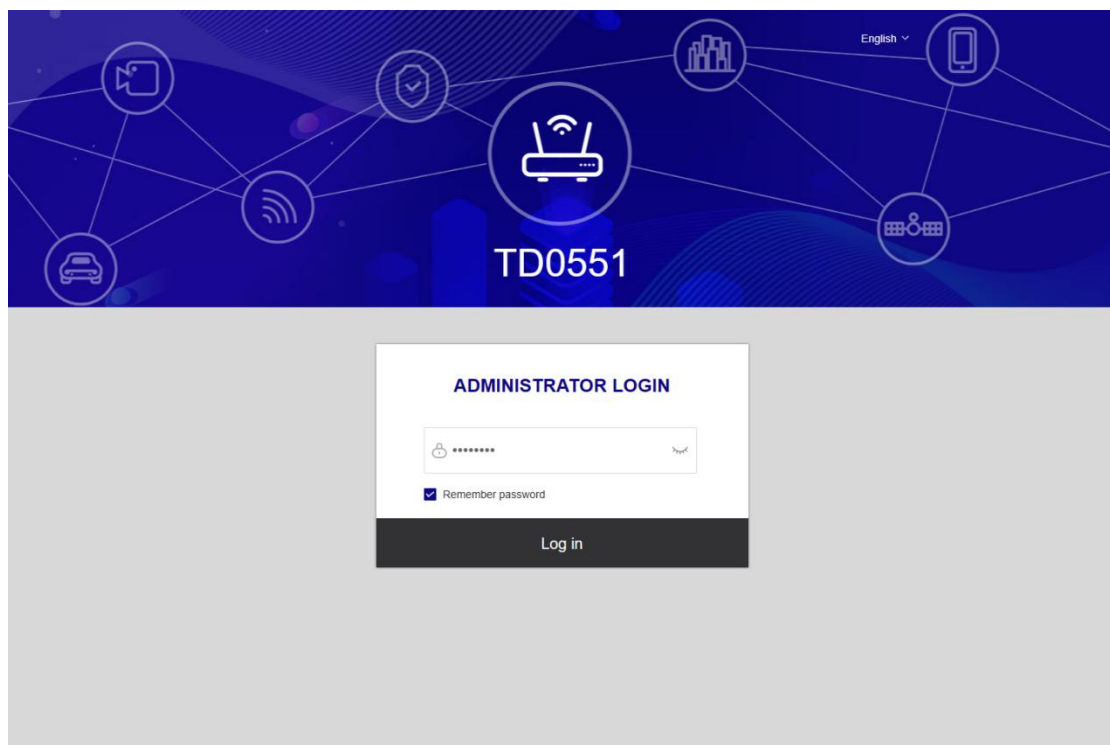
This chapter introduces how to get access to the web UI of your CPE, and gives you a glimpse of the web UI.

2.1 Log in to the web UI

To log in to the web UI, follow these steps:

1. Open a web browser on the device connected to the CPE network wiredly or wirelessly.
2. Go to the login website which can be found on the bottom label of your CPE and follow the on-screen instructions to finish the login process.

Note: For the default login information, refer to the bottom label of your CPE.













NOTE

- Click Language at the upper right of the screen to change the language setting.

2.2 Explore web UI features

Home page features

The web UI is mainly comprised of the following sections: Home, Status, Services, Settings, and System. Click on each section to display more information about your CPE. 10 Commonly-used status icons are displayed in the web UI, which give you information about your CPE.

	It is the network your CPE connects to. No Service will be displayed when there is no network available.
	The number of the signal bar indicates the signal strength. The more signal bars it shows, the stronger the signal is.
	The CPE connects to WAN network.
	The CPE disconnects from WAN network.
	New messages or unread messages.
	The SMS inbox is full.
	Wi-Fi is enabled.
	Wi-Fi is disabled.
	Click to log out of the web UI.
	Firmware update.

Chapter 3. Configure your CPE

In this chapter, we will show you how to get the most out of your CPE using the web UI. In the web UI, you can configure Wi-Fi settings, view connected devices, set up a guest network, and more.

3.1 Home

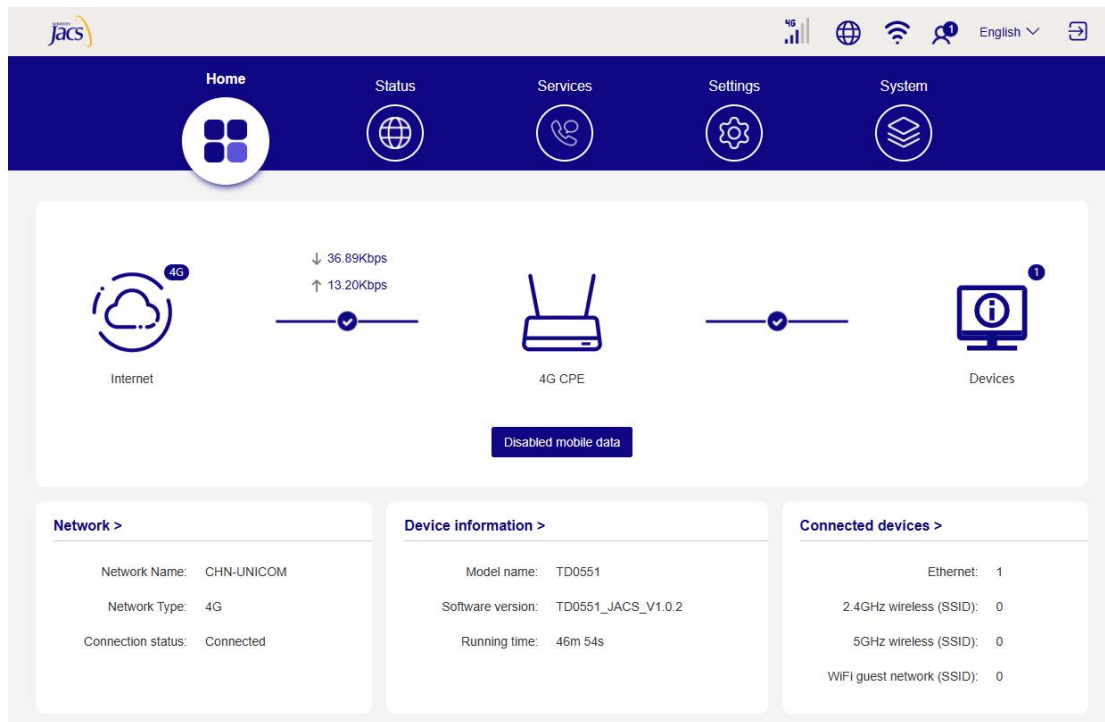
This section allows you to quickly check connection status, network information, device information, and connected devices.

Network overview

The network overview panel shows network connection status, download and upload speed, and the number of connected devices.

Click Disable mobile data to disconnect your CPE from the WAN network.

Click Enable mobile data to connect your CPE to the WAN network.



Network

The Network panel displays network name, network type, and network connection status. Click Network to access the internet setting page.

Device information

The Device information panel shows device model, software version, and running time. Click Device information to get more information on your device.

Connected devices

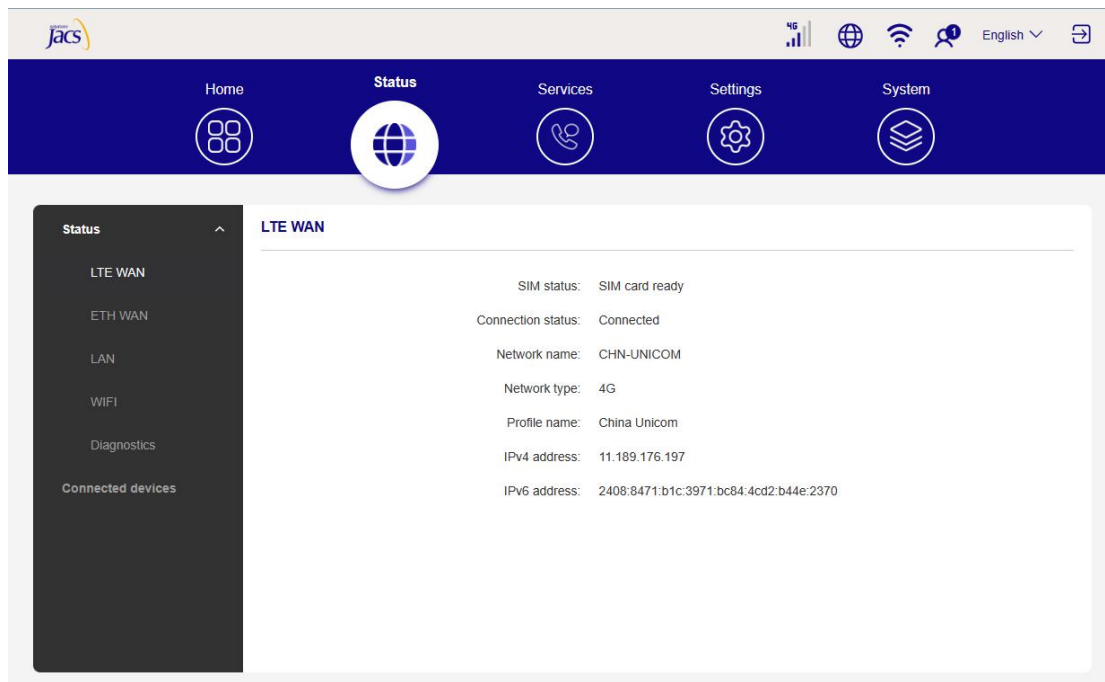
The Connected devices panel displays the number of devices connected to your CPE network wiredly and wirelessly. Click Connected devices to get more detailed information on the connected devices.

3.2 Status

This section allows you to view your network information, connection status, device information, and more.

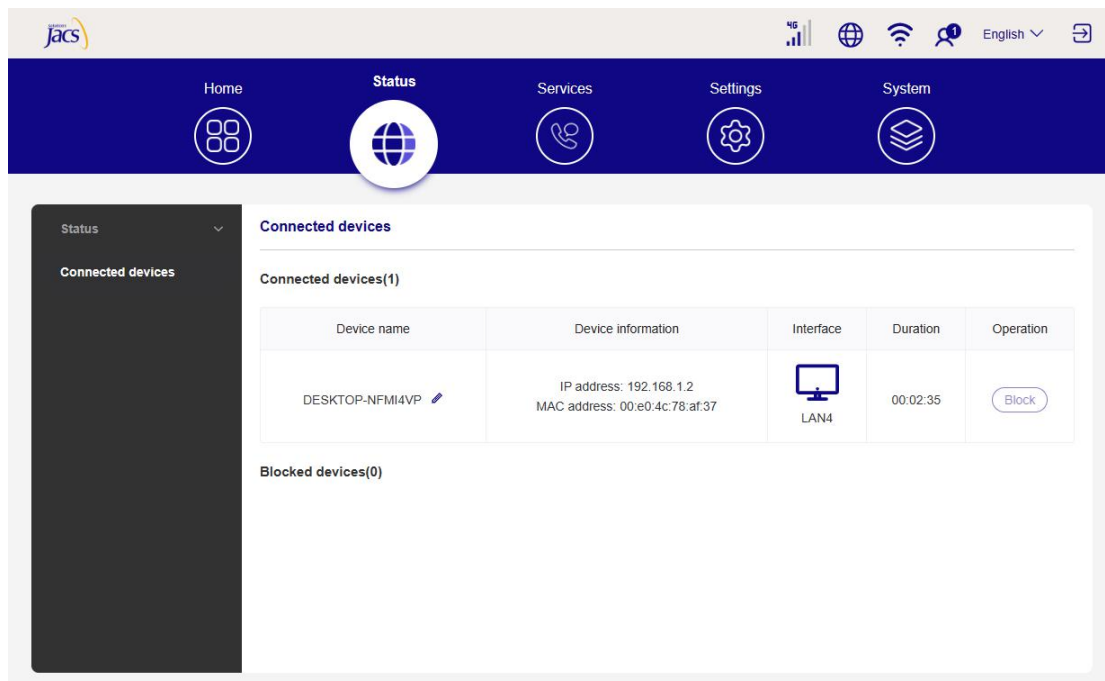
Status

You can have a quick check on your device information, such as cellular LTE WAN, ETH WAN, LAN, Wi-Fi, and Diagnostics.



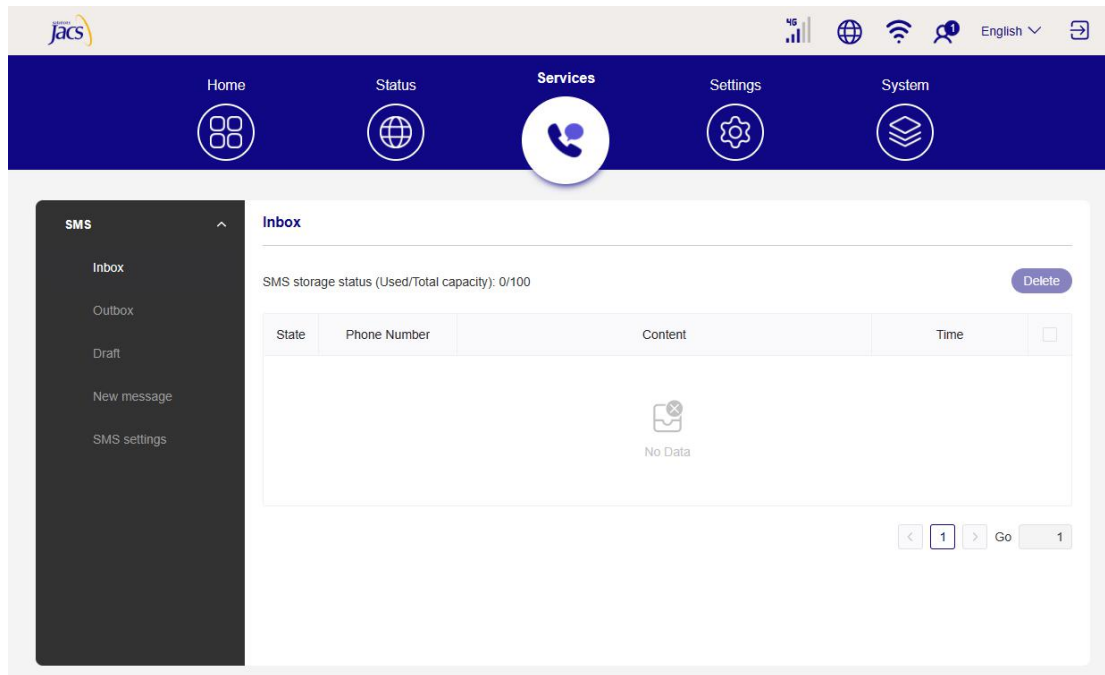
Connected devices

This tab allows you to edit the connected device name, and manage internet access for connected devices.



3.3 Services

Navigate to Services, and click the SMS tab to display the information you want or change SMS settings as desired.



Refer to the following table for the description of each folder under the SMS tab.

Inbox	Incoming messages are stored in this folder.
Outbox	Outgoing messages are stored in this folder.
Draft	Draft and unsent messages are stored in this folder.
New message	Write a new message in this folder.
SMS settings	Configure SMS settings in this folder.

Refer to the following table for commonly used operations of SMS messages.

Read a message	Click the message you want to read.
Send a message	<ol style="list-style-type: none"> 1. Click SMS > New message. 2. Input the recipient's number and message content. 3. Click Send. <p>NOTE: A message can be sent to up to five recipients simultaneously.</p>
Reply to a message	<ol style="list-style-type: none"> 1. Click the message you want to reply to. 2. Click Reply. 3. Input the message content, then click Send.
Delete a message	1. Locate the message you want to delete in the Inbox or

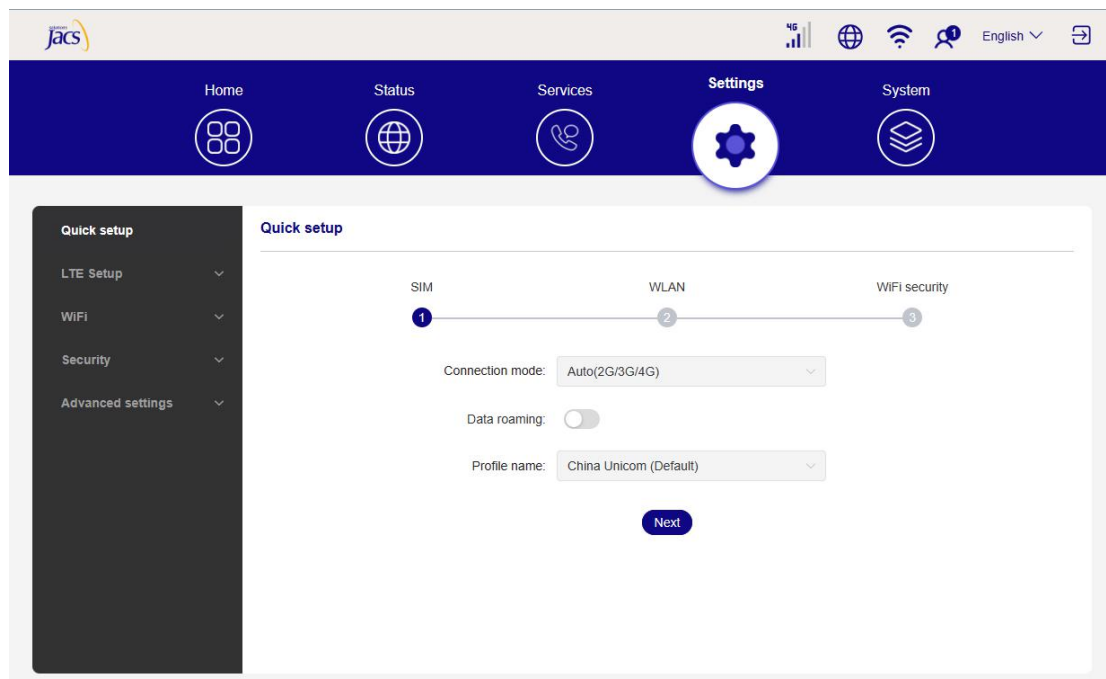
	Outbox folder. 2. Tick the checkbox beside the message you want to delete. 3. Click Delete.
Delete all messages	1. Click at the top of the checkbox column to select all messages. 2. Click Delete.
Forward all messages	1. Click SMS settings. 2. Enable SMS forwarding to mobile phone. 3. Input the recipient's number. 4. Click Apply.
Enable SMS delivery reports	Click SMS settings, then enable SMS report.
Disable SMS delivery reports	Click SMS settings, then disable SMS report.

3.4 Settings

This section allows you to prioritize the network connection, configure connection mode, manage WAN, LAN and Wi-Fi settings, and more.

Quick setup

In this tab, you can configure basic connection settings, enable or disable data roaming, enable or disable 2.4 GHz and 5 GHz network, change SSID and Wi-Fi password, and more.

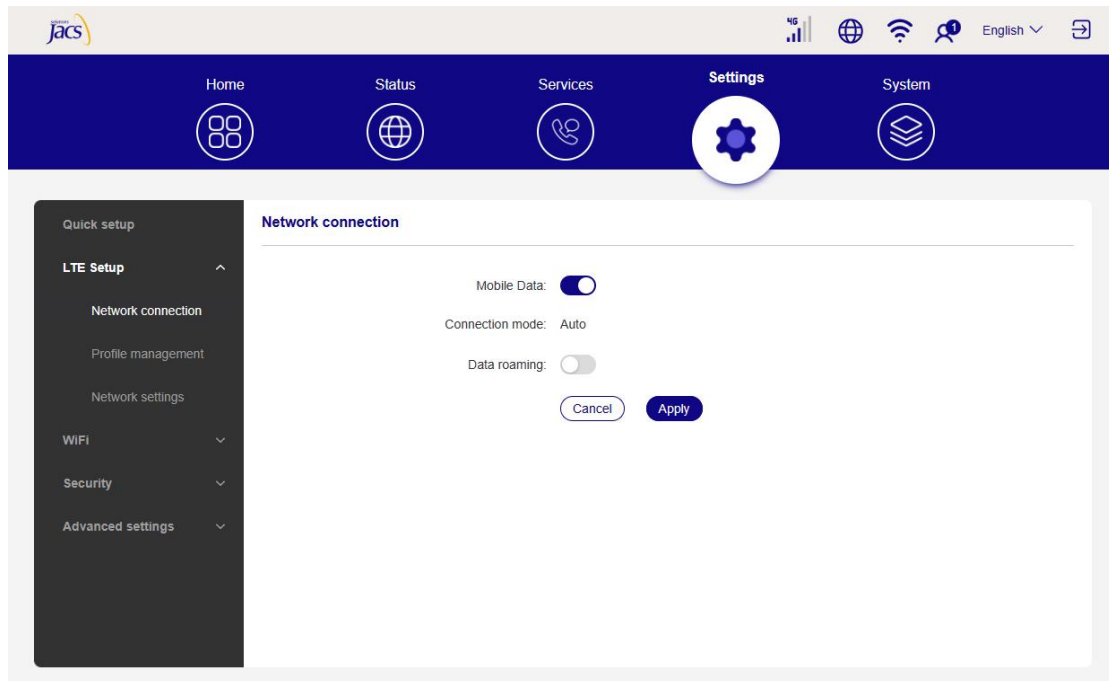


LTE Setup

Network connection

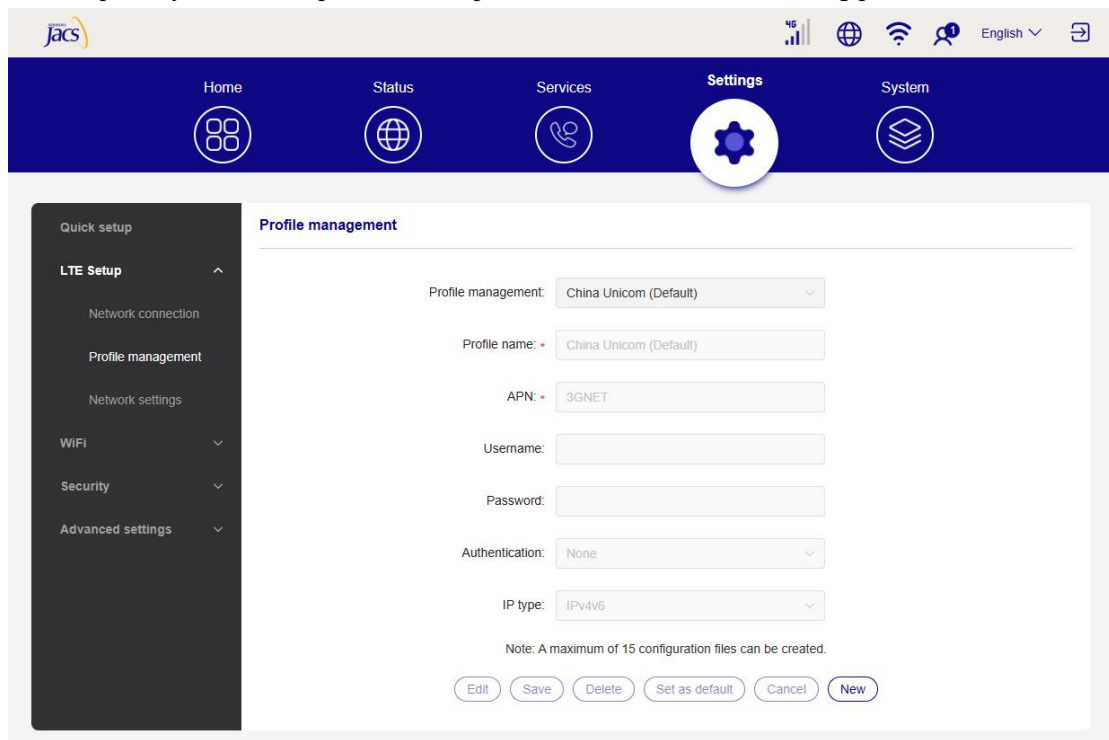
In this option, you can configure and manage connection mode, mobile data, and data

1. Optional, for the device with a telephone port only.
2. Roaming



Profile management

In this option, you can set up a new APN profile, and edit or delete existing profiles.



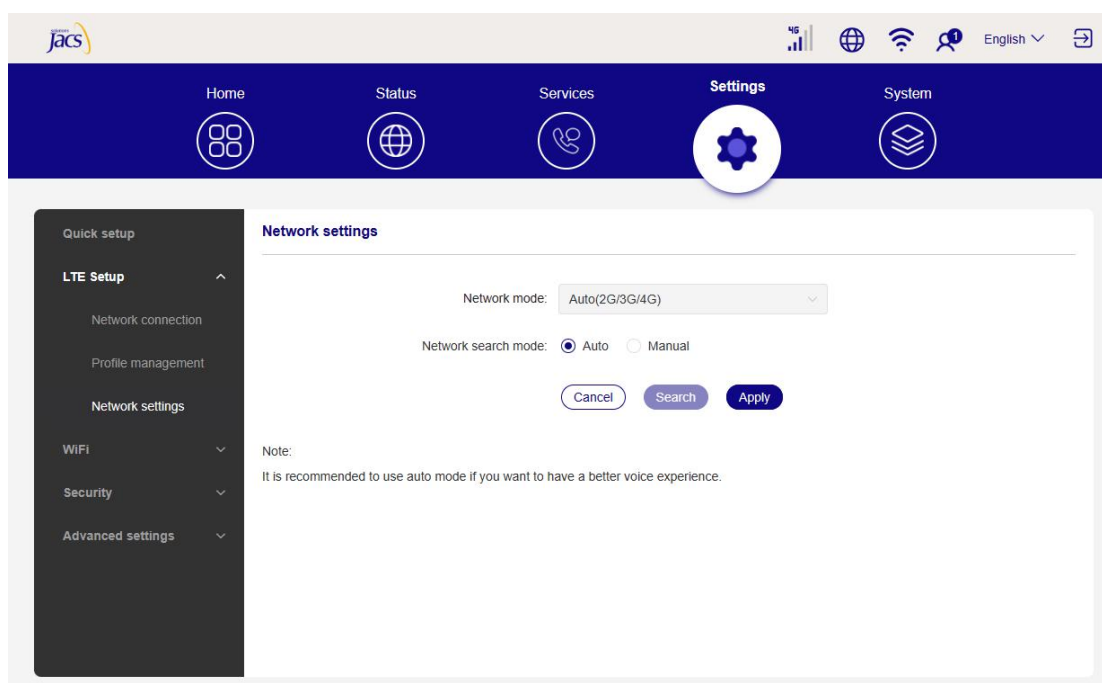
Add a new profile

1. Click New.
2. Input the correct parameters (like profile name, APN and IP

	<p>type) for your network operator.</p> <p>3. Click Save.</p>
Edit a profile	<p>1. Select the profile from the profile management list.</p> <p>2. Click Edit to set the parameters.</p> <p>3. Click Save.</p>
Delete a profile	<p>1. Select the profile from the profile management list.</p> <p>2. Click Delete.</p> <p>NOTE: The default profile cannot be deleted.</p>
Set as default	<p>1. Select the profile from the profile management list.</p> <p>2. Click Set as default.</p>

Network settings

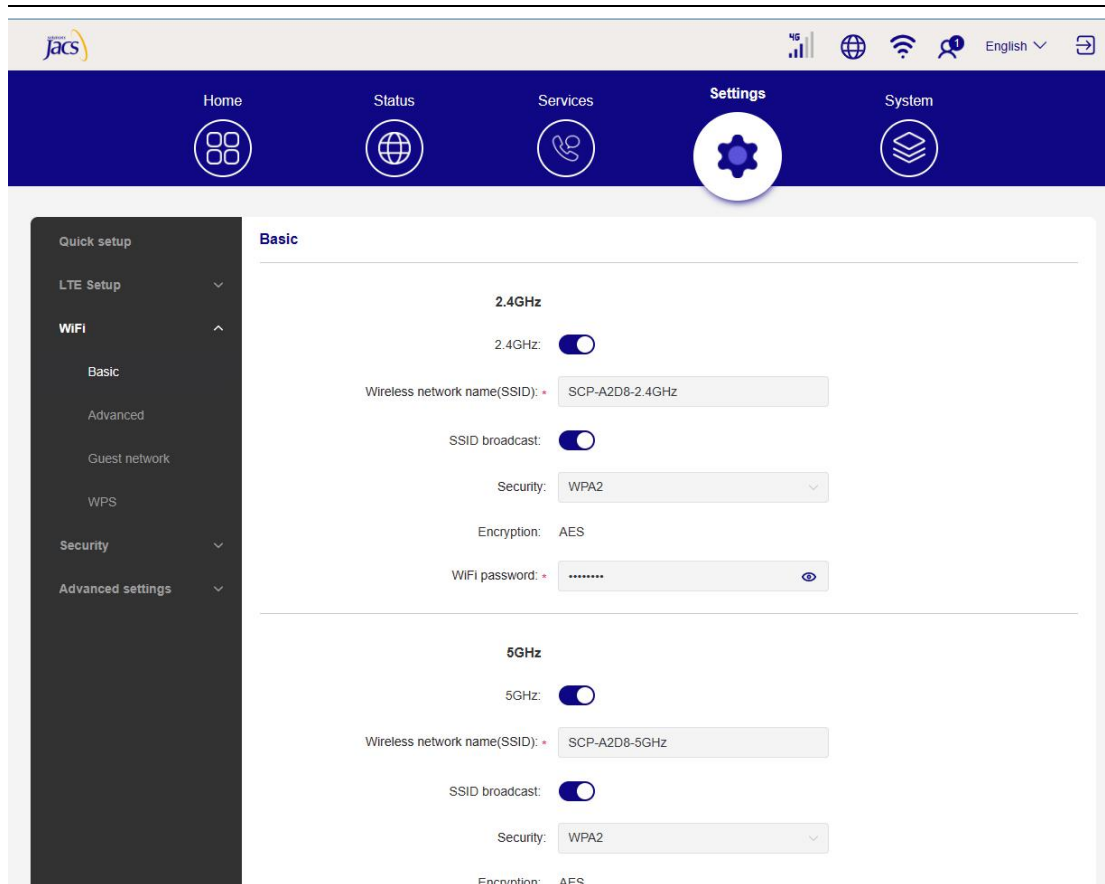
You can set the network search mode to Auto, 4G/LTE only, 3G only, 2G only, and change the network mode. Make sure you click Apply after making desired changes.



Wi-Fi

Basic

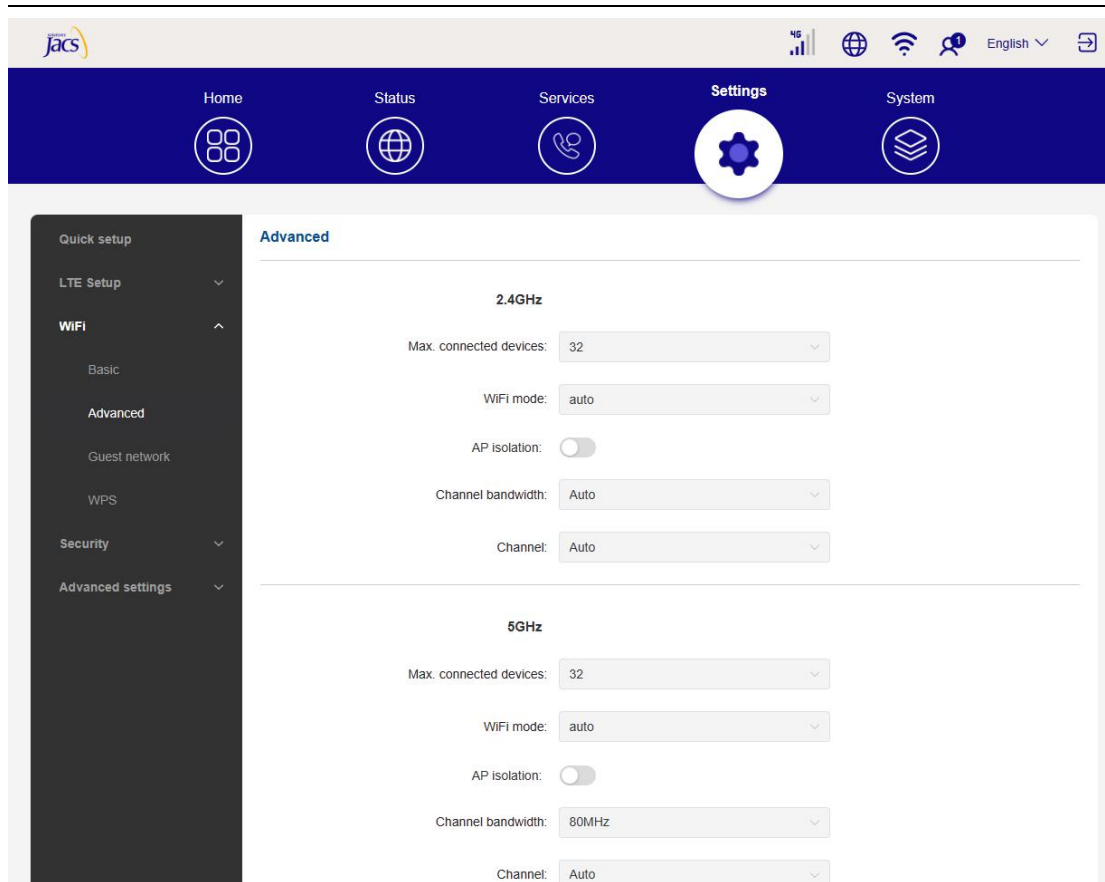
Configure basic Wi-Fi settings in this option.



SSID	SSID is the name of the Wi-Fi network.
SSID Broadcast	This function is enabled by default. When this function is disabled, other users cannot detect the SSID or the Wi-Fi name. They need to manually enter SSID to connect to your CPE network.
Security	The available security modes include Disable, WPA2, WPA/WPA2, WPA2/WPA3, WPA3.
Encryption	The available option is AES.
Wi-Fi Password	Check the Wi-Fi password in this item.

Advanced

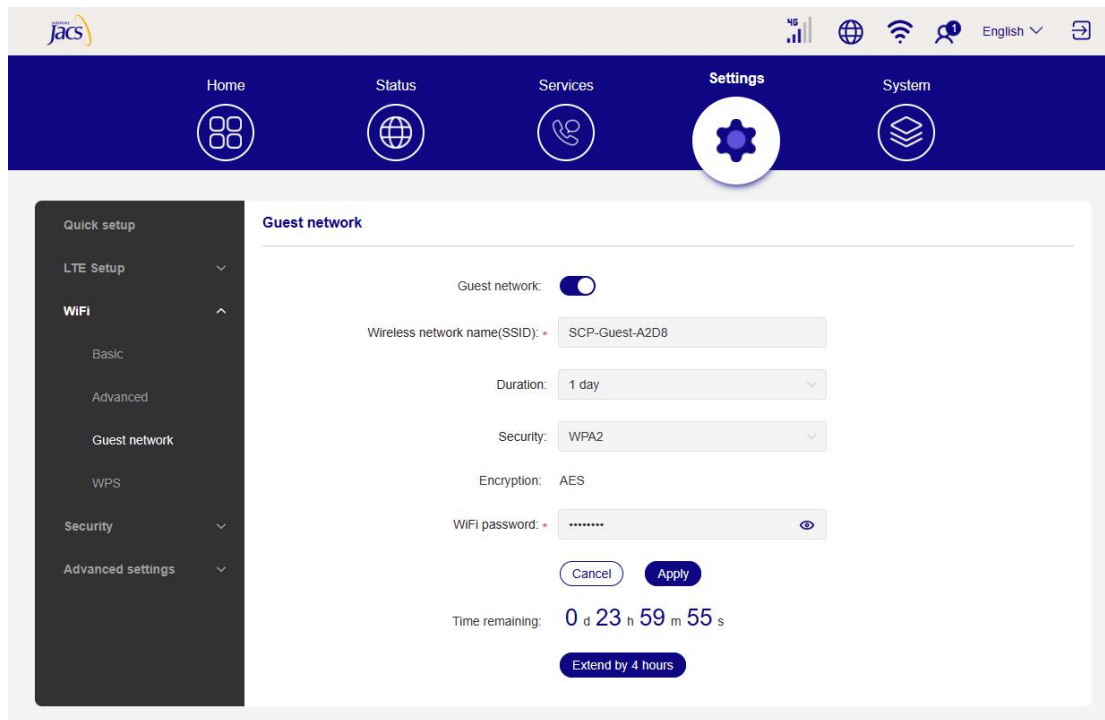
Configure advanced Wi-Fi settings in this option.



Max. connected devices	You can decide how many client devices can connect to your CPE network at a time.
Wi-Fi mode	The mode is set to Auto by default.
AP isolation	The AP isolation function enables you to create a separate virtual network for each wireless client that is connected to your CPE network. When this function is enabled, all wireless devices in the network will not be able to communicate with each other.
Channel bandwidth	Select the available options from the drop-down menu.
Channel	The channel default option is Auto. The CPE will select the best channel automatically.

Guest network

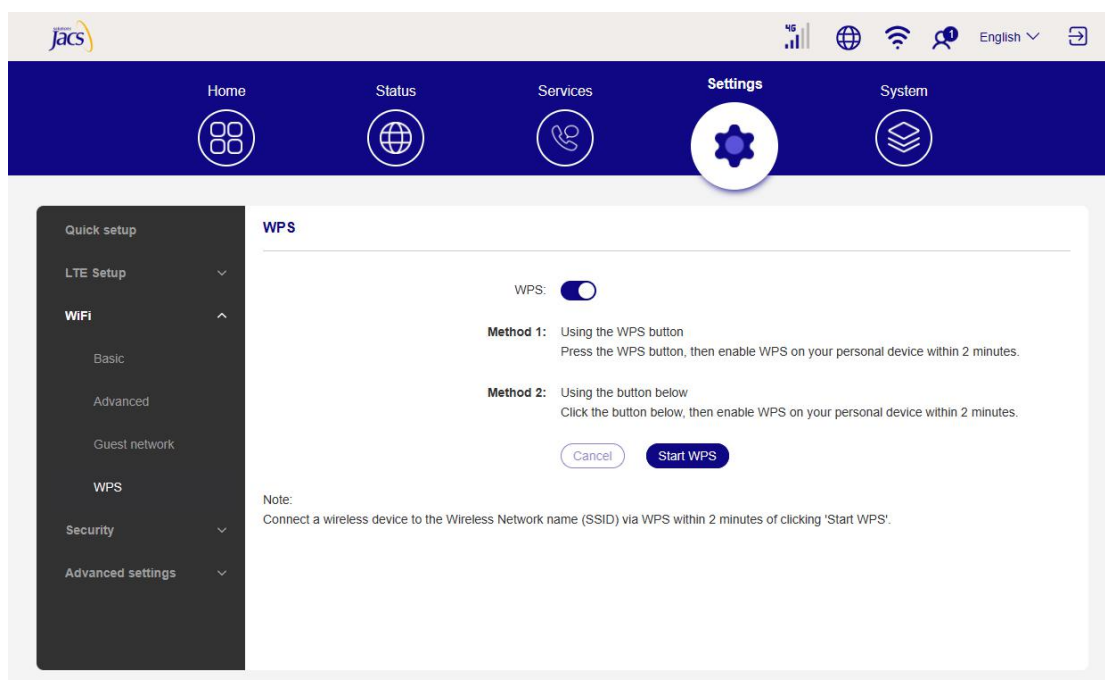
In this tab, you can enable or disable the Guest network feature, and configure guest network Wi-Fi name, Wi-Fi password, and validity duration. Devices connected to the guest network can access the internet, but cannot access the CPE web UI or the master network.



WPS

Wi-Fi Protected Setup (WPS) is a wireless network security standard that tries to make connections between your CPE and wireless devices faster and easier.

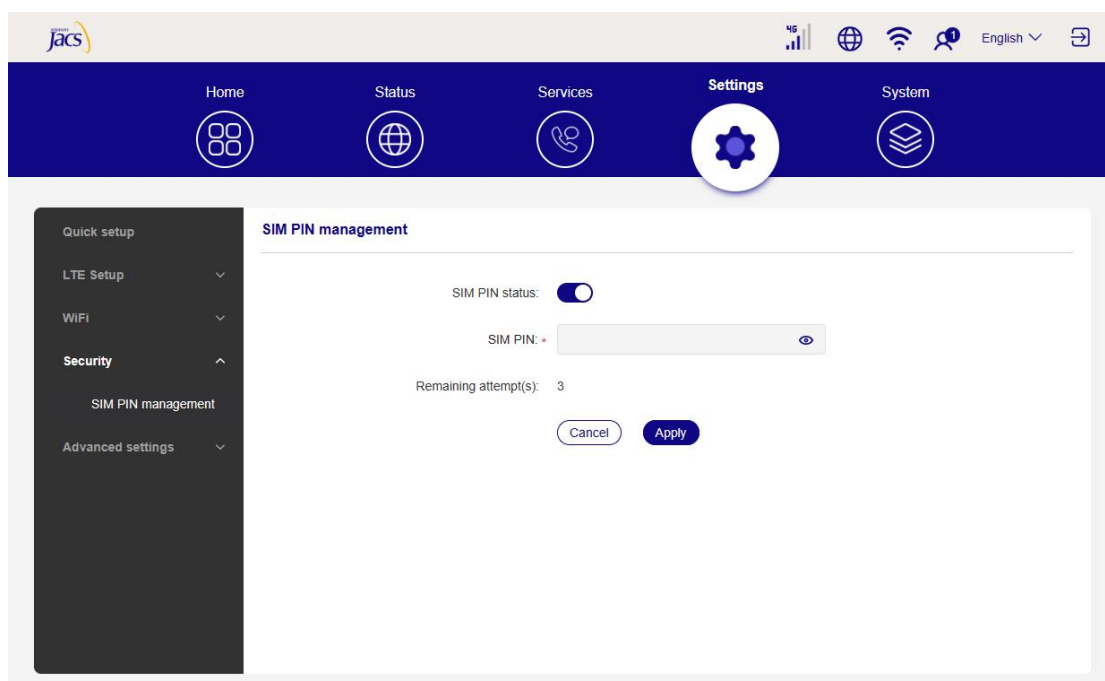
If your wireless device is WPS-supported, you can access the CPE Wi-Fi network through a WPS connection. Select one of the following options to make a WPS connection.





Option 1	<ol style="list-style-type: none"> 1. Press the WPS button on your CPE for 3 seconds. 2. Enable the WPS function of your wireless device within 2 minutes to make a WPS connection.
Option 2	<ol style="list-style-type: none"> 1. Log in to the web UI of your CPE, and go to Settings > Wi-Fi > WPS. 2. Click Start WPS. 3. Enable the WPS function of your wireless device within 2 minutes to make a WPS connection.

Security

SIM PIN management



Enable SIM PIN	<ol style="list-style-type: none"> 1. When the SIM PIN feature is disabled, click . 2. Set a SIM PIN code. 3. Click Apply.
Disable SIM PIN	<ol style="list-style-type: none"> 1. When the SIM PIN feature is enabled, click . 2. Enter the current SIM PIN code. 3. Click Apply.

Advanced settings

ETH WAN

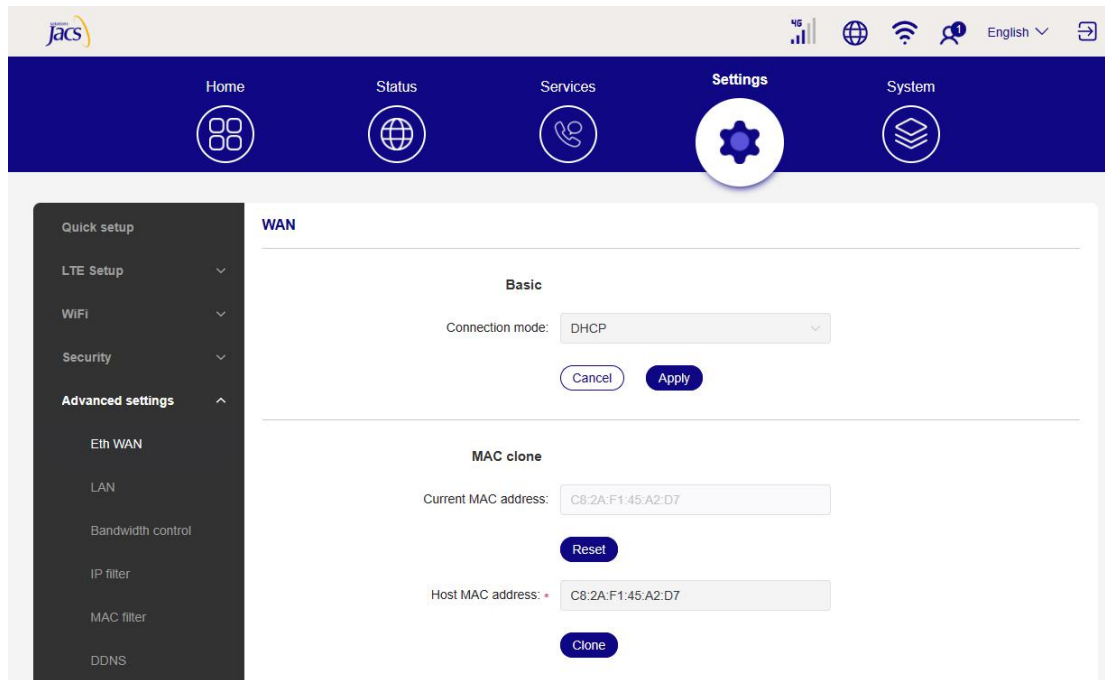
Basic

Set up the WAN connection mode and modify related parameters under this option. You can set the connection mode to DHCP, PPPoE or Static IP.

MAC clone

When the MAC clone function is enabled, multiple client devices can connect to the CPE and access the internet.

Your current MAC address is displayed in this option. Click Reset to set a new MAC address. Click Clone to copy your host MAC address.



DHCP	Dynamic Host Configuration Protocol (DHCP) is a client or server protocol that automatically provides you with an Internet Protocol (IP) host. The IP address and related configuration settings such as subnet mask and default gateway are all automatically assigned.
PPPoE	Point-to-Point Protocol over Ethernet (PPPoE) is a network protocol that is mainly used for DSL services whereby individual users connect to a modem using an Ethernet connection. Enter the username and password provided by your network service provider, and click Apply.
Static IP	Access the internet using a fixed IP address, subnet mask, gateway IP address and Primary DNS server. These information should be provided by your network service provider.

LAN

The default gateway address is 192.168.1.1, and the default subnet mask is 255.255.255.0.

With the DHCP server function enabled, IP addresses will be assigned automatically to client devices in the network. If the DHCP server function is disabled, the CPE will not assign IP addresses to the connected client devices. The IP address must be entered on each client device.

Quick setup

- LTE Setup
- WiFi
- Security
- Advanced settings**
 - Eth WAN
 - LAN**
 - Bandwidth control
 - IP filter
 - MAC filter

DHCP

DHCP server: ☒

Gateway address: 192.168.1.1

Subnet mask: 255.255.255.0

Start IP address: 192.168.1.2

End IP address: 192.168.1.253

DHCP lease time: 24 hours

Bandwidth Control

This feature allows you to view information about online devices, and set upload limits or download limits for devices if needed.

Quick setup

- LTE Setup
- WiFi
- Security
- Advanced settings**
 - Eth WAN
 - LAN
 - Bandwidth control**
 - IP filter
 - MAC filter
 - DDNS

Bandwidth control

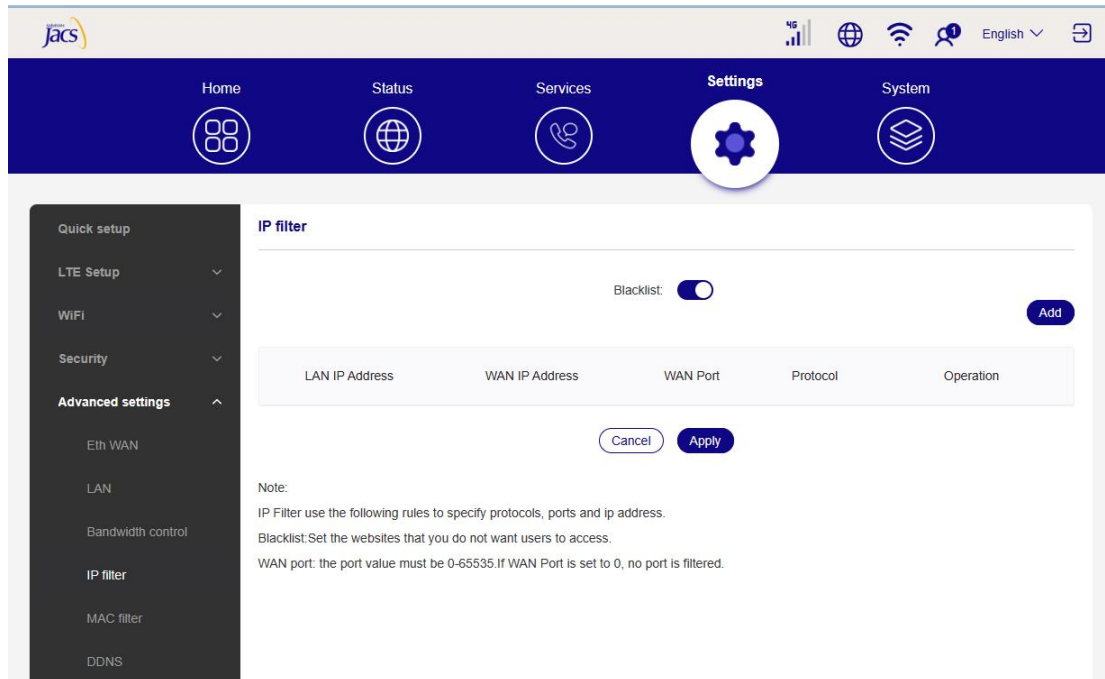
Bandwidth control: ☒

Device name	Device information	Downlink bandwidth limit	Uplink bandwidth limit
DESKTOP-NFMI4VP	IP address: 192.168.1.2 MAc address: 00:e0:4c:78:af:37	0 Mbps	0 Mbps

Note: Set the bandwidth limit to 0 to allow the maximum available bandwidth.

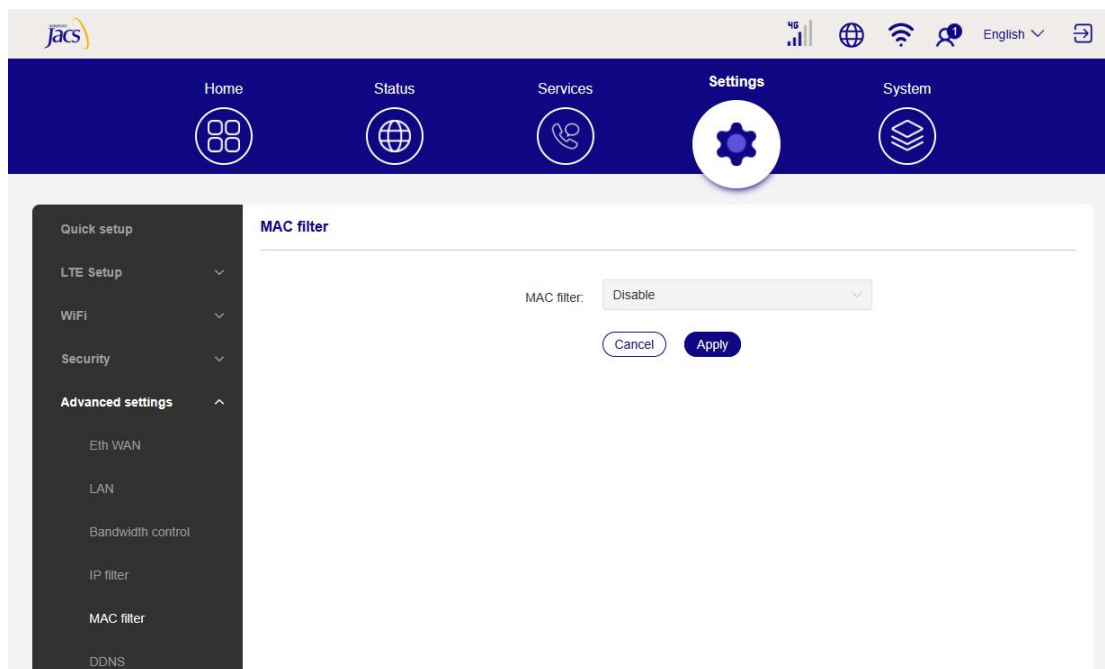
IP filter

By default, any device connected to your CPE network is allowed to access the internet. Specify which device cannot access the internet by adding the device to the blacklist.



MAC filter

By default, any device connected to your CPE network is allowed to access the internet. You can specify which device can or cannot access the internet by adding the device to the blacklist or whitelist.



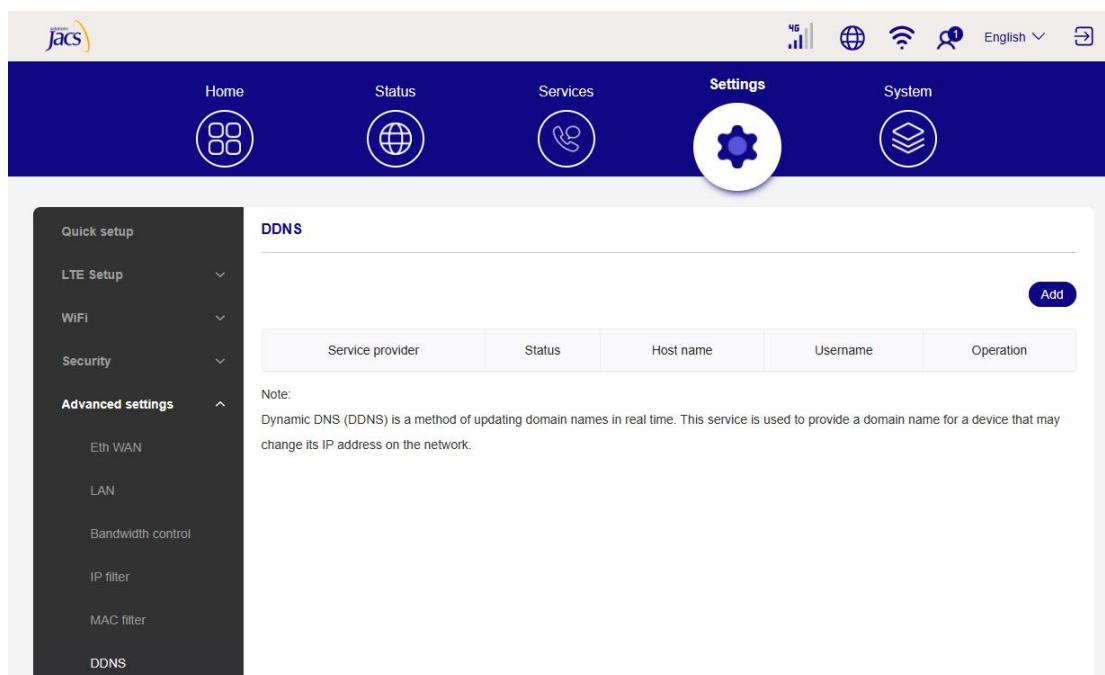
Disable	All connected devices can access the internet.
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Whitelist	Only devices with a MAC address in this list can access the internet.
Blacklist	Devices with a MAC address in this list cannot access the internet.

DDNS

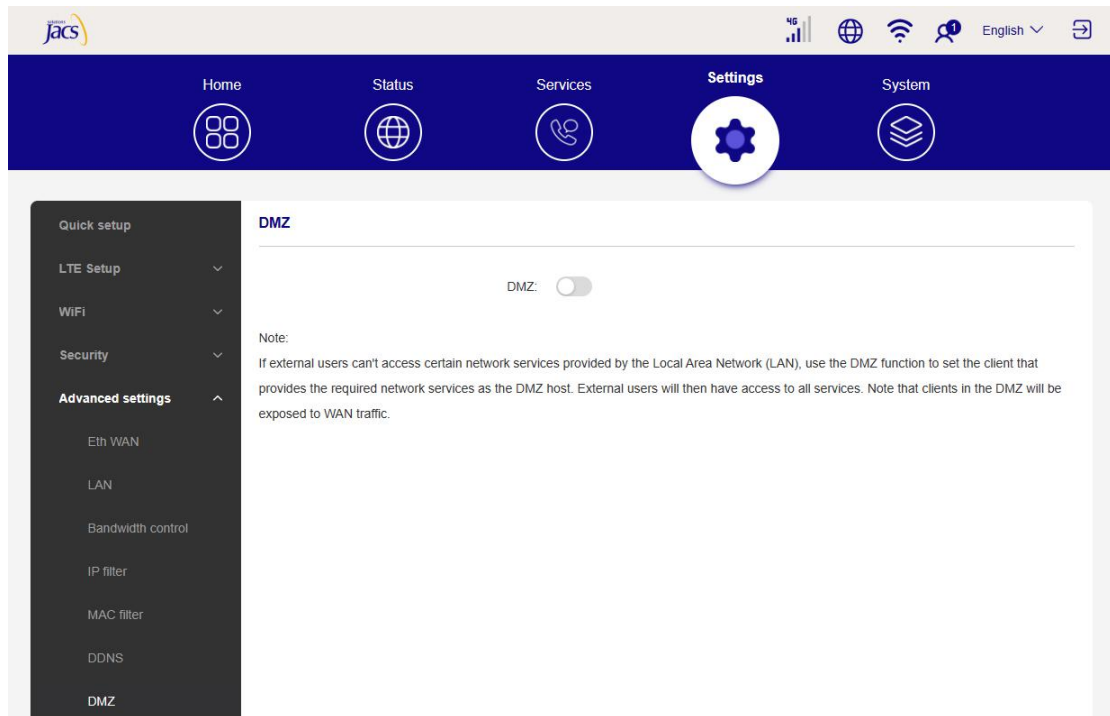
WAN IP address is needed when some functions of your CPE are enabled. If the WAN IP address of your CPE changes, these functions may not work properly.

The Dynamic Domain Name Server (DDNS) function allows you to map a dynamic WAN IP address (public IP address) to a static domain name, helping internet users (WAN side) access the CPE network by static domain name.



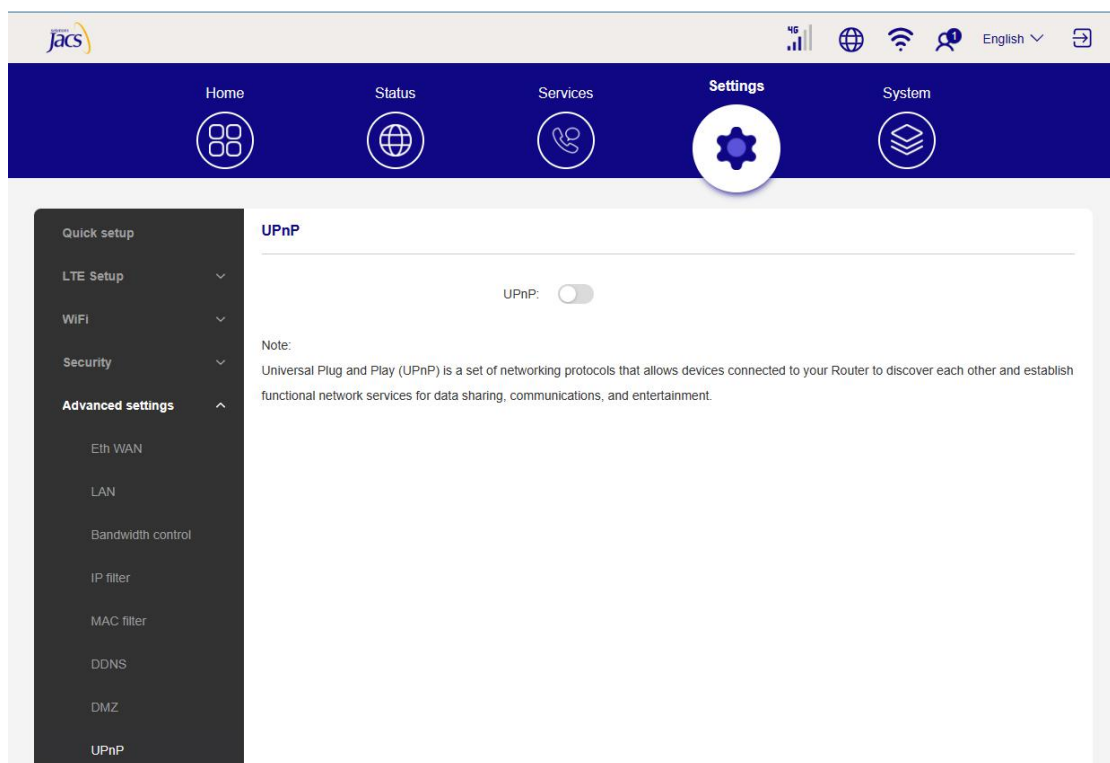
DMZ

If external users cannot access certain network services within the LAN, you can enable the DMZ function and set a new host IP address.



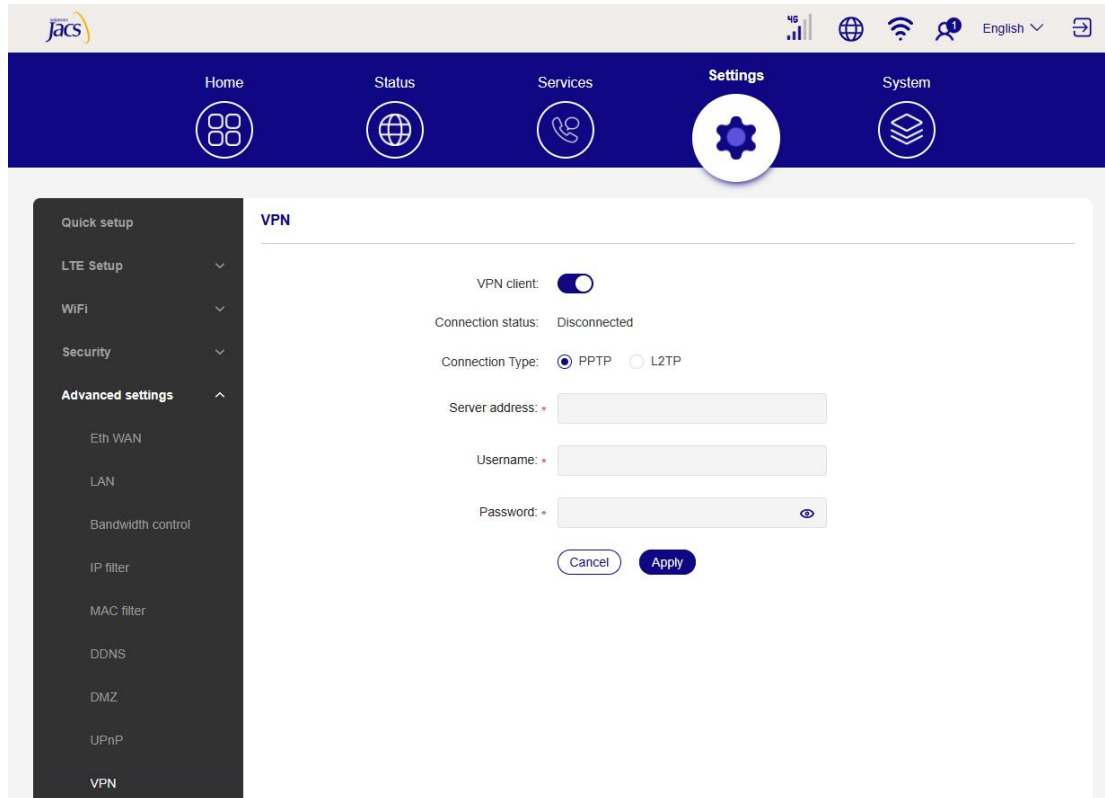
UPnP

Universal Plug and Play (UPnP) is a set of networking protocols that allows connected devices to discover each other and establish functional network services for data sharing, communications, and entertainment.



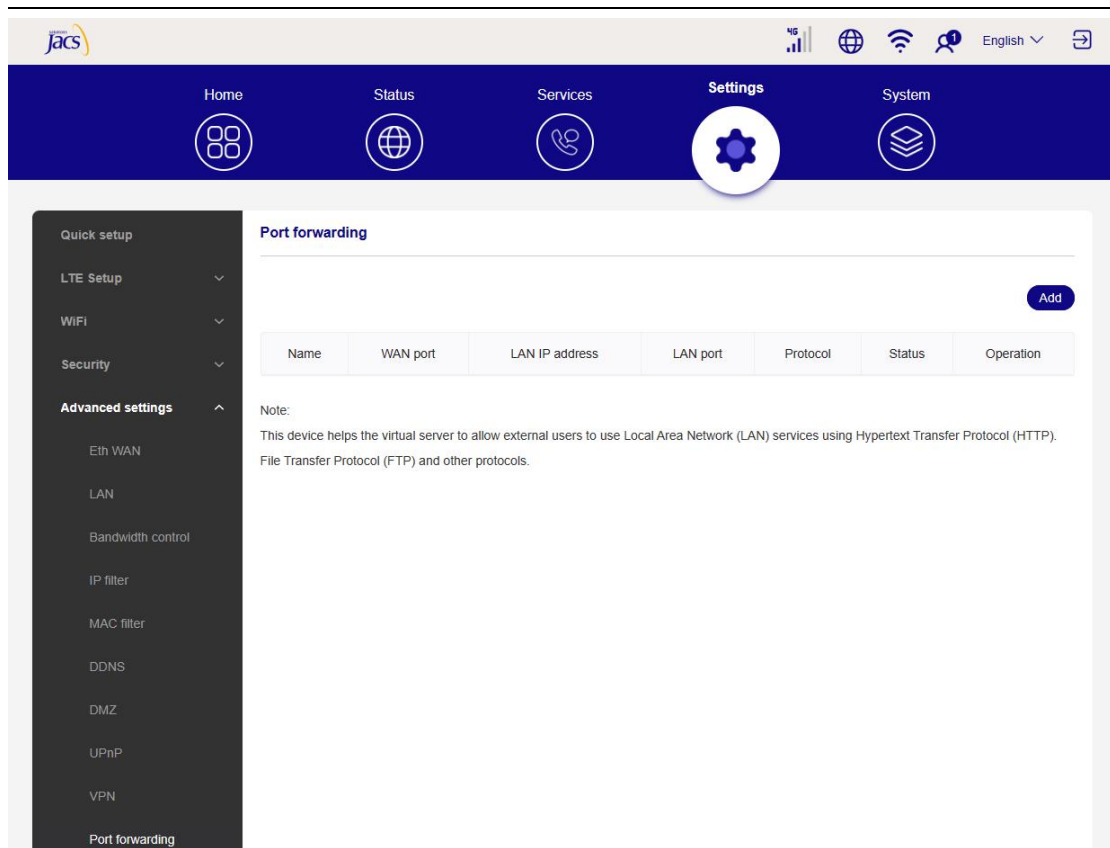
VPN

Virtual Private Network (VPN) is a dedicated network across the shared or public network (usually the internet). The VPN technology allows employees at a branch of an enterprise and employees at the headquarters to exchange resources conveniently without exposing these resources to other internet users.



Port Forwarding

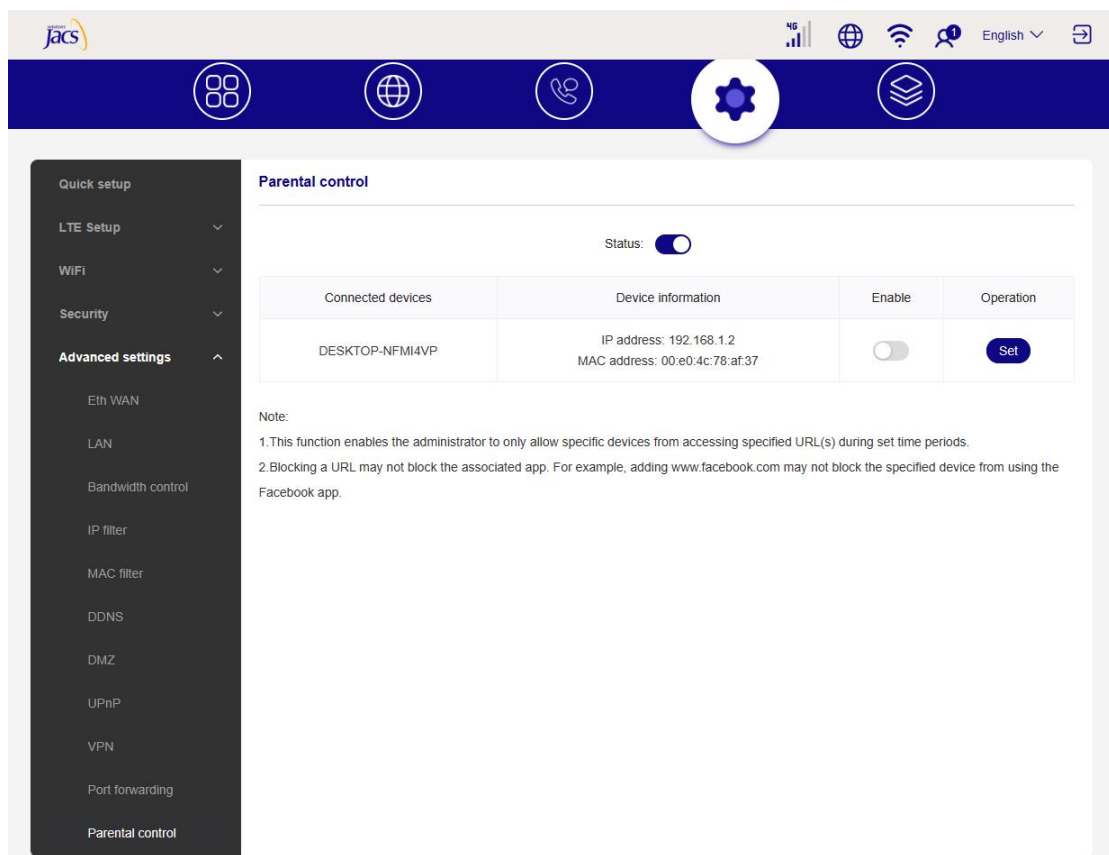
This function enables external users to access FTP and other services within the LAN.



Parental control

Set internet access schedule for the client devices on the CPE network, and define which 18 websites the client devices can and cannot visit.

To manage parental control, click Set, then set internet access schedule and specify website blacklist.

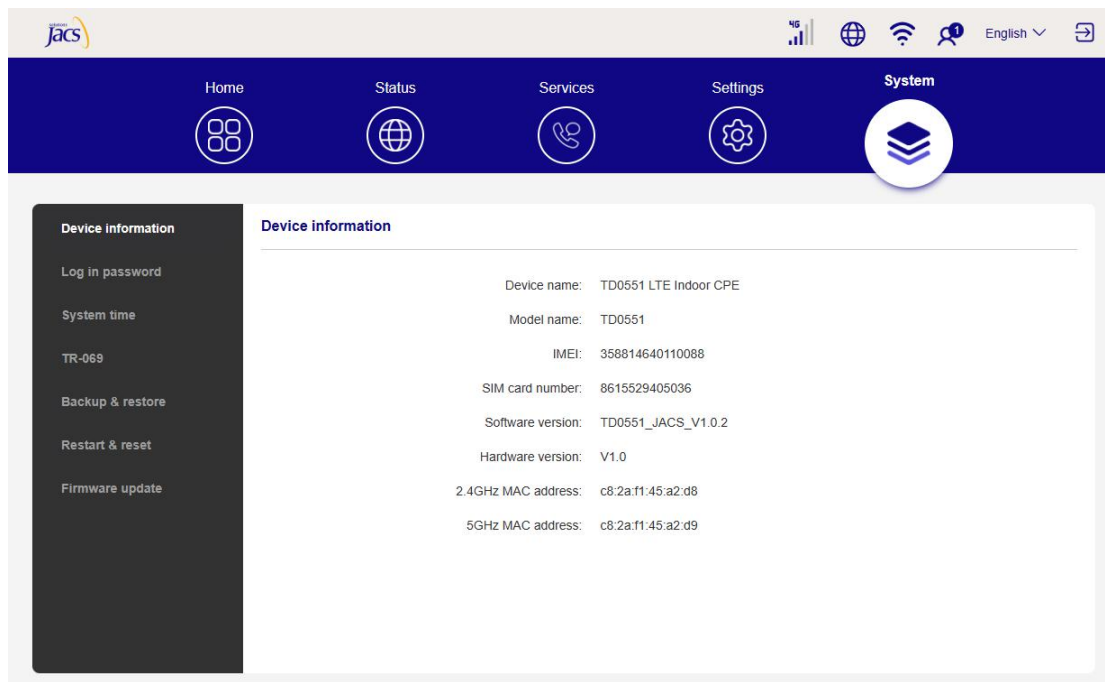


3.5 System

In this section, you can quickly view the device information, reboot or reset your device, modify login password, and more.

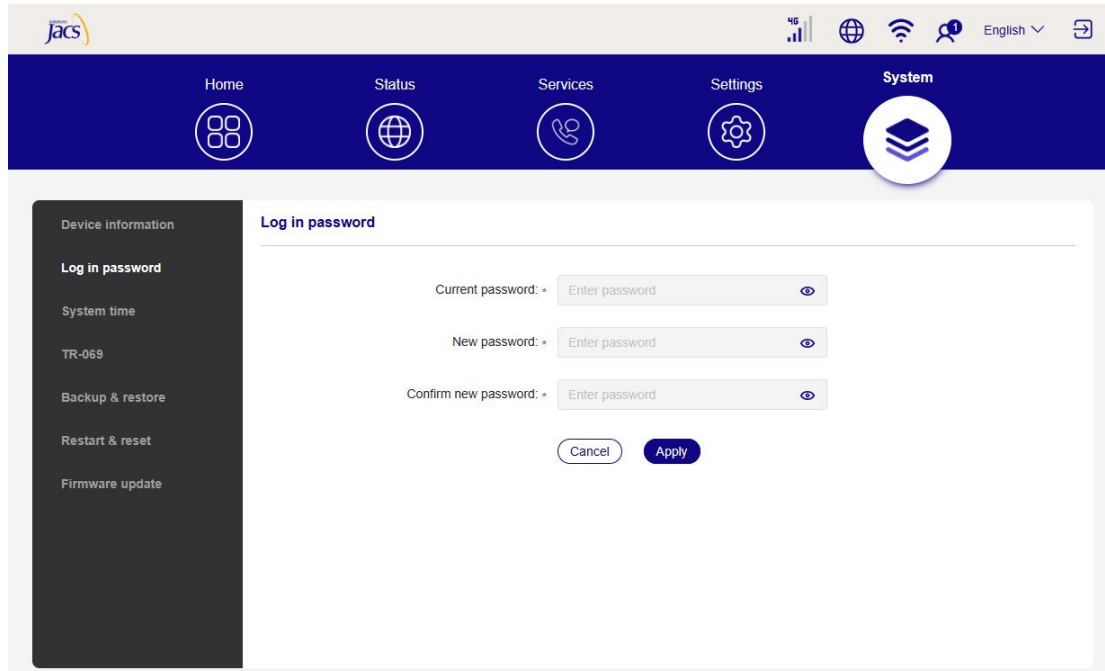
Device information

You can view device information in this tab, including IMEI, software version, and MAC address.



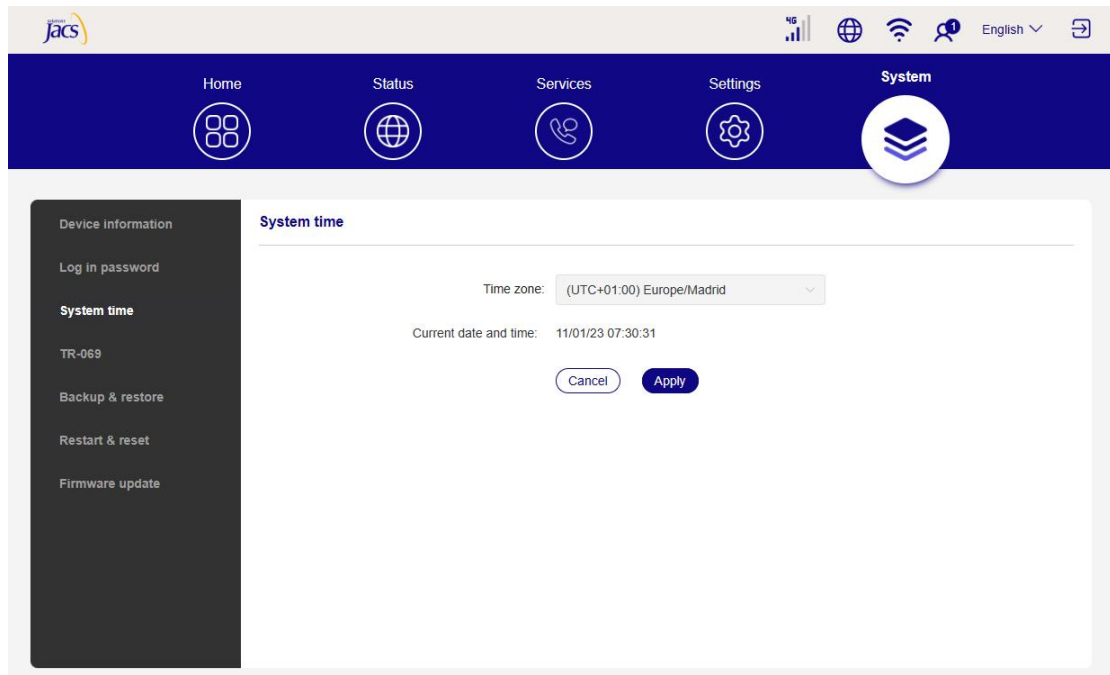
Login password

Enter your current password, and set a new one. The new password must be 4 to 16 characters long.



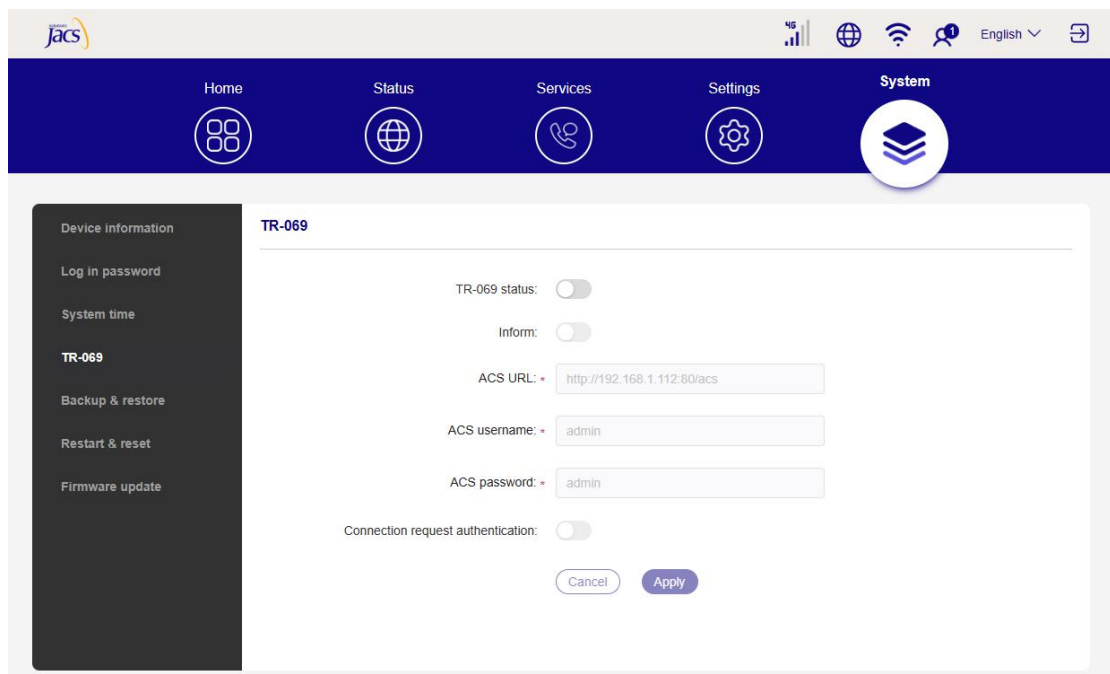
System time

Manage the the time zone in this tab.



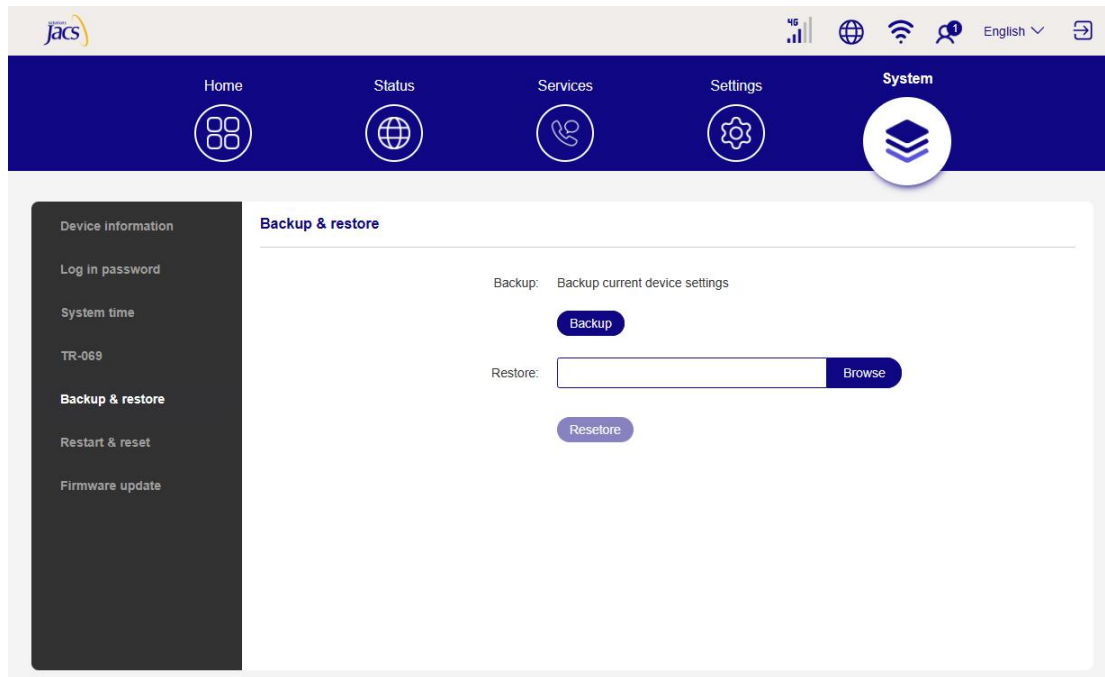
TR-069

It is a protocol for communication between CPE and an Auto Configuration Server (ACS) that provides secure auto-configuration as well as other CPE management functions within a common framework.



Backup & restore

This feature allows you to back up the current device configuration, or restore the device to a previous configuration by importing the backup configuration file.

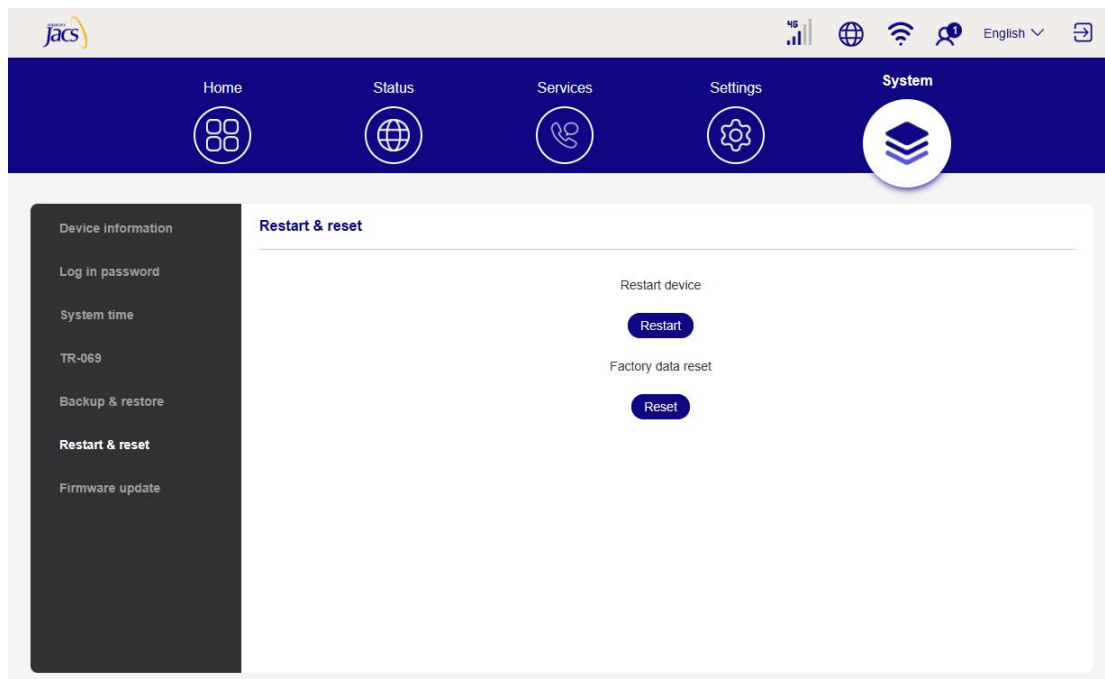


Restart & reset

This function enables you to restart or factory reset the CPE.

If the CPE does not work properly, you can try restarting the CPE to solve the problem.

If you can't access the internet for unknown reasons, or forget the login password, you can restore the CPE to factory settings. To reset the CPE, you can also use a paperclip to press the reset button on the CPE for 3 seconds.

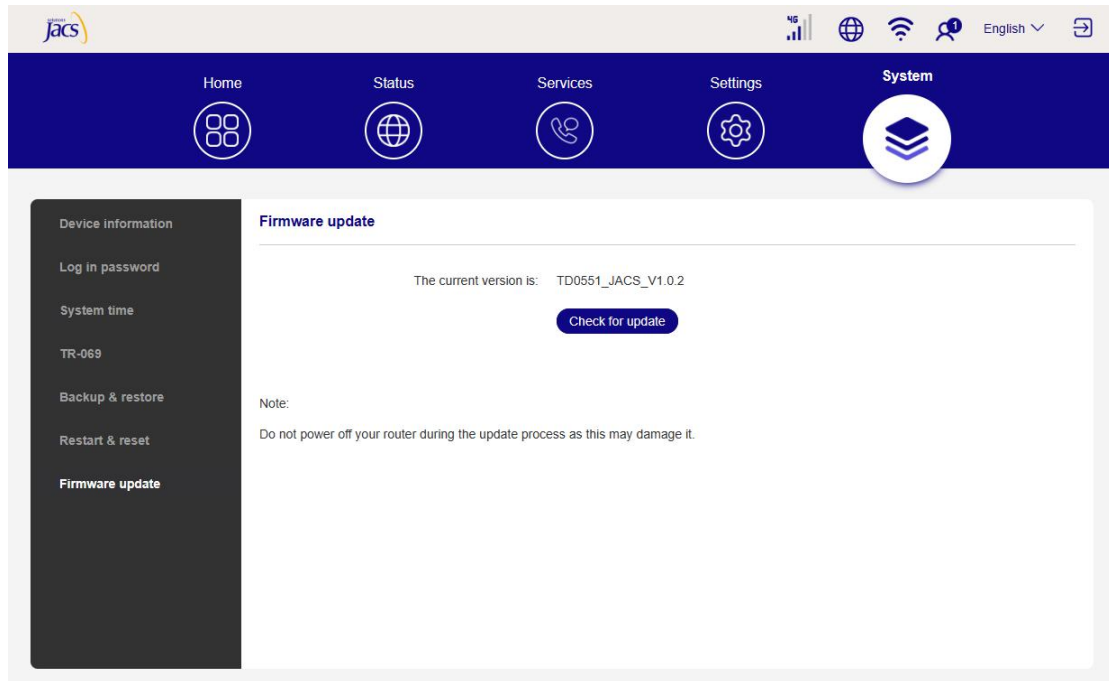


Firmware update

Click Check for update, and the CPE will detect software version. If a new version is available, you can click Update to upgrade the software.

Note

Do not power off the device during the upgrade process. Otherwise, it may be damaged.



Federal Communication Commission (FCC) Radiation Exposure Statement

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.