

MF275U Wireless Router

User Manual

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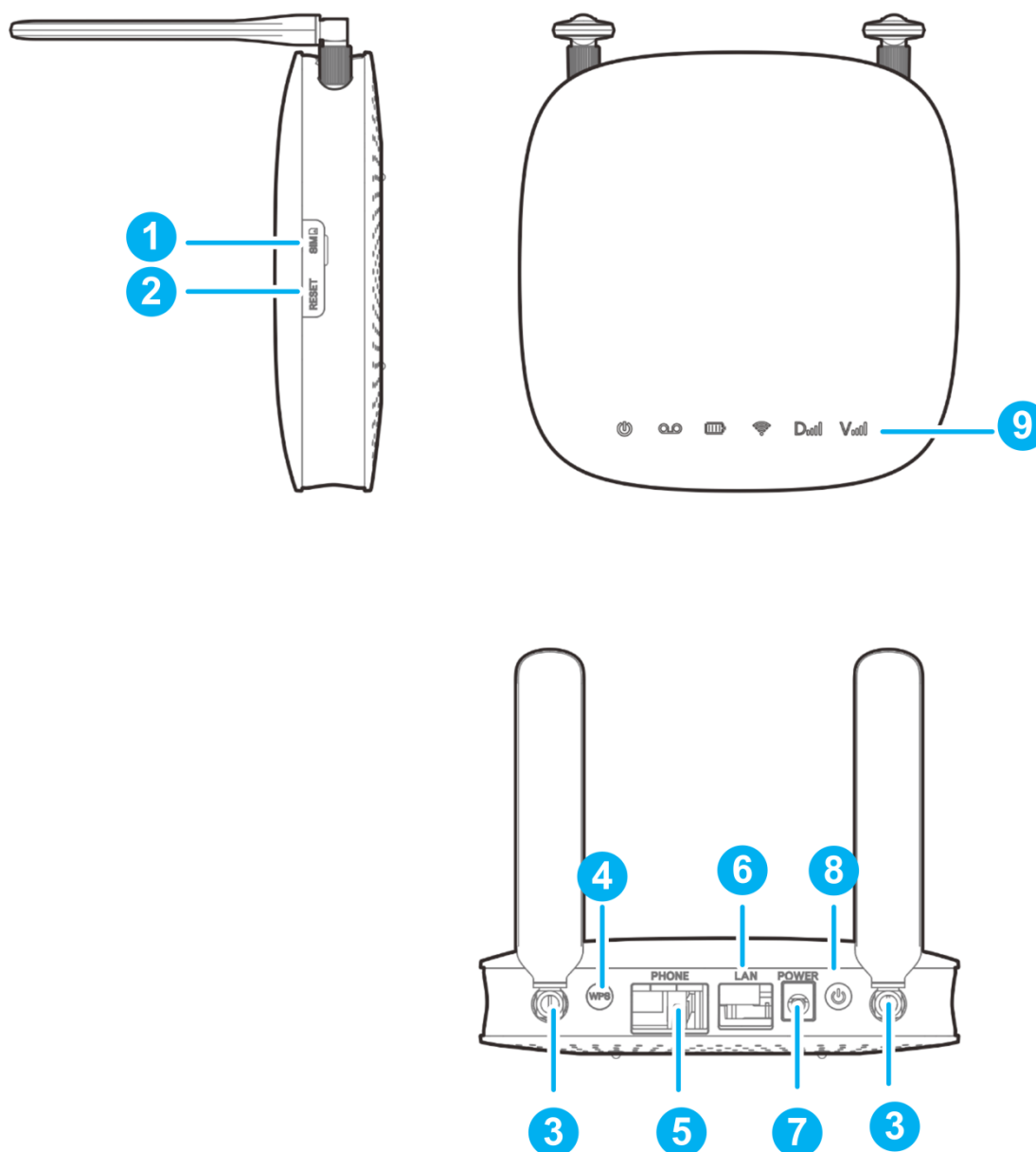
Edition Time: May22, 2014

Manual No.:

Getting Started

The router operates on the LTE and CDMA networks and supports voice and data service.

Interface Description



1. micro-SIM card slot	Insert your micro-SIM card.
2. Reset button	Reset your router.
3. External Antenna Connector	To get strength SIG.
4. WPS button	This button is used to start/end Wi-Fi Protected Setup authentication process and enable/disable the Wi-Fi function. ● Hold it for 3 seconds to activate the WPS function.

	When the WPS function is available, press it to deactivate the WPS function. Press it to enable/disable Wi-Fi WPS function.
5. Phone	Standard RJ11 connector for telephone.
6. LAN	Ethernet connector to computer.
7. Power Socket	Connector to the external power supply.
8. Power Switch	Turn your router on or off.
9. Indicators	Indicate the status of your router.

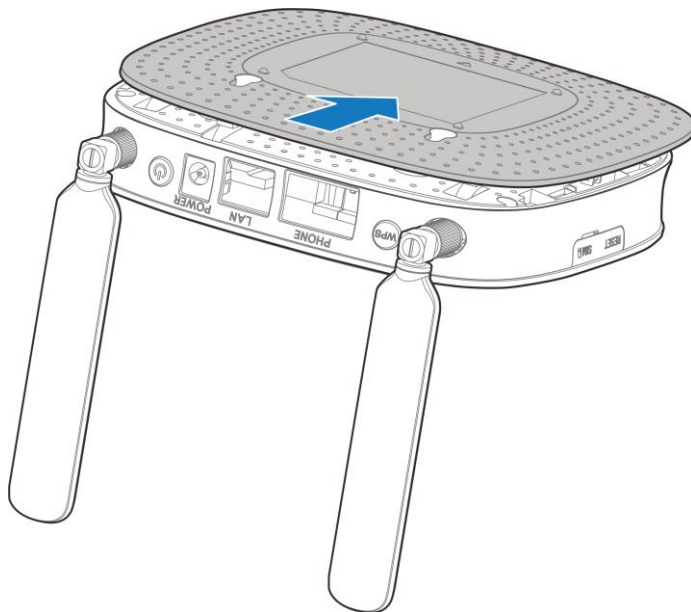
Indicators

Indicator	State	Description
Power 	Green steady	AC power present
	Off	No power
VoiceMail 	Green steady	New voicemail waiting
	Off	No new voicemail
Battery 	Green steady	More than 50% discharging(charger not present)
	Green blinking	More than 50% charging(charger present)
	Yellow steady	20% ~50% discharging(charger not present)
	Yellow blinking	20% ~50% charging(charger present)
	Red steady	Less than 20% discharging(charger not present)
	Red blinking	Less than 20% charging(charger present)
	Off	Battery not present
Wi-Fi 	Green steady	Wi-Fi on.
	Off	Wi-Fi off.
Data network 	Green steady	Connected to the LTE network
	Yellow steady	Connected to CDMA 1x or EVDO
	Yellow blinking	Roaming
	Red steady	No service, limited service, searching, no micro-SIM card or other abnormal status
Voice RSSI 	Green steady	Strong(3,4&5bars) SIG
	Green blinking	Roaming

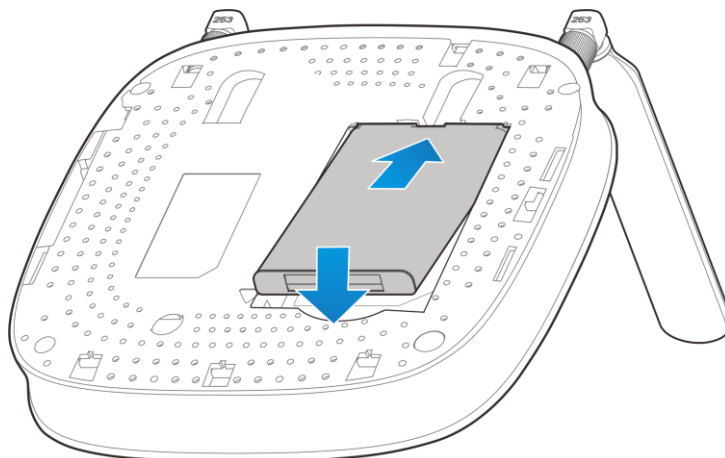
	Yellow steady	Weak(1&2bars) SIG
	Yellow blinking	Roaming
	Red steady	No service, limited service, searching

Installing your router

1. Slide the back cover and remove it.



2. Install the battery.



3. Install the micro-SIM card.(Optional)



IMPORTANT:

Your device only supports the micro-SIM card. To avoid damaging the device, please use standard micro-SIM cards.

Charge your router

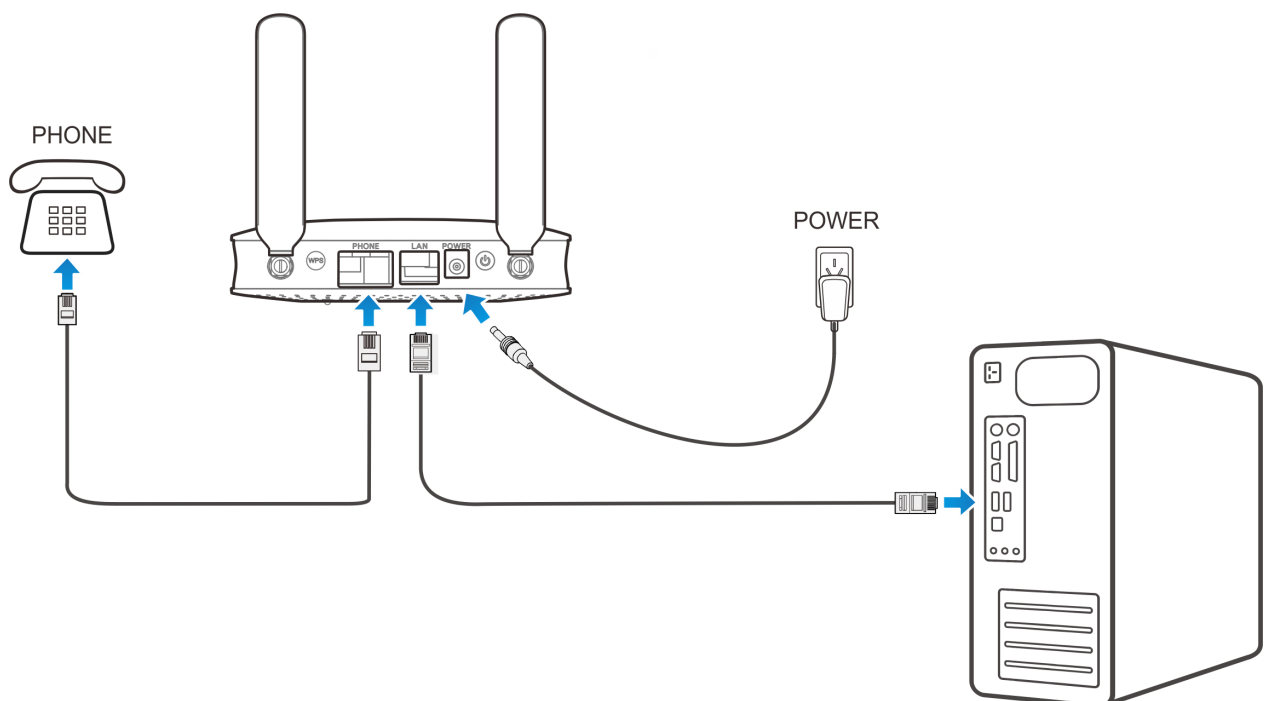
You can charge your router by using adapter.

1. Insert the charger lead carefully with the plug arrow facing the bottom of the router.
2. Do not use excessive force to insert the plug.
3. Make sure the plug is the right way round and lined up correctly and insert it gently.

Connecting Your Router

NOTE:

If you want to use the mobile network to connect to Internet, you need to insert your micro-SIM card first.



Switching on Your Router

1. Press and hold the **Power Key** to get started. Make sure that the power indicator is on.

NOTE:

Do not put anything on the top of the router. Do not lay routers to overlap each other during usage.

2. Wait 1~2 minutes after turning the router on before you use the service. The data network indicator should be lit on.

NOTE:

- When the router is turned off, an incoming caller will hear the prompt like “The number you have dialed is currently unavailable.”
- If the data network indicator is red blinking constantly, try to move the router to another location. The router takes 1~2 minutes to initialize, attach to the network and obtain an IP address.

Power Supply

For normal operation, connect the router to the external power adapter. In case of power failure or when there is no available external power supply, the router will not work.

About (U)SIM Card

Avoid handling the (U)SIM card unnecessarily. Hold the card by the edges to prevent static damage. Keep the (U)SIM card away from electrical and magnetic appliances.

If you cannot get service, make sure that:

- You are in an area which has network coverage.
- You are using the correct (U)SIM card.

Internet Access

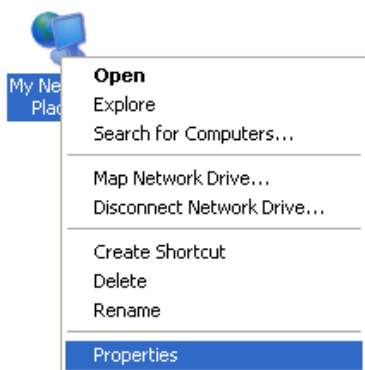
Configuring Your PC

Follow the following steps and figures for Windows XP to configure the Internet Protocol for your connection.

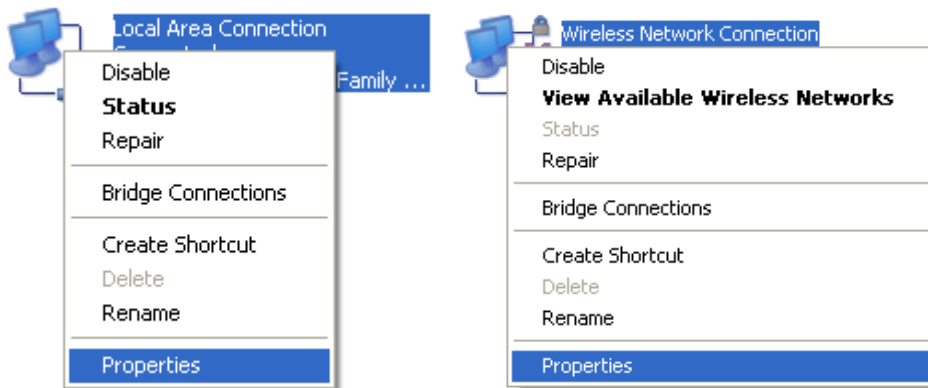
NOTE:

- Wireless Network Connection is used for Wi-Fi connection.
- Local Area Connection is used for Network Cable connection.

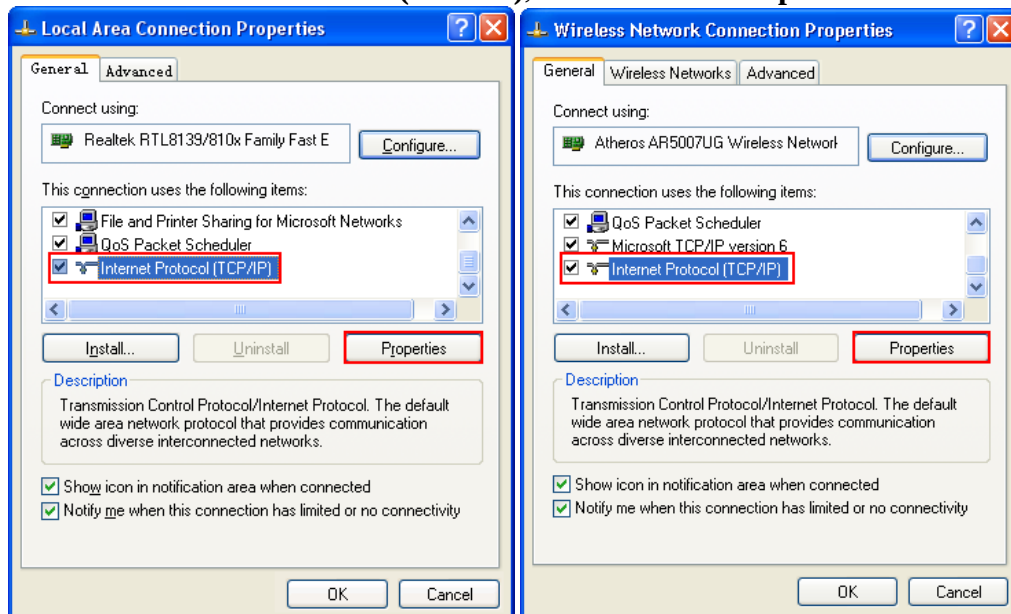
1. Right-click **My Network Places** and then select **Properties**.



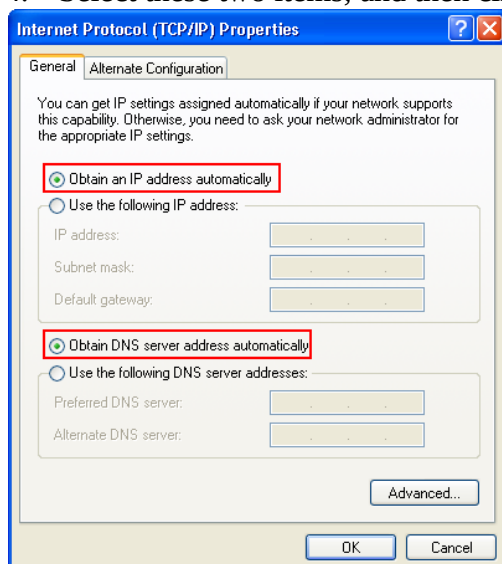
2. Right-click the icon for Connection, and then select **Properties**.



3. Select **Internet Protocol(TCP/IP)**, and then click **Properties**.



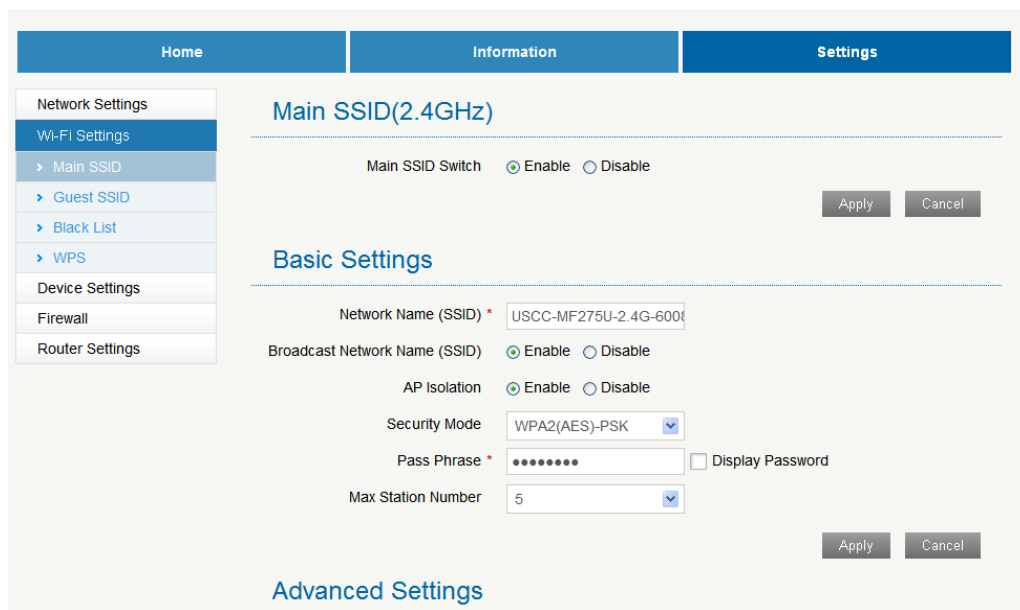
4. Select these two items, and then click **OK** to finish the configuration.



Wireless Connection (Optional)

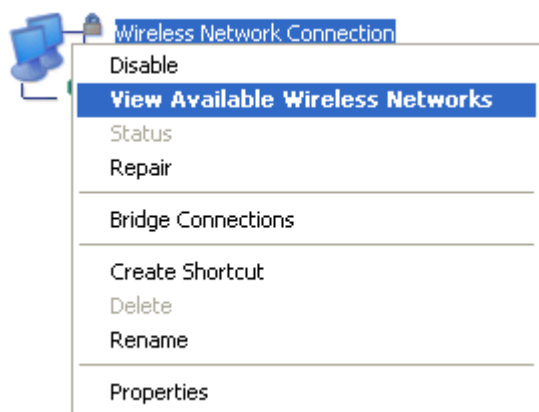
If you want to use Wi-Fi to connect your router, please refer to the following steps.

1. Make sure that the Wi-Fi network works normal. Please check the Wi-Fi Setting on the WebGUI Configuration page or check the Wi-Fi indicator .



The screenshot shows the 'Main SSID(2.4GHz)' configuration page in a web interface. The page has a top navigation bar with 'Home', 'Information', and 'Settings' tabs. On the left, there is a sidebar menu with 'Network Settings' expanded, showing 'Wi-Fi Settings' and its sub-items: 'Main SSID', 'Guest SSID', 'Black List', and 'WPS'. The main content area is titled 'Main SSID(2.4GHz)' and contains three sections: 'Main SSID Switch' with 'Enable' selected, 'Basic Settings' with fields for 'Network Name (SSID)', 'Broadcast Network Name (SSID)', 'AP Isolation', 'Security Mode' (set to WPA2(AES)-PSK), 'Pass Phrase', and 'Max Station Number' (set to 5), and 'Advanced Settings' which is currently collapsed. 'Apply' and 'Cancel' buttons are present at the end of each section.

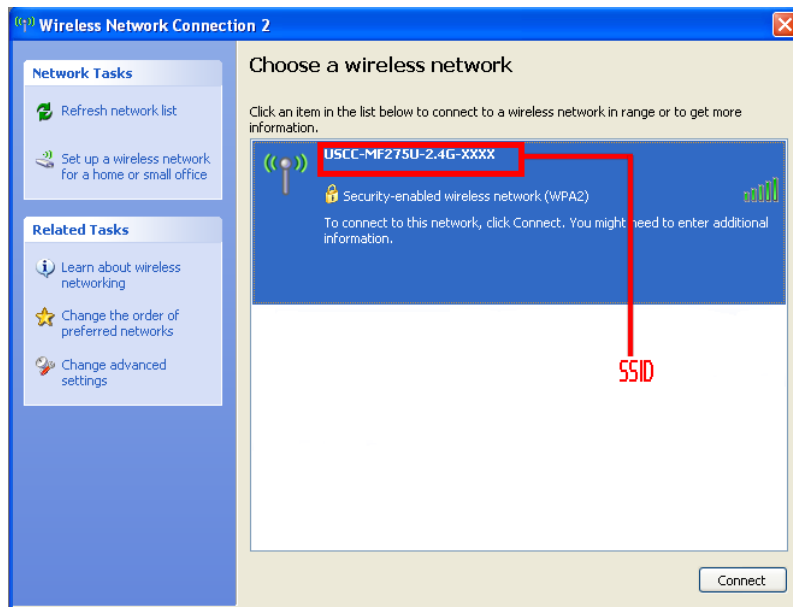
2. Use your normal Wi-Fi application on the client to search for the available wireless networks.



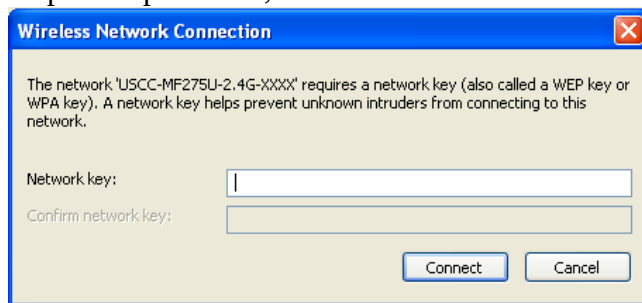
NOTE:

Please set the client to obtain an IP address automatically, and the client will get an IP address like "192.168.1.100".

3. Select the SSID of your router, and then click **Connect**.



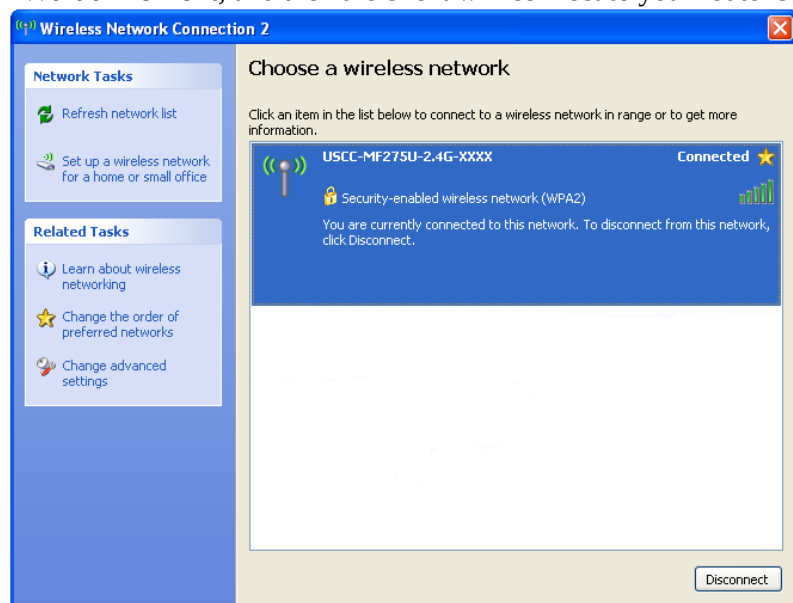
4. Input the password, and then click **Connect**.



NOTE:

There may require the password for Wi-Fi connection. Please check the label on your router to get the default.

5. Wait a moment, and then the client will connect to your router successfully.



Accessing the Internet

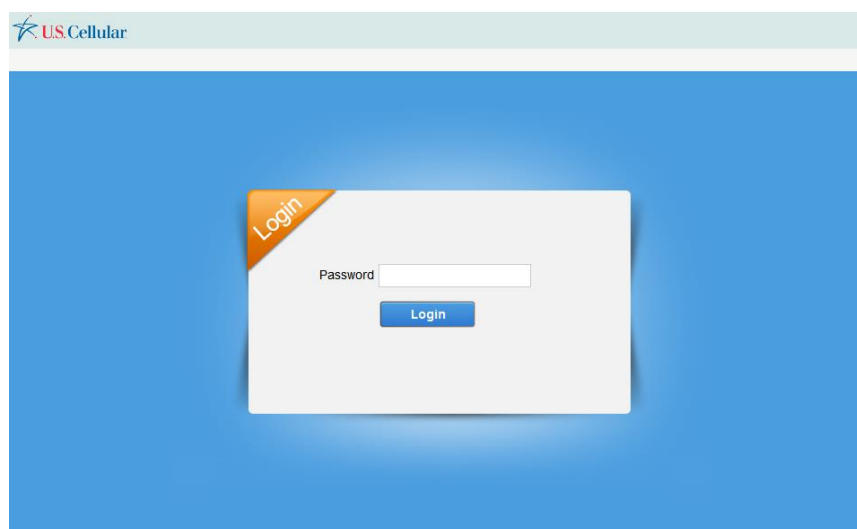
Before accessing the Internet, please make sure:

- Your router is connected via network cable or Wi-Fi.
- Your PC is configured.

WebGUI Configuration

To access the Internet:

1. Log in the WebGUI Configuration Page.
 - 1) Launch the Internet browser and enter **http://192.168.1.1** or **http://uscc.hotspot** in the address bar. The login page appears.



- 2) Input the password (for the default password, please check the label on your router), and then click **Login**.
2. Select current mode **Change**.

Operation Mode ×

☐ Bridge

☐ Cable Broadband

☒ Wireless Broadband

*** Please remove the WAN cable when in Wireless Broadband mode.**

Apply

NOTE:

If you select Bridge mode, you need to connect your clients to the LAN ports via Ethernet cable, and use normal methods to surf directly on your clients. If you want to use other operation mode after Bridge, you need to pull up the network cable connector and reset your router.

3. Configure **Settings**.

NOTE: This step is used for Cable Broadband mode and Wireless Broadband mode.

- For Cable Broadband mode
 - ▶ Please select **PPPoE**, set the PPPoE parameters, and then click **Connect**.

NOTE: Your service provider gives you the User Name and Password.

Current mode: Cable Broadband

Change

Logout

Home

Information

Settings

Network Settings

Wi-Fi Settings

Device Settings

Firewall

Router Settings

Dial-up Settings

WAN Connection Mode

PPPoE

User Name *

poeuser

Password *

••••••••

WAN Connection Mode

Auto Connect

Manual Connect

Connect

► Please select **Static**, input all the parameters, and then click **Apply**.

NOTE: Your service provider gives you the static address information.

Home

Information

Settings

Network Settings

Wi-Fi Settings

Device Settings

Firewall

Router Settings

Dial-up Settings

WAN Connection Mode

Static

Static

IP Address *

0.0.0.0

Subnet Mask *

0.0.0.0

Default Gateway *

0.0.0.0

Primary DNS Server *

0.0.0.0

Secondary DNS Server *

0.0.0.0

Apply

► Please select **DHCP**, and then click **Apply**.

NOTE: Your service provider does not give you any parameters.

Home

Information

Settings

Network Settings

Wi-Fi Settings

Device Settings

Firewall

Router Settings

Dial-up Settings

WAN Connection Mode

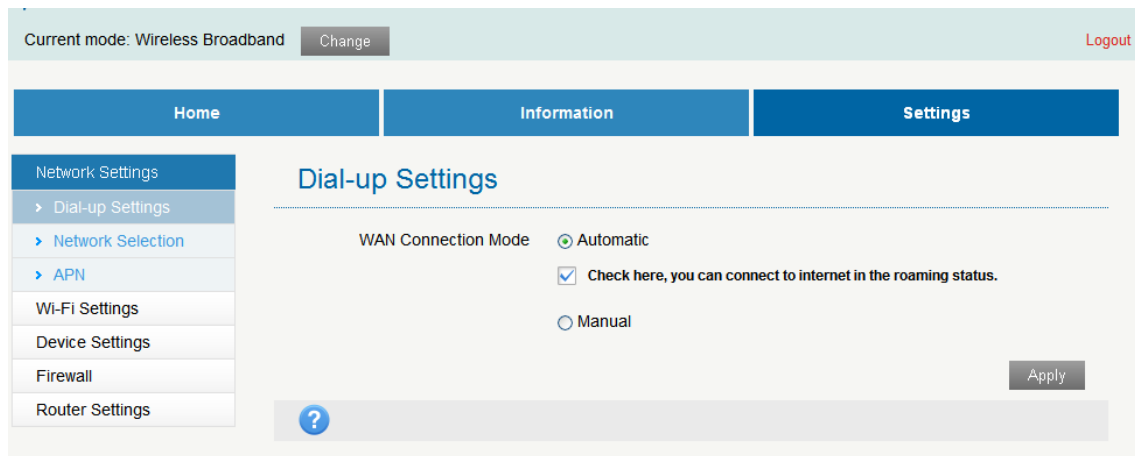
DHCP

Apply

- For Wireless Broadband mode

► Please select the **Wireless Broadband mode**, and click **Apply**.

On this mode, you need to use your (U)SIM card to enjoy your Internet service. You can change dial-up settings, network selection and APN.



Voice Function

Making a Call

You have two ways to make a call:

To make a call:

1. Pick up the handset.
2. Key in the telephone number.
3. You can either press # key on the telephone to send the call, or wait 4~8 seconds for the call to be connected automatically.
4. The call will be connected.

NOTE:

If there is no SIG indication, the radio signal is unavailable. Change the location of the router and make sure nothing is blocking it.

Answering a Call

When the phone rings, pick up the handset to answer it. If the telephone has hands-free function you also can answer the call by pressing the **Hands-free** button. Press the **Hands-free** button again to end the call.

Settings

Do not modify any settings unless instructed by your service provider.

Please disconnect the router from the network before changing the settings.

Network Settings

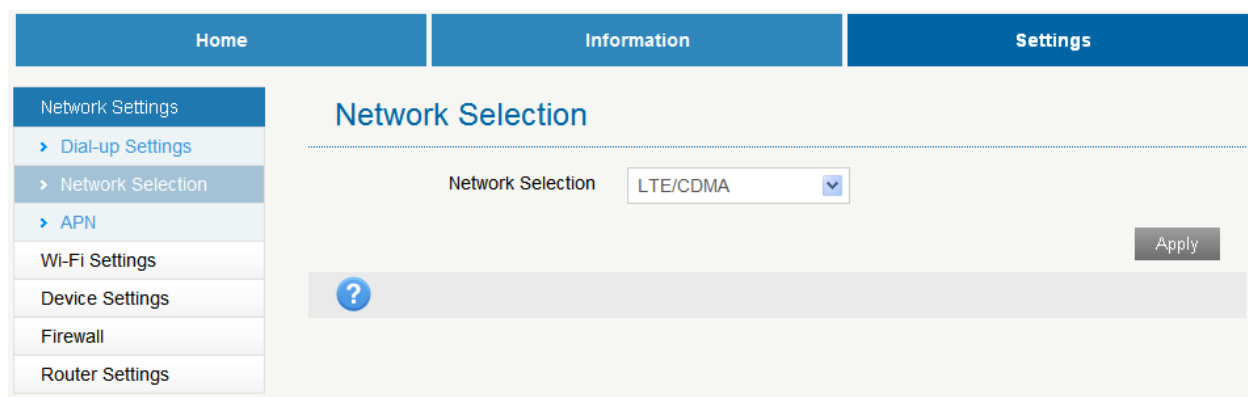
- **Dial-up Settings**

After the client is connected to your router successfully, you can access the Internet in the **Automatic** or **Manual** mode. The default mode is **Automatic**.

Mode	Operations
Automatic	Your router will connect to the Internet automatically, and your clients can surf on the Internet directly.
Manual	Log in the webGUI configuration page, and select Settings > Network Settings > Dial-up Settings > Manual (To change current setting, please disconnect from network), then Apply .

- **Network Selection**

Select **Settings > Network Settings > Network Selection**, you can change network selection the mode as follows:



- **APN**

To connect to the Internet you can use the default Access Point Names (APNs) in Auto/Manual mode, select **Settings > Network Settings > APN**.

Home	Information	Settings
Network Settings > Dial-up Settings > Network Selection > APN Wi-Fi Settings Device Settings Firewall Router Settings	APN Current APN nbk Mode ☐ Auto ☒ Manual Profile nbk ▼ Add New PDP Type IPv4 ▼ Profile Name * nbk IPv4 APN * zte.com IPv4 DNS Mode ☒ Auto ☐ Manual IPv4 Authentication NONE ▼ IPv4 User Name IPv4 Password Set as default	

Create a new APN selecting the Manual mode, then **Add New**.

Network Settings	APN
> Dial-up Settings > Network Selection > APN Wi-Fi Settings Device Settings Firewall Router Settings	Current APN nbk Mode ☐ Auto ☒ Manual Profile nbk ▼ Cancel PDP Type IPv4 ▼ Profile Name * IPv4 APN * IPv4 DNS Mode ☒ Auto ☐ Manual IPv4 Authentication NONE ▼ IPv4 User Name IPv4 Password Apply

Wi-Fi Settings

- Basic settings

Select **Settings** > **Wi-Fi Settings** > **Main SSID** / **Guest SSID**, the wireless network basic parameters are shown in the following figure:

Home	Information	Settings
Network Settings Wi-Fi Settings > Main SSID > Guest SSID > Black List > WPS Device Settings Firewall Router Settings	Guest SSID(5.0GHz) Guest SSID Switch ☒ Enable ☐ Disable Apply Cancel Basic Settings Network Name (SSID) * USCC-MF275U-5G-60088 Broadcast Network Name (SSID) ☒ Enable ☐ Disable AP Isolation ☒ Enable ☐ Disable Security Mode OPEN ▼ Max Station Number 5 ▼ Apply Cancel	

- ▶ **Main / Guest Switch:** Enable or disable multi SSID.
- ▶ **Network Name(SSID):** Service Set Identifier (SSID). Enter a string less than 32 characters as the name for your wireless local area network (WLAN).
- ▶ **Broadcast Network Name(SSID):** Disable or Enable (Default) this function. If **Enable** is selected, the router broadcasts the SSID, and other routers can detect and connect to it. If **Disable** is selected, the other routers cannot detect the router. You can only connect to the router by manual setting.
- ▶ **AP Isolation:** When **Enabled** is selected, each of your wireless clients will not be able to communicate with each other. When **Disable** is selected, each of your wireless clients will be able to communicate with each other.
- ▶ **Security Mode:** The security modes are described below:
 1. **OPEN:** You can authenticate successfully with a SSID, whether it is valid or empty.
 2. **WPA-PSK/WPA2-PSK:** Apply both the WPA-PSK and WPA2-PSK scheme.
 3. **WPA2(AES)-PSK:** It is the securer version of WPA with implementation of the 802.11i standard.

If the Authentication type is **WPA2(AES)-PSK** or **WPA-PSK/WPA2-PSK** , the bottom part of the configuration page displays WPA parameters.
- ▶ **Max Station Number:** Set the maximum numbers of wireless network connecting to the router.

- **Advanced settings**

Select **Settings > Wi-Fi Settings > Main SSID / Guest SSID** , you can set the band selection, network mode, channel bandwidth and etc.

Advanced Settings

Network Mode	802.11 b/g/n	▼
Channel Bandwidth	20MHz	▼
Country/Region Code	UNITED STATES	▼
Frequency (Channel)	Auto	▼

Apply Cancel

- Black List**

Select **Settings** > **Wi-Fi Settings** > **Black List**, to able or disable black list.

Home	Information	Settings
------	-------------	----------

Network Settings
Wi-Fi Settings
Main SSID
Guest SSID
Black List
WPS
Device Settings
Firewall
Router Settings

Black List

Black List Switch ☒ Enable ☐ Disable

Apply

No.	Host Name	MAC Address
-----	-----------	-------------

Device Information

No.	Host Name	MAC Address
-----	-----------	-------------

- WPS**

Select **Settings** > **Wi-Fi Settings** > **WPS**, select WPS mode, the two modes are described below:

Home	Information	Settings
------	-------------	----------

Network Settings
Wi-Fi Settings
Main SSID
Guest SSID
Black List
WPS
Device Settings
Firewall
Router Settings

WPS(Main SSID)

SSID USCC-MF275U-2.4G-XXXXXX

WPS * ☐ PIN

☐ PBC

Apply

WPS(Guest SSID)

SSID USCC-MF275U-5G-600888

WPS * ☐ PIN

☐ PBC

Apply

- ▶ **PIN:** Set the client's PIN code in client PIN field.
- ▶ **PBC:** Press the WPS button of the router or select PBC, and then click **Apply**. Press the WPS button on the client wireless adapter within two minutes, and the negotiation process will be established.

Router settings

Voice Capability	Set to enable voice capability switch.
-------------------------	--

Account management	Set the account password.
Reset	Set all the settings to their factory default values, and then the router will restart automatically.
Restart	To restart the router.
Power Save	Set to save your router's battery power.
SNTP	Set the time of the router
Software update	To upgrade the software version of the router

NOTE:

Three times consecutive wrong PIN code entries will block the (U)SIM card. To unlock it, you need the PUK code. The PIN code and PUK code may be offered together with the (U)SIM Card. If not, please contact with network operator.

Firewall

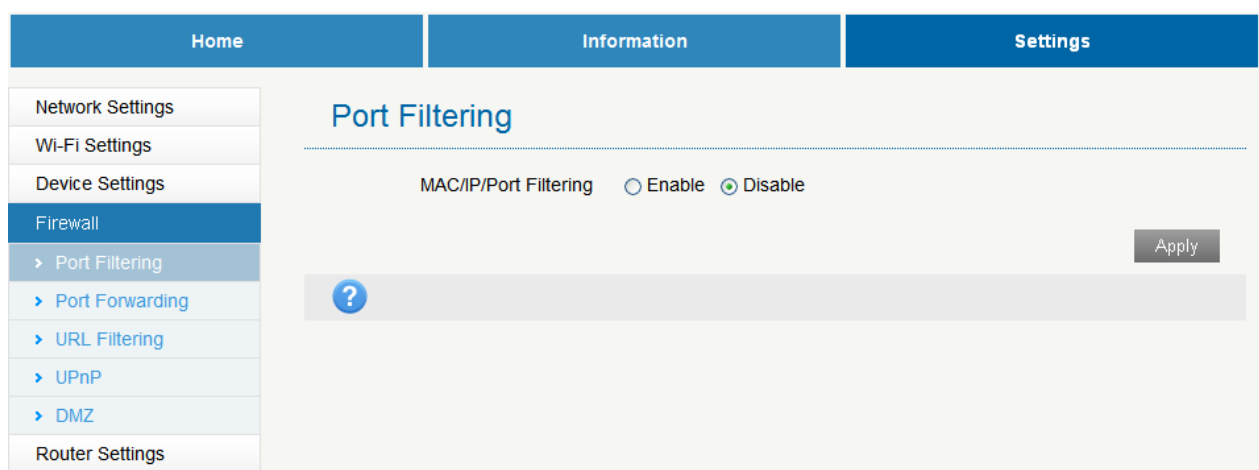
You may setup firewall rules to protect your network from virus, worm and malicious activity on the Internet.

NOTE:

You can set the maximum 10 filtering items for **MAC/IP/Port Filtering**, **URL Filtering** and **Port Forwarding**.

- **MAC/IP/Port Filtering**

Select **Settings > Firewall > Port Filtering**, the Mac/IP/Port Filtering is shown in the following figure:



If you select **Enable**, then **Apply** the filter settings will appear:

Port Filtering

MAC/IP/Port Filtering ☒ Enable ☐ Disable

Default Policy ☒ Accepted ☐ Dropped

Apply

- **Default Policy:** Set how to handle the packet if none of the rules matches.

MAC/IP/Port Filtering Settings

IP Settings ☒ IPv4 ☐ IPv6

MAC Address (e.g., 00:1E:90:FF:FF:FF)

Source IP Address

Dest. IP Address

Protocol

Action ☐ Accept ☒ Drop

Comment *

Apply



Current MAC/IP/Port filtering rules in system

☐	MAC Address	IP Type	Source IP Address	Dest. IP Address	Protocol	Source

Delete

- **IP Setting:** Select the Internet Protocol version.
- **MAC address:** Set the MAC address that will be filtered.
- **Source IP Address:** Set the source IP address that will be filtered.
- **Dest. IP Address:** Set the destination IP address that will be filtered.
- **Protocol:** Set which protocol will be used for filtering.
- **Action:** Set how to handle the packet if it matches with the rule.
- **Comment:** Type comment for the filter settings.

NOTE:

Filtering rules are matched one by one, if met this provision, it will not continue to match the rules listed below.

To add a new rule:

1. Input the detail information in the **Mac/IP/Port Filtering** area.
2. Click **Apply** in the **Mac/IP/Port Filtering** area.

To delete a rule:

Select the rule in the **Current Mac/IP/Port Filtering rules in the system** area, then Click **Delete**.

- **Port Forwarding**

You can setup virtual servers to provide services on the Internet. Select **Firewall > Port Forwarding**, the virtual server settings is shown in the following figure:

The screenshot shows the 'Port Forwarding' configuration page. On the left is a navigation menu with 'Firewall' selected, which includes options like 'Port Filtering', 'Port Forwarding', 'URL Filtering', 'UPnP', and 'DMZ'. The main content area is titled 'Port Forwarding' and features a 'Virtual Server Settings' section with 'Enable' and 'Disable' radio buttons. An 'Apply' button is located on the right side of the page.

If you select **Enable**, then **Apply** the Virtual Server Settings will appear:

The screenshot displays the 'Port Forwarding Settings' form. It includes fields for 'IP Address' (with an example '192.168.0.101'), 'Port Range' (with a range '1~65535'), 'Protocol' (set to 'TCP+UDP'), and a 'Comment' field. An 'Apply' button is at the bottom right. Below the settings is a section titled 'Current Virtual Servers in system' which contains a table with headers: 'IP Address', 'Port Range', 'Protocol', and 'Comment'. A 'Delete' button is located at the bottom right of this section.

- ▶ **IP Address:** Set IP address for the virtual server.
- ▶ **Port Range:** Set port numbers for the virtual server.
- ▶ **Protocol:** Set protocol for the virtual server.
- ▶ **Comment:** Type comment for the virtual server settings.

Click **Apply** to confirm your configuration.

To delete a virtual server:

Select the virtual server in the **Current Virtual Servers in the system** area, then Click **Delete**.

- **URL Filtering**

You can setup content filter to restrict the improper content access. Select **Firewall > URL Filtering**, the URL Filtering is shown in the following figure:

The screenshot shows the 'URL Filtering' configuration page. On the left sidebar, 'Firewall' is selected, and 'URL Filtering' is highlighted under the 'Firewall' section. The main content area is titled 'URL Filtering'. It features a 'URL *' input field with a red asterisk indicating it is required. To the right of the input field are 'Apply' and 'Reset' buttons. Below this is a section titled 'Current URL Filtering'. It contains a table with a single header 'URL' and a 'Delete' button to its right.

Type a URL address, and then click **Apply** to add the URL address into the filtering list. The new URL filtering item will be shown in the **Current URL Filtering** field. To delete a URL filtering item, select the URL in the **Current URL Filtering** area, then Click **Delete**.

- **UPnP**

It allows the router to advertise its UPnP capabilities. Select **Firewall > UPnP**, select **Enable**.

The screenshot shows the 'UPnP Settings' configuration page. On the left sidebar, 'Firewall' is selected, and 'UPnP' is highlighted under the 'Firewall' section. The main content area is titled 'UPnP Settings'. It features 'UPnP Settings' with radio buttons for 'Enable' (selected) and 'Disable'. To the right is an 'Apply' button. Below this is a table with a single row containing a question mark icon in a blue circle.

- **DMZ**

You can set up a De-militarized Zone (DMZ) to separate internal network with the Internet. Select **Firewall > DMZ**, the DMZ setting is shown in the following figure:

Home	Information	Settings
- Network Settings - Wi-Fi Settings - Device Settings Firewall - Port Filtering - Port Forwarding - URL Filtering - UPnP - DMZ - Router Settings	DMZ Settings DMZ Settings ☒ Enable ☐ Disable IP Address * Apply Help	

If you select **Enable**, set the **DMZ IP Address**, and then click **Apply** to confirm your configuration.

Router Settings

Select **Settings > Router settings** the router information is shown in the following figure:

Home	Information	Settings
- Network Settings - Wi-Fi Settings - Device Settings - Firewall Router Settings	Router Settings IP Address * 192.168.1.1 Subnet Mask * 255.255.255.0 DHCP Server ☒ Enable ☐ Disable DHCP IP Pool * 192.168.1.100 - 192.168.1.200 DHCP Lease Time * 24 hour(s) Apply Cancel Help	

- ▶ **IP Address:** IP address for LAN interface.
- ▶ **Subnet Mask:** Subnet mask for the IP address.
- ▶ **DHCP Server:** Enable or disable DHCP Server function.
- ▶ **DHCP IP Pool:** Allocate begin and end IP address for IP pool.
- ▶ **DHCP Lease Time:** Define how long the leased IP address will be expired, and will relocate new IP address.

Click **Apply** to confirm your configuration.

WPS Function

Your router supports WPS function. You can use this function to connect the client to your router.

1. Power on your router, and enable the Wi-Fi function on your router.
2. Enable the WPS function. Please check the WPS Setting on the homepage.
3. Press the **WPS** button on your router to start Wi-Fi Protected Setup authentication process.
4. Enable the WPS function on your client to respond to this authentication process.
5. Follow the system prompts on your client to finish the connection.

Warning and Notice

Safety Precautions

- Some electronic routers may be susceptible to electromagnetic interference. Locate the router away from TV set, radio and other electronic equipment to avoid electromagnetic interference.
- The router may interfere with medical routers like hearing aids and pacemakers. Consult a physician or the manufacturer of the medical router before using the router.
- Please keep yourself at least 20 centimeters away from router.
- Do not use your router 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 router performance, damage the router or cause danger to you.
- Do not attempt to dismantle the router. There are no user serviceable parts.
- Do not allow the router or accessories to come into contact with liquid or moisture at any time. Do not immerse the router in any liquid.
- Do not place objects on top of the router. This may lead to overheating of the router.
- The router must be placed in ventilation environment for use.
- Do not expose the router to direct sunlight or store it in hot areas. High temperature can shorten the life of electronic routers.
- Do not allow children to play with the router or charger.
- Keep the length of the cable between the router and the phone less than 10 meters.
- The router is for indoor use only. Do not use the router outside. Do not connect telephone extensions which run outside of the building. These can result in lightning damage to your unit.

Cleaning and Maintaining

- Use an antistatic cloth to clean the router. Do not use chemical or abrasive cleanser as these could damage the plastic case. Turn off your router before you clean it.
- Use the router within the temperature range of $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$, and the storage temperature range is $-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$. The humidity range is 5%~95%.
- Do not use your router during a thunderstorm. Remove the mains power pack from the wall socket.
- Do not take out your (U)SIM card unnecessarily. The (U)SIM card may be easily lost or it can be damaged by static electricity.

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.

RF Exposure Information

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

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

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.

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.

Troubleshooting

Voice Related Problems

Symptoms	Possible Problems/ Solutions
No Dial Tone.	• Please wait for 1~2 minutes after the router is turned on. • If SIG LED light is blinking, you have no good RF reception. Change the location of the router.
There is a prompt/ phone alert/ announcement as soon as I lift the phone off the hook.	Make sure your (U)SIM card is inserted correctly and the PIN number has been entered. If the PIN number has been entered incorrectly then you will need to enter the PUK code when prompted.
The line is noisy/ distorted when I lift the phone off the hook.	• Remove any electrical appliance which is too close to the phone or router. • The cable or phone set might be faulty.
I hear a rapid engaged tone as soon as I lift the phone off the hook.	Put the phone on hook and try again. If you are connected to the Internet using the 2G (GSM) network, please disconnect this first.
After dialing the last digit I hear nothing /silence.	When you have finished dialing you can press the # key or wait 4-8 seconds to connect the call.
Can not make or receive a call when surfing on the Internet.	If you are connected using the 2G (GSM) network then you cannot surf the net and make a phone call simultaneously. Please disconnect the internet and wait 30 seconds to 1 minute before making a call.

Internet Related Problems

Symptoms	Possible Problems/ Solutions
Cannot access the Internet at all.	• Please check your configuration settings. • Please wait 1~ 2 minutes for the router to initialize. • Check your service indicator LED's.
The download or upload speeds are very slow.	The speed is dependent on signal strength. Check your signal strength and network type.
Cannot visit the webGUI configuration page	• Enter the correct address. The default address is http://192.168.1.1 or http://uscc.hotspot. • Only use one network adapter in your PC. • Do not use any proxy server.
Can not establish the Wi-Fi connection between your router and client	• Make sure the Wi-Fi function is active. Press the WPS button to enable Wi-Fi WPS function. • 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 router.

Others

Symptoms	Possible Problems/ Solutions
The RSSI signal indicator is always blinking or does not light.	This indicates poor reception. Try moving the router to another location near the window.
About the password	• For the default password of the webGUI configuration page and Wi-Fi connection password, please check the label on the router. • If you changed the password and forgot the new password, you need to restore the router to the factory default settings.

For more assistance, please:

- Sending an E-mail to **mobile@zte.com.cn**
- Visiting **www.ztedevice.com**
- Calling the service hotline **+86-755-26779999**