MF286R

Let's go

Getting started with your device.

LEGAL INFORMATION

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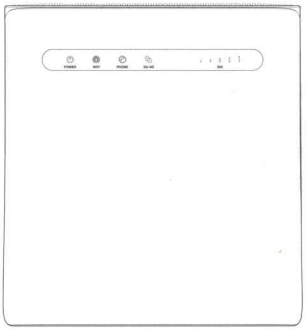
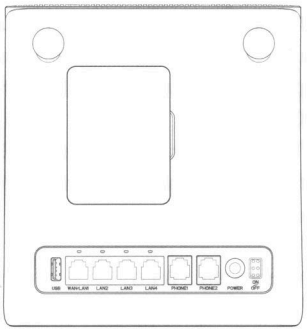
Version No. : R1.0

Getting to Know Your Device

External View





NOTE:

Please use the original external antenna if necessary.

Indicators

Indicator	State	Description
POWER	Blue on	Power is on and external power supply is working normally.
	Off	Power is off or external power supply is working abnormally.
WIFI	Blue on	Wi-Fi works normally with no data transmission.
	Blue Blinking	Wi-Fi works normally with data transmission.
	Off	Wi-Fi works abnormally or the Wi-Fi function is disabled.
PHONE	Off	The phone is not in use.
	Blue Blinking	The phone is ringing.
	Blue on	The phone is in calling.

Indicator	State	Description
3G/4G	Red	The device is turned on but not registered to the mobile network. No (U)SIM card is inserted or there is no network service available.
	Blue Blinking	The device is connected to the LTE network and data is being transferred.
	Blue Solid	The device is registered to the LTE network.
	Green Blinking	The device is connected to the 2G/3G network and data is being transferred.
	Green Solid	The device is registered to the 2G/3G network.
SIG	Blue on	Signal level panel. Strength is from weak to strong.
	Off	There is no signal or no (U)SIM card is inserted.

NOTE:

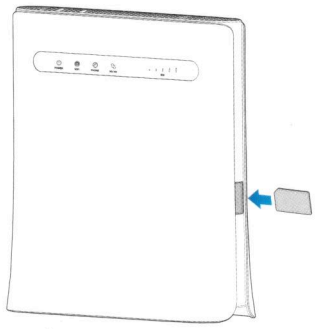
The phone function needs the network support.

Buttons

Button	Description
RESET	Press and hold for about 3 seconds to restore factory default configurations.
WLAN	Press to turn off/on the Wi-Fi function.
WPS	• Press to activate the WPS function. • Press to wake device up.

Installing the (U)SIM card (optional)

Hold the (U)SIM card with the cut corner oriented as shown and slip it into the card slot until you hear a click.



WARNINGS!

- Before installing the (U)SIM card, power off your device and remove the external power adapter.
- Your device does not support micro-SIM and nano-SIM card or any other nonstandard (U)SIM cards. To avoid device damage, please do not use them or any card holders.

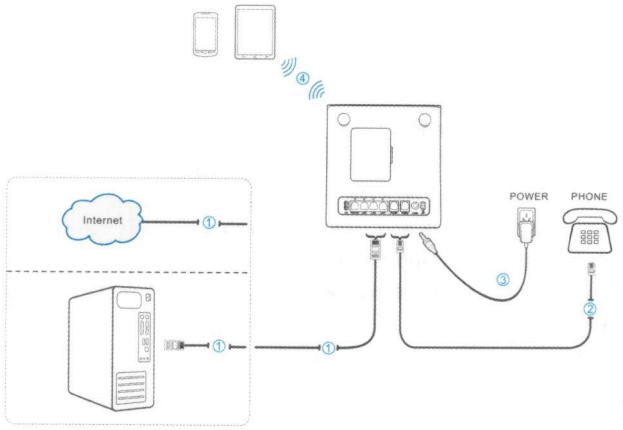
Getting Started With Your Device

Connecting Your Device

Follow the number to connect your device.

If you select a different operation mode, the connection of the LAN po will be different. Please refer to the chapter “Accessing the Internet”.

If you want to use the mobile network to connect to the Internet or use your home phone, you need to insert your (U)SIM card first.



Starting Your Device

CAUTION:

Your device must be placed in a well-ventilated environment. Do not cover the device.

Slide the **on/off** switch to start your device. After the device is initialized, make sure the LED indicators are in normal status.

NOTE:

After your device is powered off, if you are called, the caller will hear a prompt tone like "The subscriber you are dialing cannot be reached now."

Configuring Your PC

The following procedure describes how to configure the Internet Protocol in Windows for your Wi-Fi connection.

1. Right-click **Network** and select **Properties**.
2. Select **Change adapter settings**.
3. Right-click **Wireless Network Connection** and select **Properties**.

NOTE:

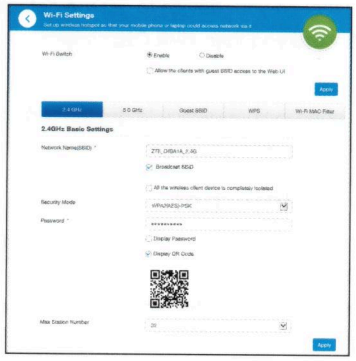
If you use a network cable to connect your PC to your device, you need to right-click **Local Area Connection** and select **Properties**.

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

Wireless Connection

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

1. Make sure that the Wi-Fi works normally. Please check the Wi-Fi Setting on the 4G CPE page or check the WIFI indicator.



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

NOTE:

Please set the client to obtain an IP address automatically, and the client will get an IP address like "192.168.0.101". For the detailed procedure, refer to *Configuring Your PC*.

3. Select the SSID (Wi-Fi name) of your device, and then click **Connect**.

NOTE:

Please check the label on your device to get the default SSID.

4. Enter the password and then click **OK**.

NOTE:

Please check the label on your device to get the default password.

5. Wait until the client device is connected to your device successfully.

Accessing the Internet

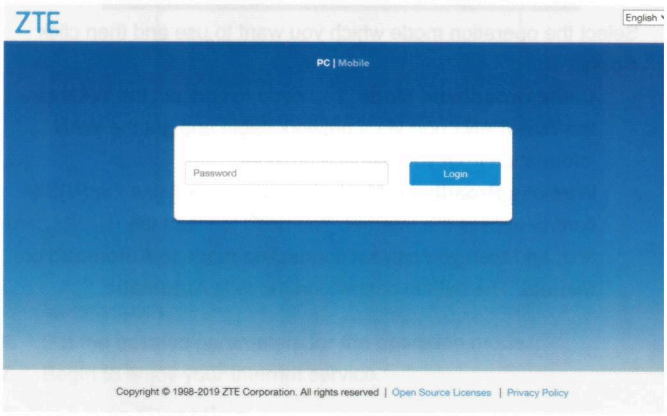
Before accessing the Internet, please make sure that the following operations are finished.

- Your device is connected to the terminal device via a network cable or Wi-Fi.

- The terminal device is set to obtain an IP address automatically.

To access the Internet:

1. Launch the Internet browser and enter http://192.168.0.1 in the address bar. The login page appears.

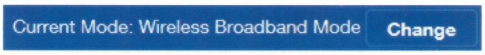


2. Input the password and then click **Login**.

NOTE:

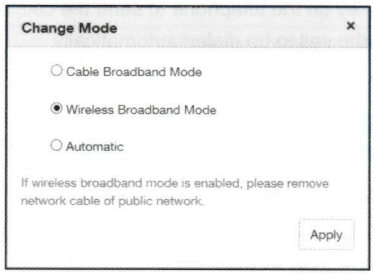
View the label on your device to get the default password.

3. View the Privacy Policy information and click **AGREE** when you log in to the configuration page for the first time.
4. View the current mode and click **Change**.



5. Select the operation mode which you want to use and then click **Apply**.
   - **Cable Broadband Mode**: You need to connect the WAN to the WAN/LAN1 port via a network cable and get the WAN information from your service provider.
   - **Wireless Broadband Mode**: Your device will use the (U)SIM card to access the Internet. You need to insert the (U)SIM card first, and then you can set connection mode to **Automatic** or **Manual**. The default connection mode is **Automatic**.

- **Automatic**: In this mode, your device will choose the operatic mode automatically.



NOTE:

If you change the operation mode, the device will be restarted automatically.

6. Set the detailed parameters for the operation mode.
7. Begin to enjoy your Internet service.

Telephone Function

Your device supports the telephone function. Before using the telephon function, connect the telephone and insert the (U)SIM card.

To make a call:

1. Pick up the handset.
2. Key in the telephone number.
3. Press the **#** key on the telephone to send the call, or wait 4□8 seconds for the call to be dialed automatically.

NOTE:

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

WPS Function

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

1. Power on your device, and start the WPS function.
2. Press the WPS button on your device to activate the WPS function.
3. Enable the WPS function on your client. Follow the system prompts on your client to finish the connection.

NOTE:

For detailed operations on the client, refer to the corresponding product instructions.

Troubleshooting

Voice Related Problems

Symptoms	Possible Problems/ Solutions
There is no dial tone.	• Please wait for 1~2 minutes after the router is turned on. • If signal strength is weak, you have no good RF reception. Change the locatior 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 entere 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 your device • 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 the hook and try agair • Please contact with your servicer provider.
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.

Internet Related Problems

Symptoms	Possible Problems/ Solutions
I cannot access the Internet at all.	• Please check your configuration settings. • Please wait 1~ 2 minutes for the router to initialize. • Check your service 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 4G CPE page.	• Enter the correct address. The default address is http://192.168.0.1. • 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.	• 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.

Others

Symptoms	Possible Problems/ Solutions
About the password	• For the Wi-Fi connection password, please check the label on the device. • For the 4G CPE page password, please check the label on the device. • If you changed the password and forgot the new password, you need to restore the device to the factory default settings.

Warning and Notice

Safety Precautions

- Some electronic devices 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 devices like hearing aids and pacemakers. Consult a physician or the manufacturer of the medical device 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 device.
- The device 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 devices.
- 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.
- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

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°C ~ +55°C, and the storage temperature range is -40°C ~ +70°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 particular purpose, unless otherwise required under the mandator 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 damage including, but not limited to lost profits, interruption of business, cost of capital, cost of substitute facilities or product, or any downtime cost.

For more assistance, please:

- Send E-mail to **mobile@zte.com.cn**
- Visit **www.ztedevices.com**

RF Exposure

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Specification

EUT supports radios application	GSM 900/1800 WCDMA Band 1/8 FDD LTE Band 1/3/7/8/20/28/38 802.11a/b/g/n/ac
	GSM Version Rel.99 WCDMA Version Rel.9 LTE Version Rel.10

Maximum RF output power	GSM 900: 33.15dBm GSM 1800:29.75dBm WCDMA Band 1:21.06 dBm WCDMA Band 8:22.31 dBm LTE Band 1:22.57dBm LTE Band 3: 22.57 dBm LTE Band 7: 22.53 dBm LTE Band 8: 22.74dBm LTE Band 20: 22.78dBm LTE Band 28: 22.50dBm LTE Band 38: 22.93 dBm 802.11b/g/n: 17.8 dBm(EIPR) 802.11 a/ac : 16.8 dBm(EIRP)

CE Caution

Proper Use

As described in this guide, your device can be used only in right location. If possible, please do not touch the antenna area on your device.

Disposal of Your Old Appliance

1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2012/19/EU.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

For this product's recycling information based on WEEE directive, please send an e-mail to weee@zte.com.cn

EU DECLARATION OF CONFORMITY

CE

Hereby, ZTE Corporation declares that the radio equipment type ZTE MF286R is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following Internet address: https://certification.ztedevices.com

The device is restricted to indoor use only when operating in the 5150 5350 MHz frequency range.

AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK(NI