

MF25A
Wireless Router
Quick Start

LEGAL INFORMATION

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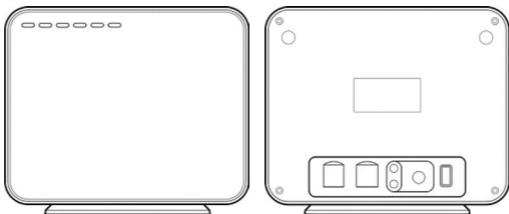
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Material code: 079584506888

Release date: October 22, 2014

Getting to Know Your MF25A

External View



 **NOTE:**

Please use the original external antenna if necessary.

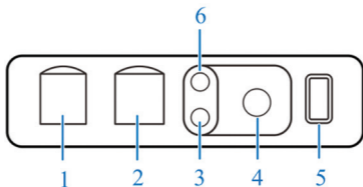
LED Indicators

Indicator	State	Description
POWER	ON	External power supply working normally.
	OFF	External power supply is disconnected or power off.

Indicator	State	Description
WIFI	ON	Wi-Fi works normally with no data transmission.
	Blinking	Wi-Fi works normally with data transmission.
	OFF	Wi-Fi works abnormally, or Wi-Fi shut down.
PHONE	OFF	Local phone hang up.
	Blinking	On dialing, or there is an incoming call and the phone is ringing.
	ON	Local phone calling.
PPP	ON	WAN connection established (PDP activated)
	Blinking	WAN connection establishing (PDP activating)
	OFF	WAN connection not established (PDP not activated).

Indicator	State	Description
2G/3G	ON	RF signal is normal (RSSI \geq -90dBm). Different color indicates different network. Red: GSM/GPRS/EDGE. Green: HSDPA/HSUPA/UMTS.
	Blinking	RF signal is poor (-100dBm \leq RSSI $<$ -90dBm). Different color indicates different network. Red: GSM/GPRS/EDGE. Green: HSDPA/HSUPA/UMTS.
	OFF	RF signal is not available (RSSI $<$ -100dBm) or there is no (U)SIM card inserted.
LAN	ON	The corresponding LAN port is connected.
	Blinking	The corresponding LAN port is connected with data transmission.
	Off	No network cable connected.

Interface Description



1. Phone	Standard RJ11 connector for Telephone.
2. Lan	Ethernet connections to computer.
3. Reset	To restore factory default configurations.
4. Power Socket	Connector to the external power supply.
5. On/Off	Turn the router on or off.
6. WPS button	WPS button is used to start Wi-Fi Protected Setup authentication process

Getting Started with Your Device

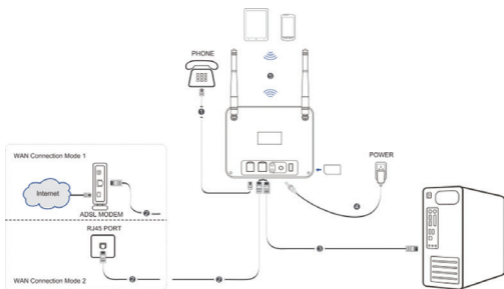
Connecting Your Device

Follow the steps in the following figure to connect your device.

If you select a different operation mode, the connection of the LAN port is 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.

WARNING!

- Before installing the (U)SIM card, power off the MF25A 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.



Starting your router

CAUTION:

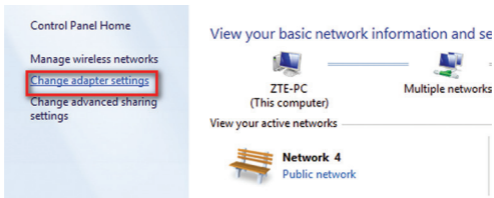
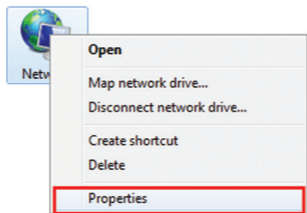
The router must be placed in a well ventilated environment. Do not cover the device.

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

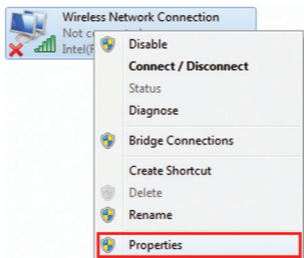
Configuring Your PC

The following takes the Windows OS as an example to describes how to configure the Internet protocol so that your PC can obtain an IP address automatically.

1. Right-click **Network** and select **Properties**, and then select **Change adapter settings**.

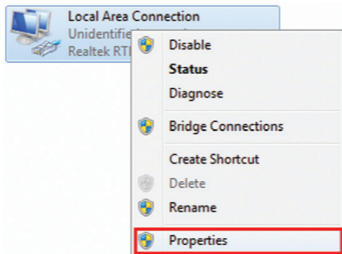


2. Right-click the **Wireless Network Connection** icon, and then select **Properties**.

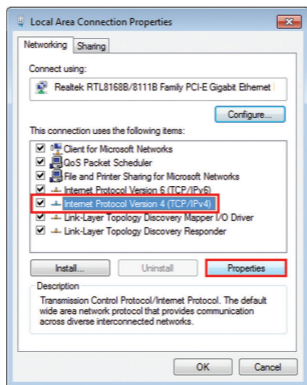


 **NOTE:**

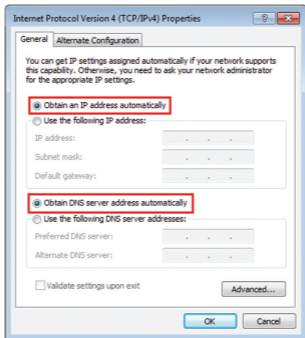
If the PC connects to MF25A through a network cable, right-click **Local Area Connection** and select **Properties**.



3. Select **Internet Protocol Version (TCP/IPv4)**, and then click **Properties**.

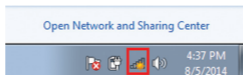
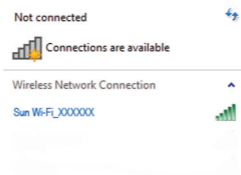



4. Select the two items indicated in the following figures, and then click **OK** to finish the configuration.



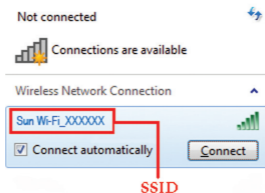
Wireless Connection (Optional)

1. Make sure that the WLAN operates properly. Check the Wi-Fi Setting on the WebGUI Configuration page or check the Wi-Fi indicator.
2. Use your normal Wi-Fi application on the client to search for the available wireless networks.



 **NOTE:** Set the client to obtain an IP address automatically, and the client will get an IP address like "192.168.0.101". For details, refer to [Configuring Your PC](#).

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



[Open Network and Sharing Center](#)

 **NOTE:**

Check the label on your device to get the default SSID.

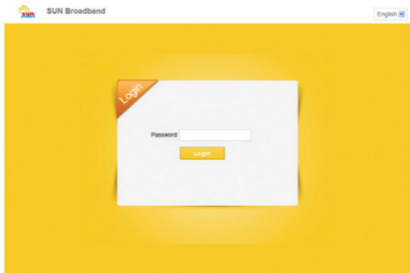
4. Your router don't have Wi-Fi connection password, it will keep turn on.

Using Your Device

Accessing the Internet

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

- The MF25A is connected to the terminal device via a network cable or Wi-Fi.
 - The terminal device is set to obtain an IP address automatically.
1. Open the browser of the terminal device, and enter `http://192.168.0.1` on the address bar. The login page is displayed as follows:



2. Enter the password (default: **admin**), and click **Login**.
3. Select the Operation Mode.

Your device supports three operation modes:

- **Bridge:** In this mode, your device is similar to a bridge to connect the client and Internet.
- **Cable Broadband:** This mode applies to cable broadband connection. It enables clients to share the cable broadband to access the Internet.
- **Wireless Broadband:** This mode applies to the 3G network access mode provided by the mobile operator.



4. Set the detail parameters for the operation mode.

- **Bridge Mode**

You need to connect the WAN to the LAN port via Ethernet cable and set the clients to obtain the IP address automatically. Your clients can obtain the IP address from the WAN DHCP host and connect to the Internet directly.



If you want to change the operation mode, you need to set the client a fixed IP address between 192.168.0.100 and 192.168.0.200, and then log in the 4G CPE page to change it.

- **Cable Broadband Mode**

In this mode, you can only use Wi-Fi to connect to your device.

You need to connect the WAN to the LAN port via an Ethernet cable and select the WAN Connection Mode.

There are three cable broadband modes: PPPoE, Static and DHCP.

- ▶ In PPPoE mode, enter the User Name and Password and then set the WAN Connection Mode.



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

Current mode: Cable Broadband Change English Login

Home Information SMS Phonebook **Settings**

Network Settings
Wi-Fi Settings
Device Settings
Firewall
Router Settings

Dial-up Settings

WAN Connection Mode: PPPoE

PPPoE

User Name * poeuser
Password * *****

WAN Connection Mode: Auto Connect
 Manual Connect

Connect

- ▶ In **Static** mode, enter the static address.



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

Current mode: Cable Broadband Change English Login

Home Information SMS Phonebook **Settings**

Network Settings
Wi-Fi Settings
Device Settings
Firewall
Router Settings

Dial-up Settings

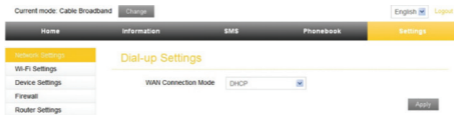
WAN Connection Mode: Static

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

- ▶ In **DHCP mode**, no configuration is required.



- **Wireless Broadband Mode**

Connect a PC or laptop to LAN and access the Internet.



Use the terminal to access the Internet.

Telephone Function

The MF25A supports the telephone function of the mobile operator. Before using the telephone function, connect the telephone and insert the (U)SIM card.

1. Pick up the handset.
2. Key in the telephone number. Wait for the call to be connected.



NOTE:

If there is no 3G indication, the radio signal is unavailable. Change the location of the device and make sure nothing is blocking it.

WPS Function

The MF25A supports the WPS function. You can use this function to connect the client to the MF25A.

1. Power on the MF25A, and start the WPS function.
2. Press the WPS button on the MF25A 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

Symptom	Solution
No dial tone	<ul style="list-style-type: none">• Please wait for 1~2 minutes after the router is powered on.• If the mobile signal strength LED indicator is blinking, move the MF25A to a place with strong signals.
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 for three consecutive times, you will need to enter the PUK code when prompted.

Symptom	Solution
The line is noisy/ distorted as soon as I lift the phone off the hook.	<ul style="list-style-type: none"> • Remove any electrical appliance which is too close to the phone or the MF25A. • 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 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.
When the data connection is used to access the Internet, I cannot dial or receive calls.	If a 2G (GSM) network is used, data connection and voice conversation cannot be implemented at the same time. In this case, disconnect the Internet connection, and make a call after 30 seconds to one minute.

Internet Related Problems

Symptom	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 service indicator LED's.
The download or upload speeds are very slow.	<ul style="list-style-type: none">• The speed is dependent on signal strength. Check your signal strength and network type.
I cannot visit the webGUI configuration page.	<ul style="list-style-type: none">• 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.

Symptom	Solution
<p>Cannot establish the Wi-Fi connection between your device and client.</p>	<ul style="list-style-type: none"> • Make sure the Wi-Fi function is active. • Refresh the 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.

Others

Symptom	Solution
<p>The signal strength indicator is always blinking or does not light.</p>	<ul style="list-style-type: none"> • This indicates poor reception. Try moving the router to another location near the window.

Symptom	Solution
About the password	<ul style="list-style-type: none">• For the Wi-Fi connection password, please check the label on the device.• The default password of the webGUI configuration page is admin.• If you changed the password and forgot the new password, you need to restore the device to the factory default settings.

How to Get in Touch

Get assistance in the following ways:

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

Safety Precautions

- Some electronic devices may be susceptible to electromagnetic interference. Move the router away from the TV set, radio and other electronic equipment to avoid electromagnetic interference.
- Please keep yourself at least 20 centimeters away from the router.
- 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.
- 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.
- Put the router in a place with good ventilation. To avoid device failure due to improper heat dissipation, do not wrap or cover the router.

- Do not expose the router to direct sunlight.
- Do not allow children to play with the router or charger.
- 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.
- Use an antistatic soft cloth to clean the router. Do not use cleanser with chemical or corrosive properties. Power off the router before cleaning.
- The recommended environment temperature is -10°C to +55°C, and the humidity is 5% to 95%.
- Do not use the router during thunder storms. Unplug the router power connector from the socket.
- Do not take out the (U)SIM card when the router is in use. The generated static electricity may damage the card or lead to information loss.

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.

Emergency Call

- Because of the particularity of wireless networks, emergency calls may not be connected through your router.
- Your router can dial the emergency call number only when the power and network coverage are normal.

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