# MF253V Let's go

Getting started with your device

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Version No. : R1.0 Edition Time: March 4, 2019

# **Getting to Know Your Device**

## Appearance





# **NOTE:**

Please use the original external antenna if necessary.

# Interface Description



USB jack	Insert the device to USB interface.	
LAN	<ul> <li>Ethernet connections to computer in Wireless Broadband mode.</li> <li>Connect to the Internet in Cable Broadband mode.</li> </ul>	
Phone	Standard RJ11 connector for telephone.	
Reset	Restore factory default configurations.	
WPS button	Start Wi-Fi Protected Setup authentication process.	
Power socket	Connector to the external power supply.	
On/Off	Turn the router on or off.	

# Indicators

Indicator	State	Description
	Blue on	Power is on and external power supply is working normally.
POWER U	Off	Power is off or external power supply is working abnormally.
	Blue on	Wi-Fi works normally with no data transmission.
WIFI <b>P</b>	Blue blinking	Wi-Fi works normally with data transmission.
	Off	Wi-Fi works abnormally or the Wi-Fi function is disabled.
	Off	The phone is not in use.
PHONE 🗭	Blue blinking	The phone is ringing.
	Blue on	The phone is in calling.
	Blue on	Signal strength is very good or good.
sig <b>Y</b> ill	Blue blinking	Signal strength is weak.
	Off	There is no signal.
	Red	The device is turned on but not registered to the mobile network.
	Blue blinking	The device is connected to the 4G/LTE network and data is being transferred.
2G/3G/4G <b>1</b>	Blue solid	The device is registered to the 4G/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.
	Green on	The LAN port is connected.
	Green blinking	The LAN port is connected with data

Indicator	State	Description
		transmission.
LAN 🛅	Off	The network cable is not connected.

# **NOTE:**

The phone function needs the network support.

# **Connecting Your Device**

Follow the picture to connect your device.

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 insert your (U)SIM card first.

## **CAUTION:**

Put your device at least 2 meters away from the connected phone, TV sets, radio and other electronic devices to avoid electromagnetic interference.



# **Configuring Your PC**

The following procedure describes how to configure the Internet Protocol in the Windows 7 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.



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.



# Accessing the Internet

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

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

#### To access the Internet:

Log in the CPE configuration page.

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

ZTE		English 💌
	Login	
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- 2. Input the password and then click Login. The default password is admin.
- 3. View the current mode on the left top of the CPE configuration page, and then click **Change**.

Current Mode: Wireless Broadband Mode Change

4. Select an operation mode which you want to use and then click **Apply**.

Change Mode		
O Cable Broadband Mode		
Wireless Broadband Mode		
<ul> <li>Automatic</li> </ul>		
If wireless broadband mode is enabled, please re		

×

Apply

If wireless broadband mode is enabled, please remove network cable of public network.



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

5. Set the detail parameters for the operation mode.

# **Voice Function**

#### Making a Call

You can make a call through (U)SIM card.

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

The call will be connected.

# 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.

#### 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.

# **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 enable the Wi-Fi function on your device.
- 2. Enable the WPS function. Please check the WPS Setting on the CPE Configuration Page.
- 3. Press the WPS button on your device 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.

# **Wireless Connection (Optional)**

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

1. Make sure that the Wi-Fi works normal. Please check the Wi-Fi Setting on the CPE configuration page or check the Wi-Fi indicator.

<	Wi-Fi Settings Set up wireless hotspot so that your mobile phone or laptop could access network via it			
				$\overline{\mathbf{i}}$
	Wi-Fi Switch	<ul> <li>Enable</li> </ul>	O Disable	
	Multi SSID Switch	C Enable	<ul> <li>Disable</li> </ul>	
				Appiy
	Main SSID	Guest SSID	WPS	Advanced Settings
	Network Name(SSID) *	ZTE_88D544		
		V Broadcast SSIE	)	
		All the wireless of	client device is completely isolate	d
	Security Mode	WPA2(AES)-PSH	<	<b>*</b>
	Password *	••••••		
		Display Passwor	rd	
	Max Station Number	32		<b>~</b>
				Apply

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



Set the client to obtain an IP address automatically. For the detailed procedure, refer to Configuring Your PC. The client gets an IP address, for example, 192.168.0.101.

3. Select the SSID (wireless network name) of your device, and then click Connect.

# **NOTE:**

You can find the default SSID on the label of your device.

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

# **NOTE:**

You may need to enter the password for the Wi-Fi connection. You can view the label on your device to get the default password.

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

# Troubleshooting

#### **Voice Related Problems**

Symptoms	Possible Problems/ Solutions
No dial tone	<ul> <li>Please wait for 1~2 minutes after the device is turned on.</li> <li>If signal LED light is blinking, you have no good radio reception. Change the location of the device.</li> </ul>
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.	<ul> <li>Remove any electrical appliance which is too close to the phone or your device.</li> <li>The cable or phone set might be faulty. Please check the connection.</li> </ul>
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.

#### **Internet Related Problems**

Symptoms	Possible Problems/ Solutions
I cannot access the Internet at all.	• Please check your configuration settings.

Symptoms	Possible Problems/ Solutions
	<ul> <li>Please wait 1~2 minutes for the router to initialize.</li> <li>Check your service indicators.</li> </ul>
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 Configuration Page.	<ul> <li>Enter the correct address. The default address is <u>http://192.168.0.1</u>.</li> <li>Only use one network adapter in your PC.</li> <li>Do not use any proxy server.</li> </ul>
I cannot establish the Wi-Fi connection between my device and the client.	<ul> <li>Make sure the Wi-Fi function is active.</li> <li>Refresh network list and select the correct SSID.</li> <li>Check the IP address to make sure your client can obtain an IP address automatically in the Internet protocol (TCP/IP) properties.</li> <li>Type the correct network key (Wi-Fi password) when you connect to the device.</li> </ul>

#### Others

Symptoms	Possible Problems/ Solutions
The 3G/4G signal indicator is always blinking or does not light.	• This indicates poor reception. Try moving the device to another location near the window.
About the password	<ul> <li>For the Wi-Fi connection password, please check the label on the device.</li> <li>The default password of the CPE Configuration Page is admin.</li> <li>If you changed the password and forgot the new password, you need to restore the device to the factory default settings.</li> </ul>

For more assistance, please:

- Send email to mobile@zte.com.cn
- Visit www.ztedevices.com

#### 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  $-10^{\circ}$ C ~  $+55^{\circ}$ C, and the storage temperature range is  $-40^{\circ}$ C ~  $+70^{\circ}$ 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**

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

#### Specification

This radio equipment operates with the following frequency bands and maximum radio-frequency power.



All ZTE products are compliant with these power limits required by the European Union. Frequency bands supported by the product vary by model.

GSM 900: 32 dBm GSM 1800: 29.5 dBm UMTS BAND1: 22.5dBm UMTS BAND8: 23 dBm LTE BAND 1/3/7/38: 22dBm LTE BAND 8/20: 23dBm 802.11a/b/g/n: 2.4GHz Band < 20 dBm

## Declaration of RoHS Compliance

To minimize the environmental impacts and take more responsibilities to the earth we live on, this document shall serve as a formal declaration that **ZTE MF253V** manufactured by ZTE CORPORATION is in compliance with the Directive 2011/65/EU of the European Parliament - RoHS (Restriction of Hazardous Substances) with respect to the following substances:

- 1. Lead (Pb)
- 2. Mercury (Hg)
- 3. Cadmium (Cd)
- 4. Hexavalent Chromium (Cr (VI))
- 5. Polybrominated biphenyls (PBBs)
- 6. Polybrominated diphenyl ethers (PBDEs)

ZTE MF253V manufactured by ZTE CORPORATION meets the requirements of Directive 2011/65/EU.

### 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 ZTE MF253V is in compliance with Directive 2014/53/EU.

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