

# MF971V

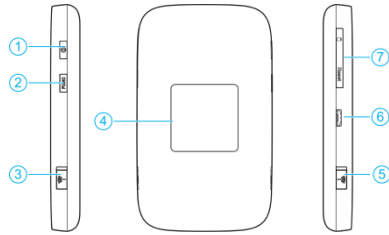
## Quick Start Guide

ZTE CORPORATION  
NO. 55, Hi-tech Road South, Shenzhen, P.R.China  
Postcode: 518057  
FCC ID: SRQ-ZTE-MF971V

## Getting to Know Your Device

### Appearance

The following figure is for your reference only.









1. Power key
2. FUNC key
3. External antenna connector
4. LCD screen
5. External antenna connector
6. Charging/micro-USB jack
7. micro-SIM card slot cover and reset hole

## Getting to Know Your Device

### Indicators

When the device is powered on, the following icons may be displayed on the LCD screen. For a description of the icons, refer to the following table.

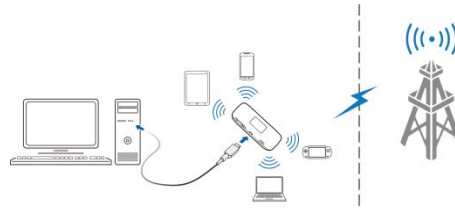
Icon	Description
	Network signal strength
4G / 3G / 2G	Network type
	The user is in roaming status.
	Connected to the Internet.
	Connected to the Internet in the Internet Wi-Fi mode.
	New message(s)
	Wi-Fi status and the number of connected users

## Getting to Know Your Device

### Connection Scenarios

The device can access the Internet in two ways and it allows multiple clients to surf on the Internet at the same time. The following figures are for your reference only.

- **4G Mode:** A micro-SIM card can be used to access the Internet.



- **Internet Wi-Fi Mode:** Your device can be connected to a WLAN device (such as a hotspot device or wireless router) through Wi-Fi to access the Internet. The WLAN device must be already connected to the Internet.

 **NOTE:**

Your device and the WLAN device must be in different subnets.



## Installing the micro-SIM Card

---

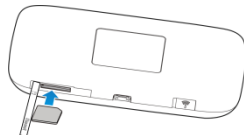
1. Open the micro-SIM card slot cover, and install a micro-SIM card to the micro-SIM card slot.

 **NOTE:**

Do not remove the cover rudely, because it is connected with the device.

 **WARNING!**

To avoid damage to the device, do not use any other kind of SIM cards, or any non-standard micro-SIM card cut from a SIM card. You can get a standard micro-SIM card from your service provider.



2. Close the micro-SIM card slot cover.

## Connecting to Your Device

---

### Using Wi-Fi

1. Power on your device.
2. Ensure that your computer or other client devices have enabled Wi-Fi, and search for available wireless networks.

 **NOTE:**

Refer to your Wi-Fi enabled client device manual for further details on how to search for wireless networks. If you use a computer, you need to set your computer to obtain an IP address automatically.

3. Select the Wi-Fi name (SSID) of your device, and click **Connect**.
4. Enter the Wi-Fi password if necessary, and click **OK**.

 **NOTE:**

Refer to the chapter *Getting to Know the Wi-Fi SSID and Password* to get the default Wi-Fi SSID and password.

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

### Using a USB Cable

1. Connect a computer to your device with a USB cable.
2. Power on your device. The operating system detects and identifies new hardware, and automatically installs the hardware.

 **NOTE:**

If the system does not automatically launch installation, you can Double-click the device installation icon in **My Computer** to install the software.

3. Wait until the computer is connected to your device successfully.

## Getting to Know the Wi-Fi SSID and Password

---

You can use the following methods to get the default Wi-Fi SSID and password.

- View the label on the device.
- Press the **FUNC** key to access the options menu. Select **Device Info** and the Wi-Fi SSID and password are displayed on the screen.

## Logging in to the 4G Mobile Hotspot Configuration Page

---

1. Ensure that the connection between your device and the client device is correct.
2. Launch the Internet browser and enter **http://192.168.0.1** or **http://ufi.ztedevice.com** in the address bar.
3. Enter the password to log in to the 4G Mobile Hotspot configuration page.

 **NOTE:** The default password is **admin**.




## Changing the Wi-Fi SSID or Password

---

1. Log in to the 4G Mobile Hotspot configuration page.
2. Select **Settings** below **Wi-Fi** and then click **Main SSID**.
3. Change the **Network Name (SSID)** or the **Password** in the Main SSID area.
4. Click **Apply**.

### 4G Mode

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

Mode	Operation
Automatic	Your device is automatically connected to the Internet, and you can surf on the Internet through the client.
Manual	<ol style="list-style-type: none"><li>1. Log in to the 4G Mobile Hotspot configuration page.</li><li>2. Select <b>Settings &gt; Connection Mode &gt; Manual</b>, and then click <b>Apply</b>.</li><li>3. Click  to back to the home page, and click  or .</li></ol> <p>You can also press the <b>FUNC</b> key and select <b>Data Connection</b>. Select <b>Yes</b> or <b>No</b>.</p>

 **NOTE:**

To modify the parameters of your device, log in to the 4G Mobile Hotspot configuration page.

## Internet Wi-Fi Mode

1. Log in to the 4G Mobile Hotspot configuration page.
2. Select **Settings** below **Wi-Fi** and then click **Internet Wi-Fi**.
3. Set the **Internet Wi-Fi Switch** as **Enable** and then click **Apply**.
4. Set the **Preferred Network** as **Wi-Fi** and then click **Apply**.



The screenshot shows the 'Internet Wi-Fi' configuration page. It has two sections: 'Internet Wi-Fi Switch' with 'Enable' selected (radio button) and 'Disable' unselected; and 'Preferred Network' with 'Wi-Fi' selected (radio button) and 'WWAN' unselected. An 'Apply' button is located at the bottom right.

5. Connect to the Wi-Fi hotspot.

The following two methods are for your reference.

- Select a Wi-Fi hotspot listed in the Wi-Fi Hotspot area and click **Connect**. Enter a password in the **Password** text box and click **Yes**.



The screenshot shows the 'Wi-Fi Hotspot' list. At the top are three tabs: 'Scan', 'Add Network', and 'Edit Network'. Below the tabs is a list of two hotspots. The first hotspot is named 'TFLINK\_ZTE' with the password '109HJ.P5KX0HFA2.P5K' and a 'Connect' button. The second hotspot is named 'ZTE' with the password '10FA2.P5K' and a 'Connect' button.

- Click **Add Network**, enter the Wi-Fi hotspot information in the Add Wi-Fi Hotspot area, and click **Apply**. Click the Wi-Fi hotspot you have added and then click **Connect**.

Add Wi-Fi Hotspot

Network Name(SSID) \*

Security Mode

Encryption Type

Cancel Apply

After the client device is connected to the Wi-Fi hotspot successfully, you can access the Internet.

## Using the FUNC Key

---

- When the screen is off:  
Press the **FUNC** key to turn on the screen.
- When the screen is on:  
Press the **FUNC** key to access the options menu. You can connect or disconnect with the Internet, view device information or Wi-Fi QR code, activate WPS function, enable/disable global roaming or quick boot function without logging in to the 4G Mobile Hotspot Configuration Page.

## Configuring Your PC

---

The following 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**.

### To the Owner

- If inadequately shielded, some electronic devices, for example, the electronic system of vehicles, may be affected by the electromagnetic interference caused by the device. Consult the manufacturers of such devices before using the device if necessary.
- Operating the device may interfere with medical instruments such as hearing aids and pacemakers. Always keep the device more than 20 centimeters away from such medical instruments when your device is powered on. Power off the device if necessary. Consult a physician or the manufacturers of medical instruments before using the device if necessary.
- Be aware of the usage limitation when using the device at places such as oil warehouses or chemical factories, where there are explosive gases or explosive products being processed. Power off the device if necessary.
- Do not use electronic transmission devices in aircrafts, at petrol stations or in hospitals. Observe and obey all warning signs, and power off the device in these conditions.
- Do not touch the inner antenna area unless necessary. Otherwise the performance of the device may be affected.
- Do not use the device in an enclosed environment or where heat dissipation is poor. Prolonged work in such space may cause excessive heat and raise ambient temperature, which may lead to automatic shutdown of the device for your safety. In the case of such event, cool the device in a well-ventilated place before turning on for normal use.
- Keep the device out of the reach of small children. The device may cause an injury if used as a toy.

- When the device is operating, do not touch the metallic parts. Failing to do so may cause burns.

#### **To the Users**

- Use original accessories or accessories that are authorized. Using any unauthorized accessories may affect the performance of the device and violate the related national regulations about telecom terminals.
- Avoid using the device near or inside metallic constructions or establishments that can emit electromagnetic waves, because signal reception may be affected.
- The device is not waterproof. Keep the device dry and store it in a shady and cool place.
- Do not use the device immediately after a sudden temperature change, because dew may be generated inside and outside the device. Do not use it until it becomes dry.
- Handle the device carefully. Do not drop, bend or strike it. Otherwise the device may be damaged.
- Only qualified personnel can dismantle and repair the device.
- The humidity between 5% and 95% is recommended.
- Do not connect the charger while using the device for a long period. Failing to do so will trigger the protection mechanism of the battery, and the battery will not be charged. If you want to charge the battery, please reconnect the charger.
- Do not connect the charger while using the device for a long period or use the device and battery in non-operating temperature. Failing to do so will shorten battery life or cause battery swelling or leakage. If the battery shows signs of swelling or leakage, please stop use immediately.
- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

## Using Battery



### WARNING!

The battery is not removable. Removal may cause fire or explosion.

- Using ZTE-unapproved or incompatible battery, charger or power adapter may damage your device, shorten its lifespan or cause a fire, explosion or other hazards.
- The recommended operating temperatures are -10 °C to 55 °C and the storage temperatures are -20 °C to +60 °C. Extreme temperatures can damage the device and reduce the charging capacity and lifespan of your device and battery.
- Do not change or replace the built-in rechargeable battery in your device by yourself. The battery can only be changed or replaced by ZTE or ZTE authorized service provider.
- Do not place the device or the battery in or near heating equipment, such as microwave ovens, stoves or radiators. Keep the device and the battery away from excessive heat and direct sunlight. If not, the device or the battery may overheat and cause explosion or fire.
- Do not disassemble, squeeze or puncture the device, as this can cause explosion or fire.
- Do not throw the device into a fire to avoid explosion.
- Please disconnect the charger when the battery is fully charged. Overcharging may shorten the battery life.
- When not using the device for a long period, please charge the battery about half and then store the device in a cool dry place.
- If the battery damages or shows signs of swelling or leakage, please stop use immediately and contact ZTE or ZTE

authorized service provider for replacement.

### **Limited Warranty**

This warranty does not apply to defects or errors in the product caused by:

- i. Reasonable abrasion.
- ii. End users' failure to follow ZTE's installation, operation or maintenance instructions or procedures.
- iii. End users' mishandling, misuse, negligence, or improper installation, disassembly, storage, servicing or operation of the product.
- iv. Modifications or repairs not provided by ZTE or a ZTE-certified individual.
- v. Power failures, surges, fire, flood, accidents, and 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 if such defects are due to the combined usage.
- vii. Any other cause beyond the range of normal usage intended for the product.

End users 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 users' 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, no matter 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.

## LEGAL INFORMATION

---

Copyright © 2019 ZTE CORPORATION.

All rights reserved.

No part of this publication may be excerpted, reproduced, translated or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without the prior written permission of ZTE Corporation.

The manual is published by ZTE Corporation. We reserve the right to make modifications on print errors or update specifications without prior notice.

**Version No.:** R1.0

**Edition Time:** May 27, 2019

**Manual No.:**

Problem	Recommended Action
The connection between your device and a PC through a USB cable cannot be established.	<ul style="list-style-type: none"><li>● Install the software manually. Run the installation program in the path of <b>My Computer</b>.</li><li>● If the driver of your device is abnormal, reinstall the software. You need to uninstall the software first.</li></ul>
The connection between your device and a client through Wi-Fi cannot be established.	<ul style="list-style-type: none"><li>● Ensure that the Wi-Fi function is enabled.</li><li>● Refresh the network list and select the correct SSID.</li><li>● Check the IP address, and ensure that your client can automatically obtain an IP address.</li><li>● Enter the correct network key (Wi-Fi password) when you connect the client to your device.</li></ul>

Problem	Recommended Action
The client connected to the device cannot access the Internet.	<ul style="list-style-type: none"><li>● Ensure that your micro-SIM card is available.</li><li>● Change the location and find a place with good signal.</li><li>● Check the settings of the WAN connection mode.</li><li>● Contact your service provider and confirm your APN settings.</li></ul>
The client cannot access the Internet in Internet Wi-Fi mode.	<ul style="list-style-type: none"><li>● Ensure that the WLAN device has already been connected to the Internet.</li><li>● Ensure that your device and the WLAN device are in different subnets.</li></ul>
The 4G Mobile Hotspot configuration page cannot be visited.	<ul style="list-style-type: none"><li>● Enter the correct address. The default address is <a href="http://192.168.0.1">http://192.168.0.1</a> or <a href="http://ufi.ztedevice.com">http://ufi.ztedevice.com</a>.</li><li>● Use only one network adapter in your PC.</li></ul>

Problem	Recommended Action
	<ul style="list-style-type: none"> <li>Do not use any proxy server.</li> </ul>

## Getting More Help

---

You can get help by:

- Sending an email to [mobile@zte.com.cn](mailto:mobile@zte.com.cn)
- Visiting [www.ztedevices.com](http://www.ztedevices.com)

**FCC Regulations:**

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.

This device 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.

**CAUTION:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC RF Exposure Information (SAR)**

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 United States.

During SAR testing, this device is set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the head with no separation, and near the body with the separation of 10 mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or

SAR. The SAR limit set by the FCC is 1.6 W/kg.

Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of [www.fcc.gov/oet/ea/fccid](http://www.fcc.gov/oet/ea/fccid) after searching on FCC ID: SRQ-ZTE-MF971V.

For this device, the highest reported SAR value for usage near the body is 1.30 W/kg.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

SAR compliance for body operation is based on a separation distance of 10 mm between the unit and the human body. Carry this device, at least 10 mm away from your body to ensure RF exposure level compliant or lower to the reported level. To support body operation, choose the belt clips or holsters that do not contain metallic components to maintain a separation of 10 mm between this device and your body.

Accessory designed by ZTE or available on market for maintaining 10mm using distance must be used for RF exposure compliance.