

# ZTE MF51

## Quick Guide

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# Quick Guide

## Introduction

ZTE MF51 is a 3G mobile hotspot device, working in GPRS/EDGE/WCDMA/HSPA network. It provides Internet connection via USB or Wi-Fi to clients, enabling you to communicate anytime and anywhere.

## Specification

Data Service	HSPA: DL 14.4 Mbps UL 5.76 Mbps
	WCDMA CS: UL 64 kbps/DL 64kbps WCDMA PS: UL 384 kbps/DL 384kbps
Interface	USB and Wi-Fi
Wi-Fi Standard	802.11b/g/n
Wi-Fi Security	WEP/WPA/WPA2
USB Version	USB 2.0 HIGH SPEED
USB Interface Type	Micro USB
Weight	80 g
Dimensions (W×H×D):	102.5 mm*51 mm*13.5 mm
microSD card	Support up to 32 GB microSD card
Battery	1500mAh Li-ion battery
*Standby time	100 hours
*Working time	4 hours
Charge time	3 hours
Operate system	Windows 7, Windows Vista, Windows XP (SP2 or later), Mac OS (10.5 or later)
Web Browser	IE (7.0 or later), Firefox (3.0 or later), Opera (10.0 or later), Safari (4.0 or later), Chrome (10.0 or later)
Working temperature	-10 °C ~ +60°C
Storage temperature	-20 °C ~ +70 °C

Charging temperature	0 °C ~ +40 °C
Humidity	5%~ 95%

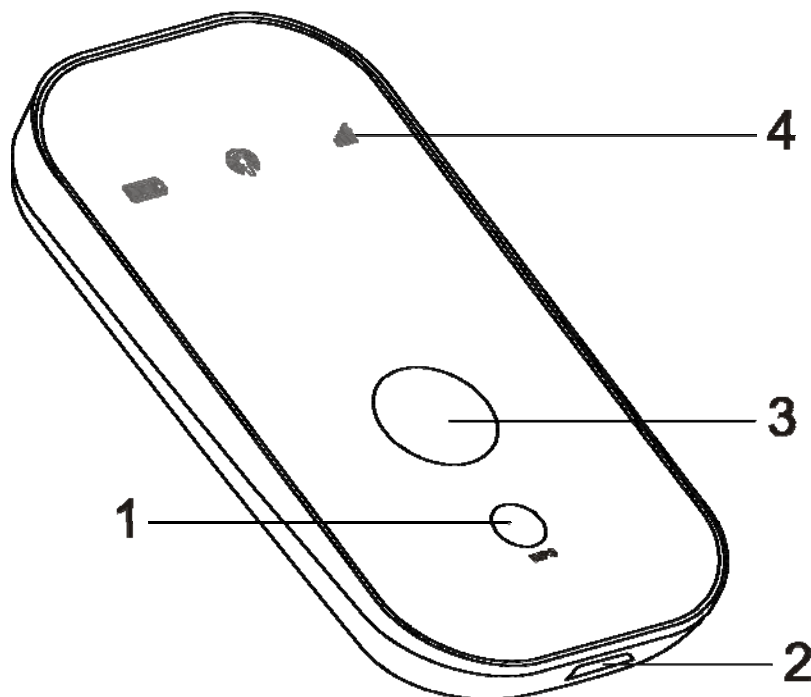
 Notes:

microSD  is a trademark of SD Card Association.

The device's standby and working time are only for your reference, and based on ideal working environment.

## Getting to Know Your Device

The following figure shows the appearance of the device. It is only for your reference. The actual device may be different.



## Interface and Buttons

1.WPS	<p>This button is used to start Wi-Fi Protected Setup authentication process and enable/disable the Wi-Fi function.</p> <ul style="list-style-type: none"> <li>● Hold it for about five seconds to activate the WPS process.</li> <li>● Hold it for about two seconds to enable/disable Wi-Fi function.</li> </ul>
2.Charger/USB port	<ul style="list-style-type: none"> <li>● Charge your device.</li> <li>● Connect the client to your device via USB cable.</li> </ul>

3.Power	Hold the <b>Power</b> button to switch on/off the device.
4. Indicators	Indicates the status of your device.



**Notes:**

- Press **WPS** and **Power** buttons simultaneously, and hold on about three seconds until all LEDs are off, then release the buttons, the device will restart automatically and restore to the factory default settings.

## Indicators

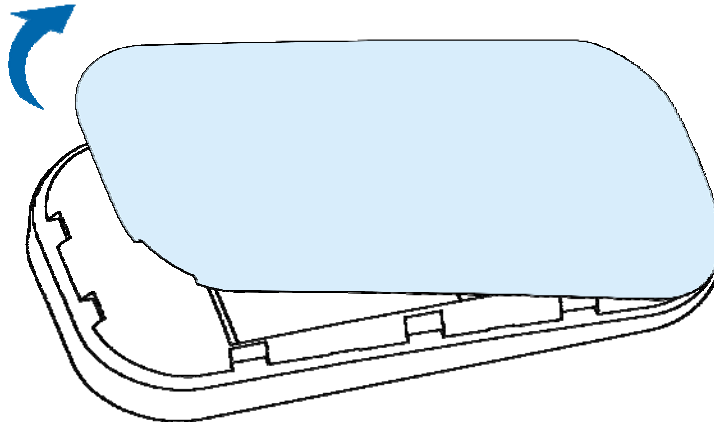
When the device is powered on, the following icons will light, with the corresponding indications listed in the table below:

Indicators	Status	Description
Battery Indication	RED glittering	Please charge.
	RED bright	The voltage of battery is low.
	GREEN bright	The voltage of battery is high.
		Fully charged.
	GREEN glittering	Charging when power on
		Power off
		Low power mode
LED off	Fully charged when power off without USB cable	
	No charging or fully charged under low power mode without USB cable	
	No battery	
Wi-Fi Indication	BLUE glittering	Wi-Fi is active.
	BLUE bright	WPS is active.
	LED off	Wi-Fi is inactive or low power mode.
Network Indication	BLUE glittering	2G Modem data transferring.
	BLUE bright	Register on 2G network.
	GREEN glittering	3G Modem data transferring.
	GREEN bright	Register on 3G network.
	LED off	ERROR or NO network service or No SIM or low power mode.

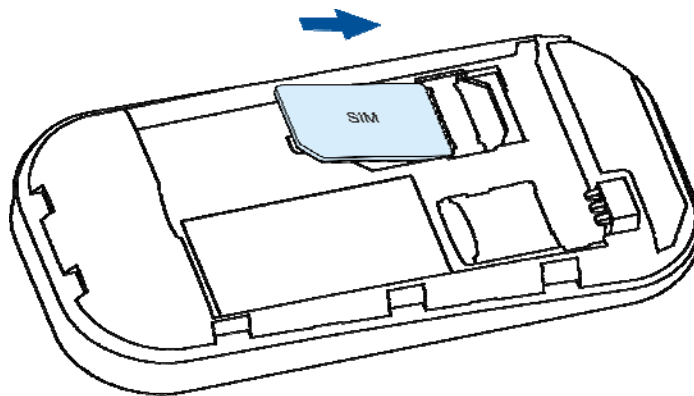
## Hardware Installation

### Inserting SIM Card, Memory Card and Battery

1. Use the thumb catch on the device to open the battery cover.



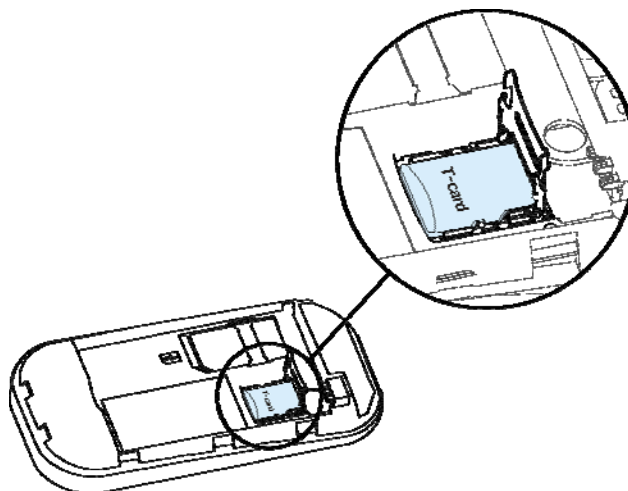
2. Insert SIM Card into the slot.



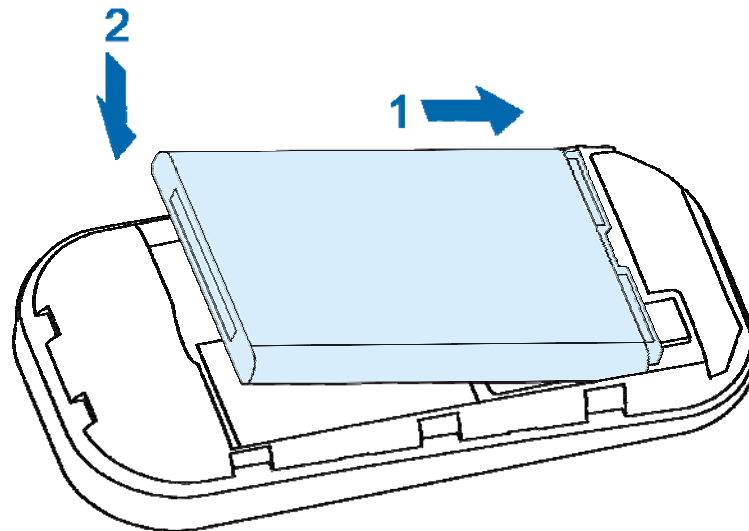
Warning:

Please power off the device and remove the external power adapter before removing or inserting the SIM card, if not, the device or SIM card may be damaged.

3. Insert the memory card into the memory card holder.



4. Insert the battery as shown with the contacts located against the gold springs.



5. Line the battery cover up correctly and press gently to close the case.

### Switching On/Off Your Device

Press and hold the **Power** button to switch on/off the device.



Notes:

Please install battery before power on.

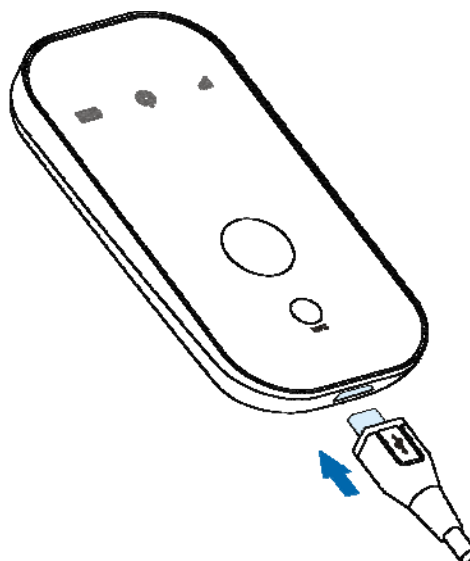
### Charging Your Device

1. Insert the charger lead carefully with the correct orientation to the charger port.

The plug only fits one way. Do not use excessive force to insert the plug.

2. Connect the charger to a mains socket.

3. Disconnect when the battery is fully charged.

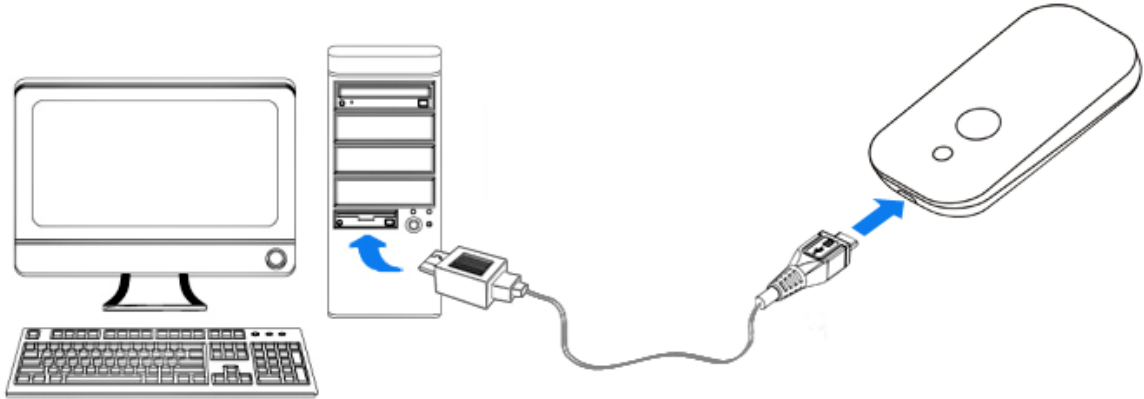


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## **Working Mode**

Your device supports three working modes. For the client, we only use PC or laptop as the example in this document.

**USB Mode:** Connect the device to your PC or laptop via the included USB cable, then power on your device. And the following picture is one application example:



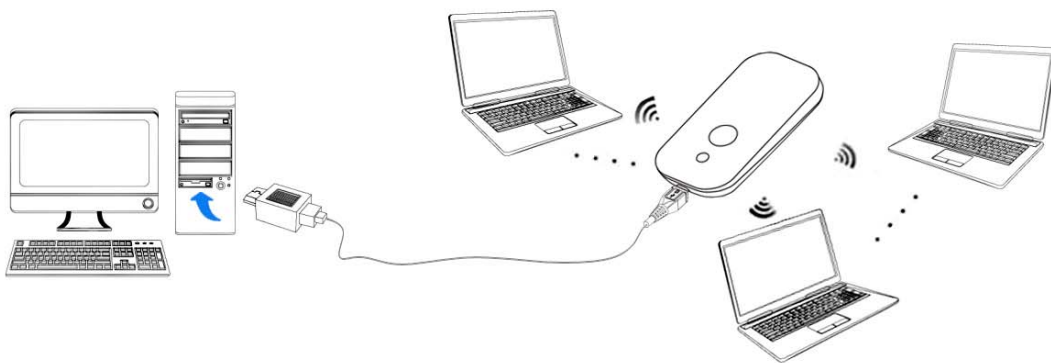
**Wi-Fi Mode:** Power on directly, and then connect the device to your PC or laptop via Wi-Fi. And the following picture is one application example:



**Mixed Mode:** Connect to the device with the above two connection methods.

The following picture is the application example. All of the client devices can surf on the Internet at the same time.





## ***Establish a connection between your device and the client***

### **Via USB Cable**

1. Connect your device and the client with the USB cable.
2. Install software.

After the installation, the connection between your device and the client will be established successfully a moment later.

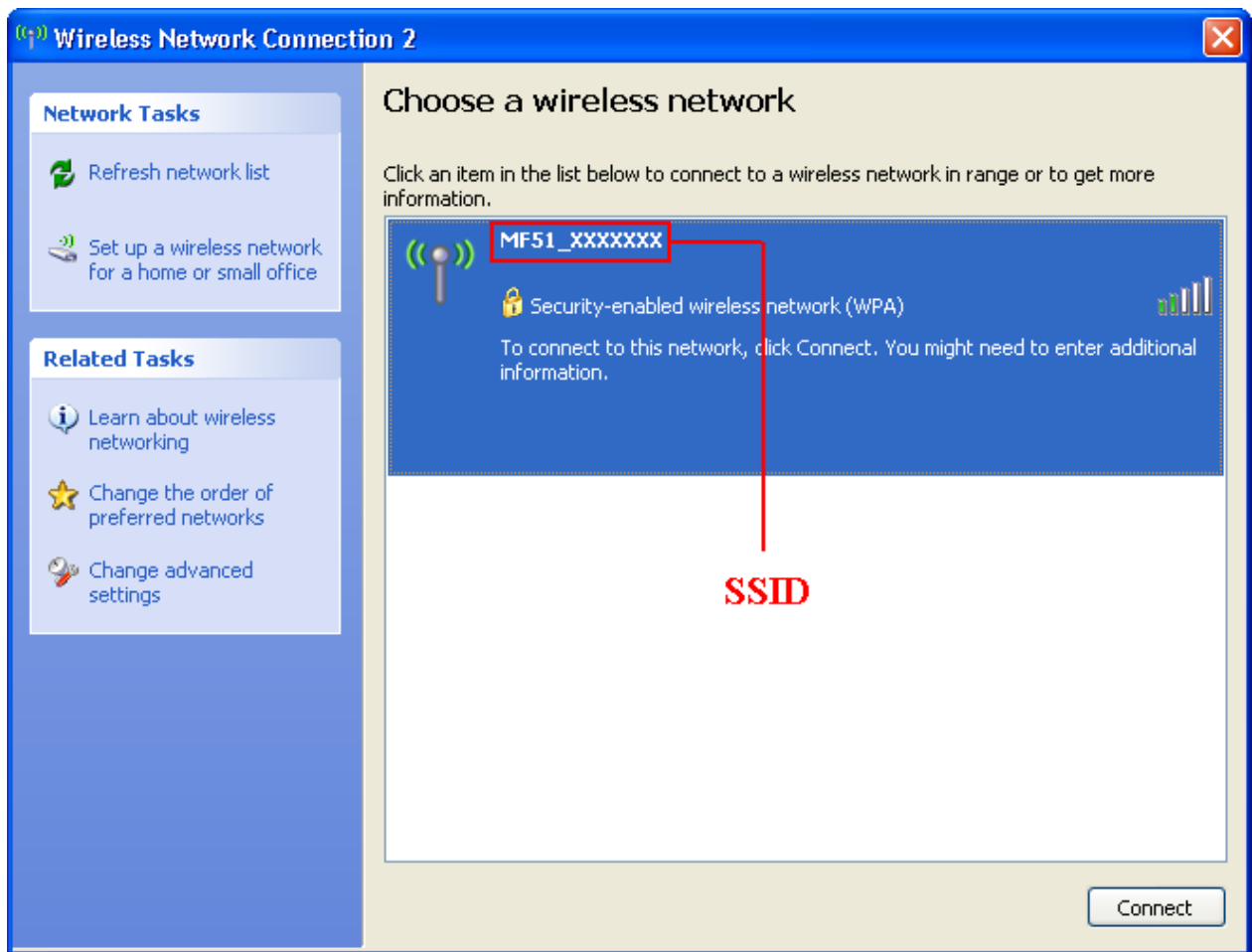
### **Via Wi-Fi**

1. Power on your device directly. It will take 1~2 minutes to initialize, and then Wi-Fi status icon will light.
2. If the Wi-Fi status shown is blue twinkling, hold the WPS key for about 2 seconds to enable the Wi-Fi function.
3. Use your normal Wi-Fi application on the client to search the available wireless network.



**Notes:** You need to check your Wireless Network Connection. Set the client to obtain an IP address automatically in the Internet protocol (TCP/IP) properties, and the client will get an IP address like "192.168.0.101".

4. Select the SSID of your device, and then click **Connect**.



**NOTE** Notes:

There will be a pop-up window to require the password. Please check the label on the battery compartment of your device to gain the SSID and preset password information.

5. Wait a moment, the connection between your device and the client will be established successfully.

### ***Access the Internet***

1. Switch on the device.
2. Establish a connection between your device and the client.
3. After successfully establishing the connection, access the Internet in the **Always On** or **Manual** mode. The default mode is **Always On**.

**NOTE** Notes:

You can browse the WebGUI Configuration page and select **Settings > 3G Settings > Network Select** to set the WAN connection mode.

### ***Access the WebGUI Configuration Page***

1. Make sure the connection between your device and the client is correct.

2. Launch the internet browser and enter <http://192.168.0.1> or <http://ufi.home> in the address bar,

or double  to launch the internet browser.

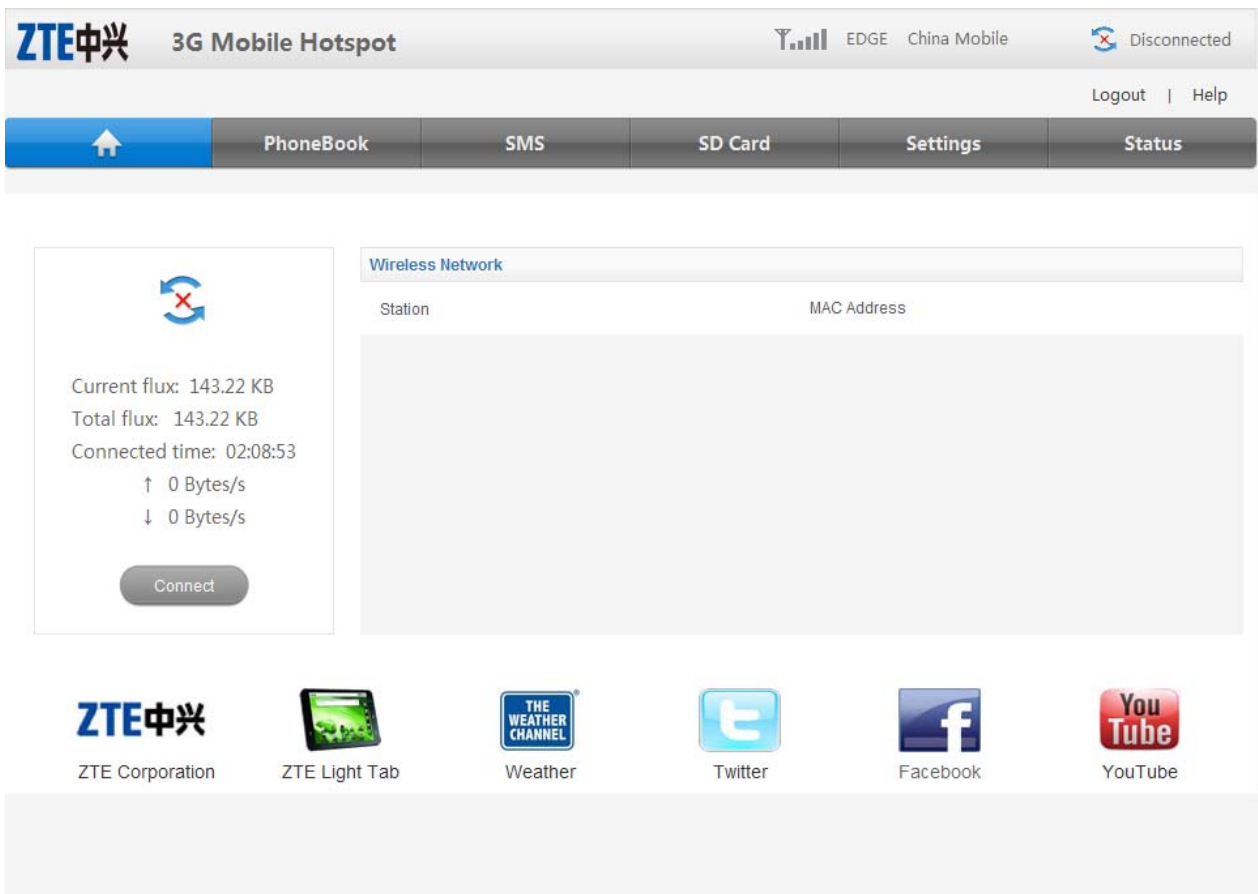
 **Notes:**

It is recommended that you use IE (7.0 or later), Firefox (3.0 or later), Opera (10.0 or later), Safari (4.0 or later), Chrome (10.0 or later).

3. The login page appears as follows.



4. Input the case-sensitive default password “**admin**”, and then click **Login** to access the WebGUI Configuration page.



Click **Logout** to return to the login page.

Click **Connect** to access the Internet.

Click **ZTE Corporation**, **ZTE Light Tab**, **Weather**, **Twitter**, **Facebook**, or **YouTube** to access the predefined link, for the detailed information please consult you service provider.



#### Notes:

- Do not put anything on the top of your device. Do not lay devices to overlap each other when using.
- The device takes 1~2 minutes to initialize, and attach to the network.

## PIN Code Verification

If the PIN code of your SIM card is enabled, you will need to input the PIN code when you login at the first time.

**PIN**

Verify PIN

PIN

Remaining times:3

Apply



#### Notes:

The SIM card will be locked if you enter wrong PIN code consecutively for three times.

If you want to modify the PIN Status, please select **Settings > Advanced > PIN Manage > Modify PIN** to do the actions.

**PIN Management**

PIN Status: Enable

Action:  Enable  Disable Modify PIN

PIN:

New PIN:

Confirm New PIN:

Remaining times: 3

Apply
Cancel

## Network Select

After logging in, select **Settings > 3G Settings > Network Select**, and you can do the following operations.

WAN Conneciton Mode	Set the WAN connection mode.
Band Selection Mode	Set the <span style="background-color: #ff0000; color: white;">Band connection mode.</span>

## Settings

After logging in, select **Settings**, and you can do the following operations.

Select <b>Settings &gt; Quick Setup</b>	The Quick Settings wizard guides you how to set the basic parameters for your device in the safest way.
Select <b>Settings &gt; 3G Settings</b>	Select the network Mode and set the APN related parameter.
Select <b>Settings &gt; Wi-Fi Settings</b>	View the current station list.
Select <b>Settings &gt; USSD</b>	This function allows you to inactive with the service provider.
Select <b>Settings &gt; STK</b>	Show some services which your (U)SIM card provides

Select <b>Settings &gt; Advanced</b>	View the current status of your device, change the Administrator Settings, restore factory defaults, manage PIN, set the LAN interface configuration, or Update the device.
Select <b>Settings &gt; Firewall</b>	Set the Mac/IP/Port Filtering, Port Forwarding or the System Security configuration.



**Notes:**

Make sure that you can remember the new password if you change the login password by selecting **Settings > Advanced > PIN Manage**. Please restore the device to the factory default settings in case you forget the new password.

## SMS

This function allows you to view, send and receive short messages.

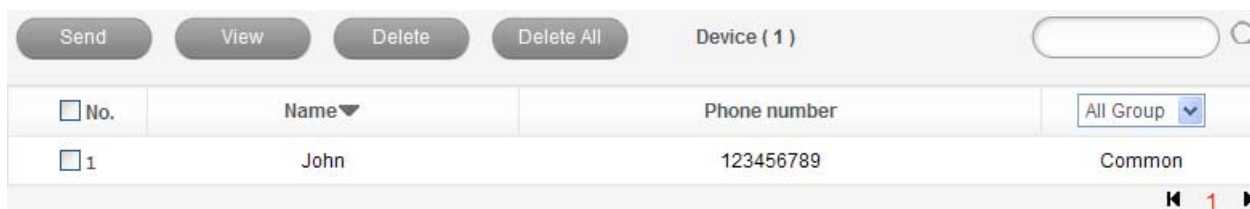
After logging in, select **SMS**, and you can do the following operations.

Select <b>SMS &gt; New Message</b>	Send or save SMS.
Select <b>SMS &gt; Device</b>	Operate the SMS in your device.
Select <b>SMS &gt; SIM Card</b>	Operate the SMS in your SIM card.
Select <b>SMS &gt; SMS Settings</b>	Set the SMS configuration.

## HotspotBook

This function allows you to store contacts to your device or SIM card.

After logging in, select **HotspotBook**, and you can add a new contact by clicking the **Add New** tab, and perform operations to the contacts in the **Device** or **SIM** tab.



## SD Card

- Make sure that microSD Card is inserted.

Click **SD Card** to access the following figure:



Select SD Card share mode which you want to use. Click **Apply** to confirm.

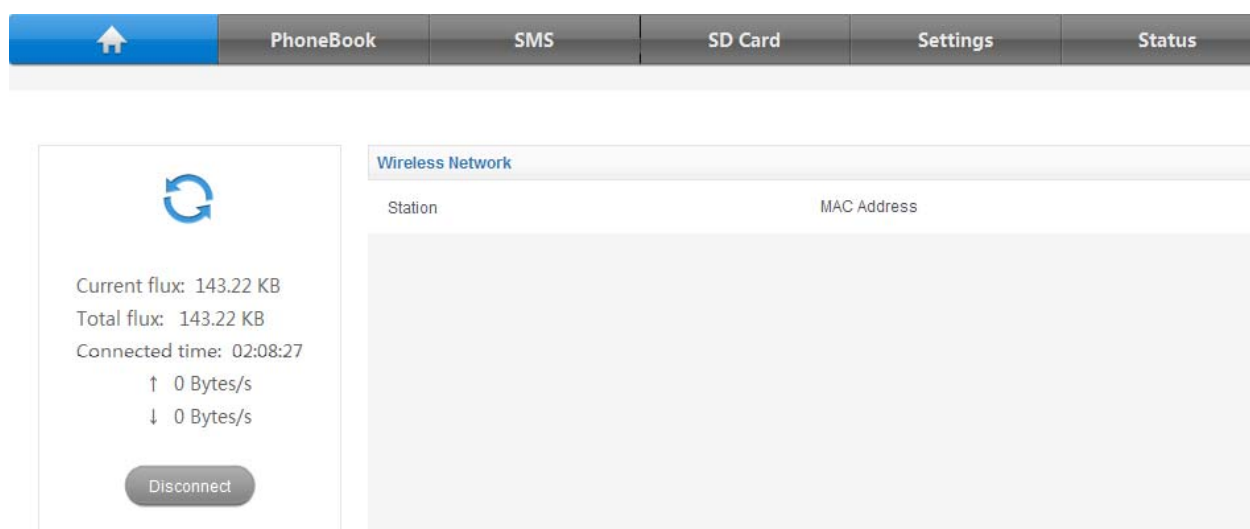
## Status

After logging in, select **Status**, and you can do the following operations.

Select <b>Status</b> > <b>Basic Status</b>	View the 3G Wireless Information and system info.
Select <b>Status</b> > <b>Network Status</b>	View the WAN, LAN, and WLAN information.

## Disconnect from the Internet

1. In the WebGUI Configuration page, click **Homepage** icon.
2. Click **Disconnect** icon to disconnect the device from the Internet.



**NOTE** Notes:

Turning off the device can also terminate the Internet connection.

## Sleep Mode

- After powering your device on without USB connection, once no user connects to the device within 10 minutes and no action is performed to the device, or the WPS button is pressed manually, the device will enter the sleeping mode with the screen off. In the sleeping mode, the Wi-Fi function will be disabled.

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• With USB connection, once no user connects to the device within 10 minutes and no action is performed to the device, or the WPS button is pressed manually, the Wi-Fi function will be disabled, and then unplug the USB cable, the device will enter the sleeping mode.

In the sleeping mode, press any button or connect your device and PC with the USB cable to wake up the device, and the screen will be turned on.

## ***Usage of WPS***

If your client device supports WPS, you need not to input the password manually after WPS has been available. Please do the following:

1. Start up your device.
2. Launch the client device connected to your device.
3. Enable the WPS function of your device.
4. Enable the WPS function of the client.



### **Notes:**

[For the detailed operations about the client, please refer to the client's instruction.](#)

## ***Warning and Notice***

### **To the Owner**

- Some electronic devices are susceptible to electromagnetic interference sent by your device if inadequately shielded, such as the electronic system of vehicles. Please consult the manufacturer of your device before using if necessary.
- Operating of laptop and desktop PCs and your device may interfere with medical devices like hearing aids and pacemakers. Please always keep them more than 20 centimeters away from such medical devices when they are turned on. Turn your device off if necessary. Consult a physician or the manufacturer of the medical device before using your device.
- Be aware of the usage limitation when using your device at places such as oil warehouses or chemical factories, where there are explosive gases or explosive products being processed. Turn off your device if required.
- The use of electronic transmitting devices is forbidden in aircrafts, at petrol stations and in hospitals. Please observe and obey all warning signs and switch off your device in these conditions.
- Do not touch the inner antenna area if not necessary. Otherwise it will affect your device's performance.
- Store your device out of the reach of little children. Your device may cause injury if used as a toy.



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- Do not touch the metallic parts of your device so as to avoid a burn, when your device is working.

## Using Your Device

- Please use original accessories or accessories that are authorized. Using any unauthorized accessories may affect your device's performance, and violate related national regulations about telecom terminals.
- Avoid using your device near or inside metallic structures or establishments that can emit electromagnetic waves. Otherwise it may influence signal reception.
- Your device is not waterproof. Please keep it dry and store in a shady and cool place.
- Do not use your device immediately after a sudden temperature change. In such case, it will produce dew inside and outside your device, so don't use it until it becomes dry.
- Handle your device carefully. Do not drop, bend or strike it. Otherwise your device will be damaged.
- No dismantling by non-professionals and only qualified technicians can undertake repair work.
- Operating temperature range of 0°C ~ +35°C and humidity range of 5% ~ 95% are recommended.

## Using Battery

- Do not short-circuit the battery, as this can cause excessive heat and fire.
- Do not store battery in hot areas or dispose of it in a fire to avoid explosion.
- Do not disassemble or modify the battery.
- When not using the battery for a long period, remove it from the device and store it in a cool dry place.
- Never use any charger or battery damaged or worn out.
- Return the wear-out battery to the provider or put it in the appointed recycle place. Do not put it in familial rubbish.



Warning:

If the battery is broken, keep away from it. If it taints your skin, wash your skin with abundant fresh water and ask doctor help if necessary.

## 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,

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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.

## **FCC Compliance (only Part 15B)**

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

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.

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—Consult the dealer or an experienced radio/ TV technician for help.

## Health and safety information

### Radio Frequency (RF) Energy

This model hotspot meets the government's requirements for exposure to radio waves. This hotspot 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:

The exposure standard for wireless mobile hotspots employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. \*Tests for SAR are conducted using standard operating positions accepted by the FCC with the hotspot transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the hotspot while operating can be well below the maximum value. This is because the hotspot 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 highest SAR value for the model hotspot as reported to the FCC when tested for use is 1.35 W/kg at body worn with 1cm distance. There may be differences between the SAR levels of various hotspots and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model hotspot with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model hotspot is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: Q78-MF51.

## ***How to Get Help***

You can get Help by:

- Sending E-mail to **[mobile@zte.com.cn](mailto:mobile@zte.com.cn)**
- Visiting **<http://www.zte.com.cn>**
- Calling Service Hotline: **+86-755-26779999**