

# ZTE EuFi890

## Quick Start Guide

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# Quick Guide

## *Introduction*

ZTE EuFi890 is the newly developed LTE global-mode mobile hotspot device. It can provide LTE/EVDO/UMTS/EDGE/GPRS flexible access for users to enjoy high-speed internet applications anytime and anywhere. EuFi890 has two work modes, Wi-Fi AP mode and USB Tethered mode. In Wi-Fi AP mode, up to 5 Wi-Fi enabled clients can connect to the device simultaneously.

This quick guide provides the instructions on how to install and get started with the product. For information about the services of connection, please consult your service provider.

## Specification

Data Service	LTE-FDD: 50 Mbps DL; 20 Mbps UL
	CDMA 1xEV-DO: 3.1 Mbps DL; 1.8 Mbps UL
	HSDPA/HSUPA: 14.4 Mbps DL; 5.76 Mbps UL
	EDGE: 473.6 Kbps UL/DL
	GPRS: 171.2 Kbps UL/DL
Interface	Micro USB 2.0 and Wi-Fi
Wi-Fi Standard	802.11b/g/n
Wi-Fi Security	WEP/WPA/WPA2
Weight	TBD
Dimension(L×W×H)	88.8 mm*88.8 mm*18 mm
Battery	1800 mAh
*Standby time	100 hours
*Working time	4 hours
Operate system	Windows 7, Windows Vista, Windows XP (SP2 or later), MAC 10.4 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 (5.0 or later)
Operating temperature	-10 °C ~ +60 °C
Operating humidity	10% ~ 85%
Storage temperature	-20 °C ~ +70 °C
Storage humidity	5% ~ 90%

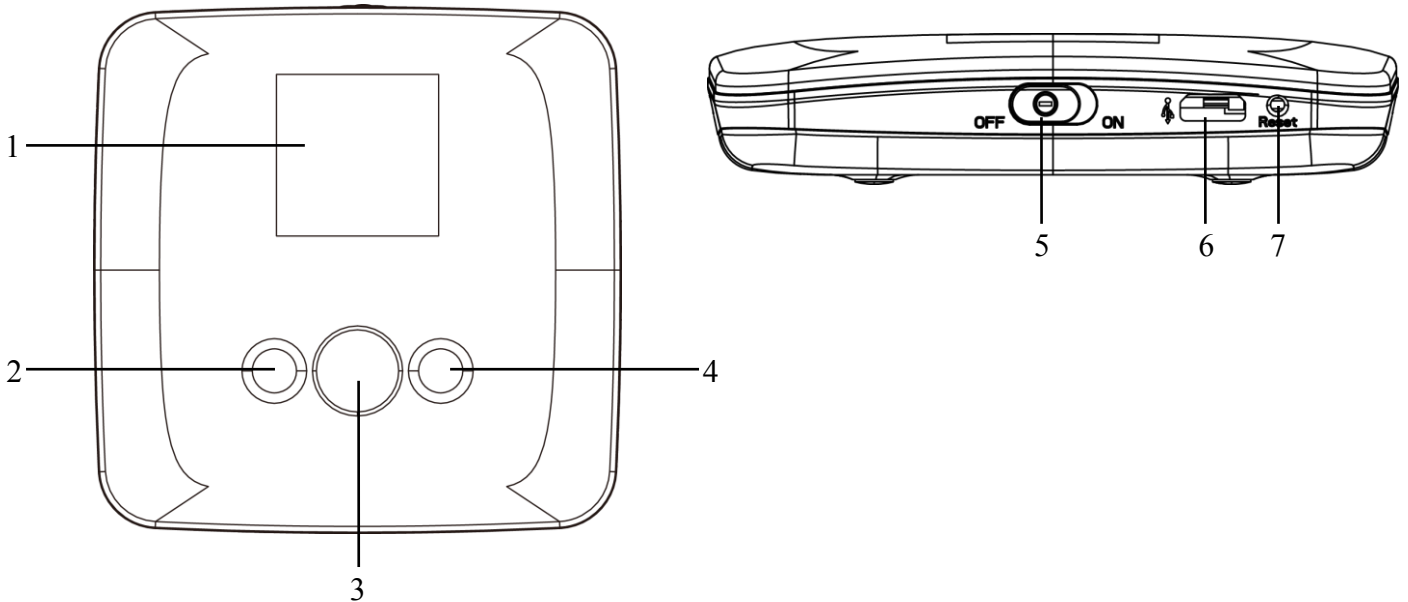


### Notes:

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. OLED Screen	Displays the menus and the status of your device.
2. Up Button	Scroll up to select the options.
3. OK Button	Confirm the selection or operation.
4. Down Button	Scroll down to select the options.
5. Power Switcher	Power on/off your device.
6. Micro USB Port	Charge your device.
7. Reset Button	Press to restore your device to the factory default settings.

### OLED Indicator

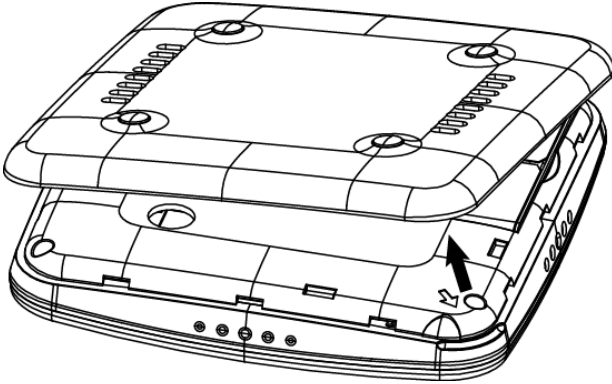
Icon	Description
	Battery indication, animate while charging.
	No battery
	Data meter
	4G signal indication
	3G signal indication
	Roaming

<b>Icon</b>	<b>Description</b>
	Indicates the numbers of current Wi-Fi connections.
	Settings
	Message

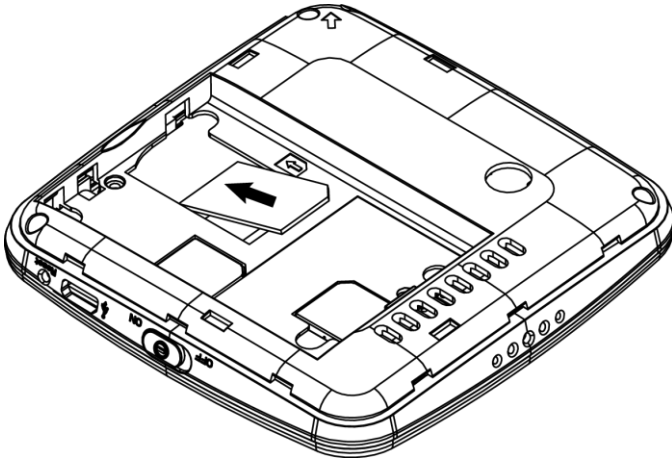
## Hardware Installation

### Inserting SIM Card and Battery

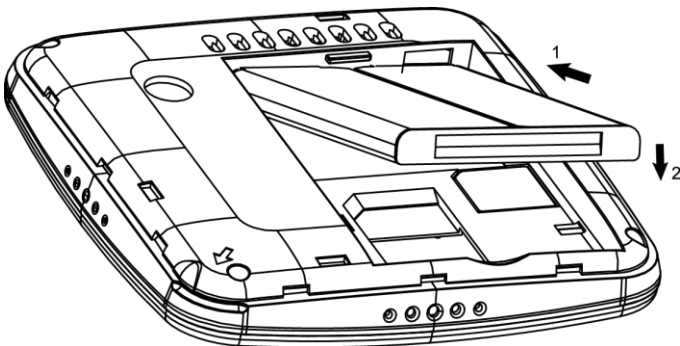
1. Use the thumb catch at the bottom of the device to open the battery cover as shown.



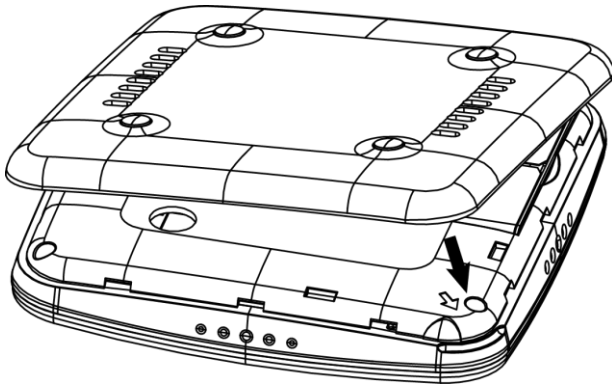
2. Insert the SIM card into the SIM card holder as shown.



3. Insert the battery as shown with the contacts located against the metal springs, and then press the battery down into the case.



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



## Switching On/Off Your Device

Slide the **Power** switcher to switch on/off the device.



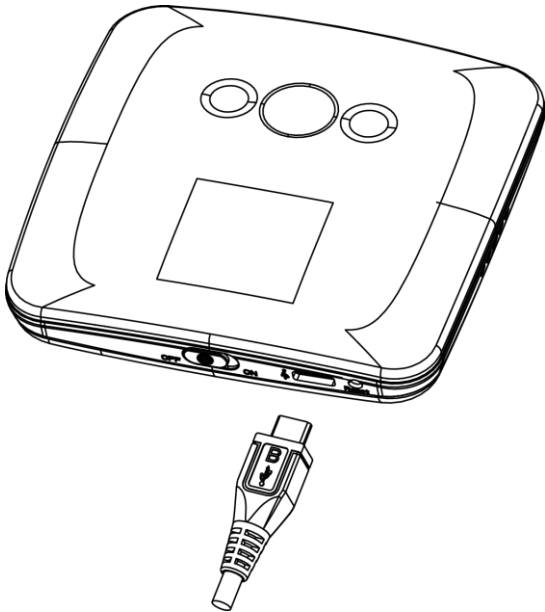
### Notes:

The device is powered on when the OLED screen lights up.

## Charging Your Device

You can charge your device by using USB cable or adapter.

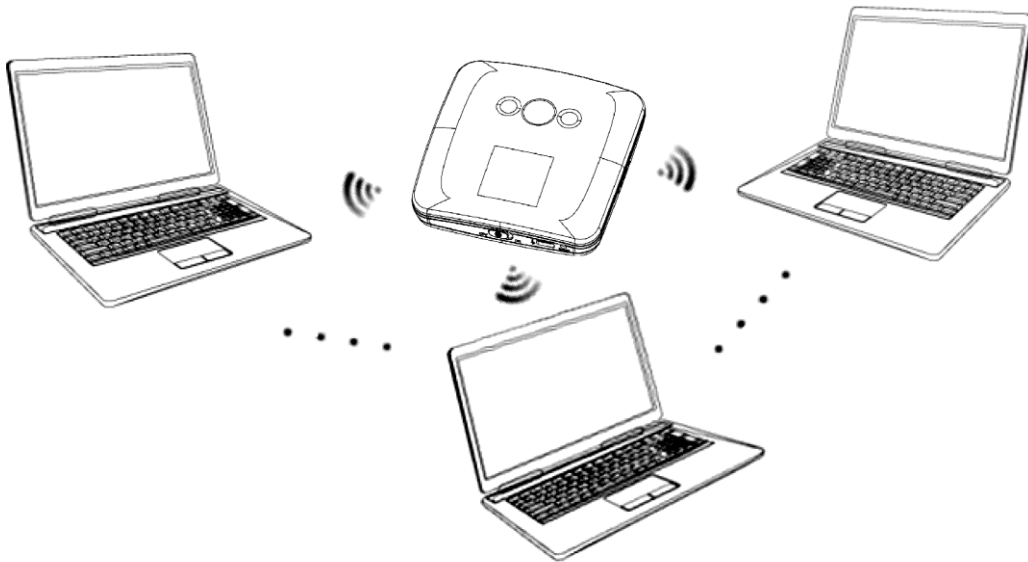
1. Insert the charger lead carefully with the plug arrow facing the bottom of the device.
2. The plug only fits one way. Do not use excessive force to insert the plug.
3. Make sure the plug is the right way round and lined up correctly and insert it gently.





## Working Mode

The client enabled Wi-Fi function could connect to your device via Wi-Fi mode, shown as the picture below.



## Establishing a Connection between Your Device and the Client

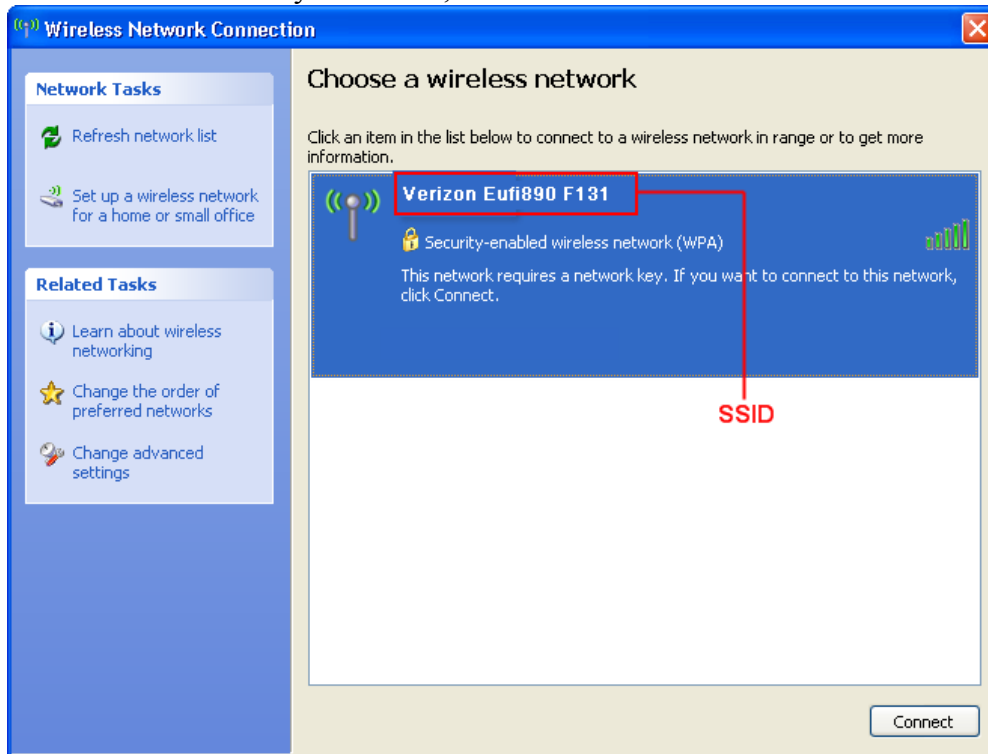
1. Power on your device directly. It will take 1~2 minutes to initialize.
2. Use your normal Wi-Fi application on the client to search the available wireless network.




### 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 “192.168.0.100”.

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



### Notes:

There will be a pop-up window to require the password. The SSID and default password will display once you power the device on, or you can select the **WLAN information** icon , and then choose **SSID information** to gain the SSID and preset password information.

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

## Accessing 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 **Auto Connect**, **Manual Connect** mode. The default mode is **Auto Connect**.



### Notes:

You can browse the WebGUI Configuration page and select **WAN Settings > WAN Connection** to set the connection mode.

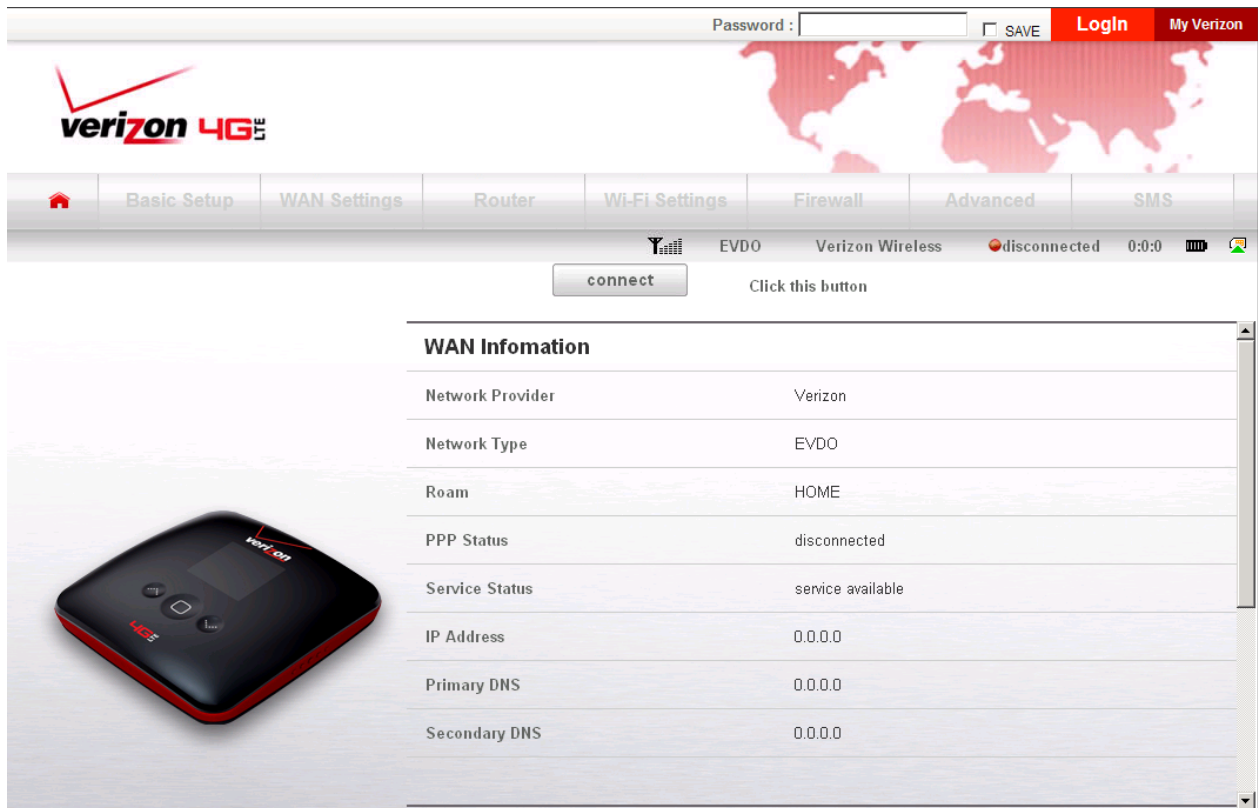
## Accessing the WebGUI Configuration Page

1. Make sure the connection between your device and the client is correct.
2. Launch the internet browser and enter <http://192.168.1.1> in the address bar.

**NOTE** 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) or Chrome (5.0 or later).

3. The login page appears as follows.



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

**NOTE** 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 by selecting **WAN Settings** when you login at the first time.

### Verify PIN

PIN	<input type="text"/>
PIN Remaining Times	3
<input type="button" value="Apply"/>	



**Notes:**

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

If you want to Change the PIN status or modify the PIN code, please select **WAN Settings > SIM PIN** to do the actions.

**SIM PIN**

PIN Status	Enable
Action	<input type="button" value="Disable"/> <ul style="list-style-type: none"> <li>Enable</li> <li style="background-color: #e0e0e0;">Disable</li> <li>Modify</li> </ul>
PIN	<input type="text"/>
PIN Remaining Times	3

**Basic Setup**

After logging in, select **Basic Setup > Quick Setup** to the set the Wi-Fi settings, including **SSID**, **Sleep Time**, **Security Policy** and **WPA**.

**SSID**

Name(SSID)	<input type="text" value="Verizon Eufi890 F131"/>
SSID Broadcast	<input type="button" value="Enabled"/>

**Sleep Time**

Sleep Time	<input type="button" value="None"/>
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**Security Policy**

Security Mode	<input type="button" value="WPA-PSK"/>
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**WPA**

WPA Algorithms	<input checked="" type="radio"/> TKIP <input type="radio"/> CCMP
GTK	<input type="text" value="3600"/> (1800~86400)
Pass Phrase	<input type="text" value="99000058000204"/>

Select **Basic Setup > Password** to change the login password of the WebGUI Configuration page.

**Set Current User Password**

Password	<input type="password" value="••••"/>
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**WAN Connection**

After logging in, select **WAN Settings > WAN Connection**, and you can choose the WAN Connection Mode according to your requirement.

WAN Connection

<input checked="" type="radio"/>	Auto Connect
<input type="radio"/>	Manual Connect <input type="text" value="connect_internet"/>
WAN Connection Status	disconnected

Apply

Router

After logging in, select **Router** to config LAN interface, DHCP clients and DMZ settings.

**Router** LAN DHCP Clients DMZ

LAN Interface Setup

IP Address	<input type="text" value="192.168.1.1"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
MAC Address	c8-64-c7-af-f1-31
DHCP Server	<input type="text" value="Enable"/>
DHCP IP Pool	<input type="text" value="192.168.1.2"/> - <input type="text" value="192.168.1.99"/>

Apply Cancel

Wi-Fi Settings

After logging in, select **Wi-Fi Settings** to config the connected devices, basic settings of Wi-Fi, the Wi-Fi security, accepted/denied MAC address of the Wi-Fi clients and view the wlan chip firmware version.

**Wi-Fi Setting** Connected Devices Basic Security ACL Firmware

Wireless Network

	Station	Address Type	MAC Address	IP Address	Host Name	Nickname	
<input type="button" value="Disconnect"/>	1	STATIC	00-fd-07-96-9a-11	192.168.1.2		<input type="text"/>	<input type="button" value="Apply"/>

Refresh

Firewall

After logging in, select **Firewall** to config the IP/port filtering, port forwarding and VPN connection.

**Firewall** IP/Port Filtering Port Forwarding VPN

Basic Settings

IP/Port Filtering	<input type="text" value="Disable"/>
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Apply

## Advanced

After logging in, select **Advanced** to view the system information, WAN usage, restart your device and restore your device to the factory default settings.

**Advanced**

Status

Statistics

Restore&amp;Reboot

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### Status

Network Selection Mode	CDMA_MODE
IMEI	imei information not obtainable!
Wireless access module software version	BD_Eufi890V0.0.2B02T0503
System Up Time	9 mins, 57 secs

### SMS

This function allows you to view, save, send and receive short messages. After logging in, select SMS to perform the related operations.

**SMS**   **Inbox**   Outbox   Drafts   New Message

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**Inbox**

No	Number	Date	Contents
<input type="checkbox"/> 1	1065902002123782930	11/05/12,18:10:33	test 【ZT...

**Delete**   **Delete All**   **View**   **Select All**   **cancel**



## Disconnecting from the Internet

1. Log in the WebGUI Configuration page, and select **WAN Settings**.
2. Select **WAN Connection > Manual Connect > disconnect\_internet**.
3. Click **Apply**.

### WAN Connection

<input type="radio"/>	Auto Connect
<input checked="" type="radio"/>	Manual Connect <input type="text" value="disconnect_internet"/>
WAN Connection Status	connected


Apply



Notes: Turning off the device can also terminate the internet connection.

## Usage of WPS

If your client device supports WPS, you need not 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. Select the **WLAN information** icon , and then choose **Start WPS PBC** to 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 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.
- 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, 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.

## **Radio Frequency (RF) Energy**

This device meets the government's requirements for exposure to radio waves.

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 U.S. Government: The exposure standard for wireless mobile devices 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 device 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 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 highest SAR value for the device as reported to the FCC , as described in this user guide, is 1.42 W/kg.

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

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this 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: Q78-EUFI890.

This device has been tested and meets the FCC RF exposure guidelines.

## **FCC Compliance**

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.

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

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

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## ***CITA Requirements***

- a.** Do not disassemble or open crush, bend or deform, puncture or shred.
- b.** Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- c.** Only use the battery for the system for which it is specified.
- d.** Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- e.** Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- f.** Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725-2006. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- g.** Promptly dispose of used batteries in accordance with local regulations
- h.** Battery usage by children should be supervised.
- i.** Avoid dropping the phone or battery. If the device or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- j.** Improper battery use may result in a fire, explosion or other hazard.

For those host devices that utilize a USB port as a charging source, the host device's user manual shall include a statement that the phone shall only be connected to CTIA certified adapters, products that bear the USB-IF logo or products that have completed the USB-IF compliance program.

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

You can get Help by:

- Sending E-mail to **mobile@zte.com.cn**
- Visiting **http://www.zte.com.cn**
- Calling Service Hotline: **+86-755-26779999**