

# 4G LTE MIFI ROUTER USER MANUAL

**Note:**

Different model with different housing, the picture on manual only for reference

Section 1 - Introduction:

**1.1 Introduction**

It is a portable 4G MiFi product which supports FDD-LTE/ TDD-LTE/ TD-SCDMA/ WCDMA/ GSM. User equipment can connect to the via WiFi or USB, enjoy a fast navigation experience.

This manual introduce the installation and usage of this equipment, all descriptions are based on the Windows 7 OS. For more details about the network connection, please consult your operator.

**1.2 Specifications**

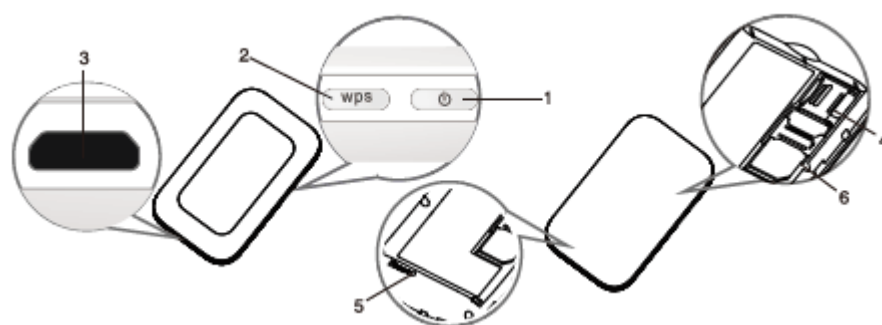
- >FDD-LTE/ TDD-LTE/ TD-SCDMA/ WCDMA/ GSM supported
- >Web sharing, can support up to 8 users at the same time access
- >2100mAh battery, 6-8 hours working time
- >Peak speed is as follows:

Support Network	Download	Upload
TDD-LTE	100Mbps	20Mbps
FDD-LTE	150Mbps	50Mbps@ Bandwidth 20M(CAT4)
WCDMA	21Mbps	5.76Mbps
EDGE	384Kbps	384Kbps

**1.3 Package contents**

- 4G MiFi Router X 1
- Battery X 1
- USB Cable X 1
- User Manual X 1

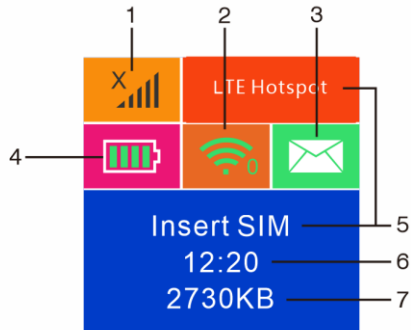
**1.4 Description of components**



Label & Name	Functions
1. Power Button	Press Power Button to power on/ off the device. Wake the device during sleep mode
2. WPS Button	Open the WPS function, devices AP related information. Press the WPS button for 3 seconds to open the WPS function(PBC) Double-click to display the SSID and KEY information of the device AP
3. Charger/ USB Interface	Charger interface. USB interface between device and Client Terminal
4. LCD Display	To instruct device conditions
5. LED Display	To instruct device conditions
6. TF Card Slots	Insert TF card
7. Reset Button	Press the Reset button for 3 seconds to restore factory settings

### 1.5 Description of the LCD Screen

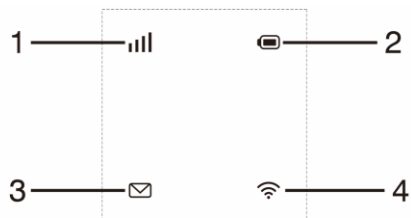
The LCD display should be as followed after Power ON/ OFF:



Label	Instruction
1	Web signal strength
2	WIFI ON; Number of the WIFI clients
3	SMS indication
4	Battery Capacity
5	Operator
6	Network online time
7	Data Usage

### 1.5 Description of the LED Screen

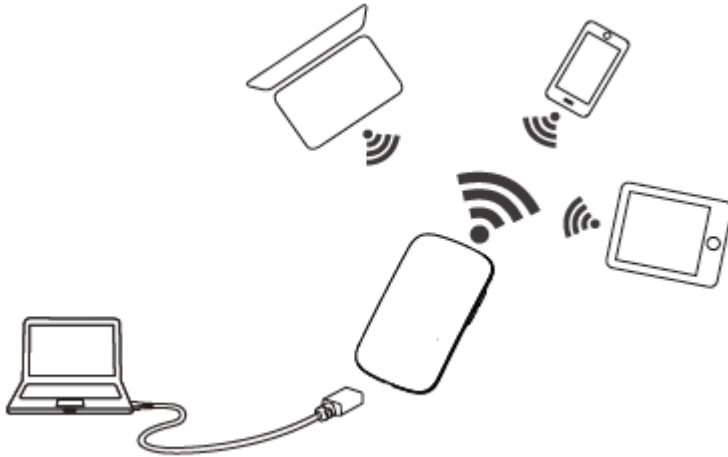
The LED display should be as followed after Power ON/ OFF:



LED indicator information	Instruction
1. Signal Indicator	Red light flashing means signal unstable Green light flashing means signal good
2. Electrical Voltage Indicator	Red light flashing means power lower than 20% Yellow light always on means power over 20% Yellow lights flashing means charging
3. SMS indicator	Light on/Flashing means there is text message Light off means no text message
4. WiFi indicator	Light off means no signal Light on means WiFi works fine

## 1.6 Application Scene

This equipment can support Windows XP, Vista, Win7, Win10, Mac OS etc, and can support multiple connections via WIFI or USB at the same time. Below diagram is only for reference.



NOTE: Before using of the WIFI connection, please make sure the client device supports the WiFi.

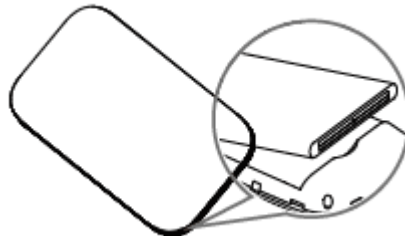
## 1.7 Sleep Mode

When the equipment is in WAN and battery mode and no devices are connected to the equipment for certain time, the equipment will enter sleep mode.

## Section 2 - Installation Instructions:

### 2.1 Installation of the Micro-SIM card, TF card and Battery

- 1) At the arrow position of the indentation on the drawing below, push to open the back of the equipment, and remove it.
- 2) Put the Micro-SIM card and TF card into the slot, be mindful of the direction.
- 3) Put the battery in as the drawing shows.
- 4) Put the cover back on the equipment and close it.



### 2.2 Power ON/ OFF

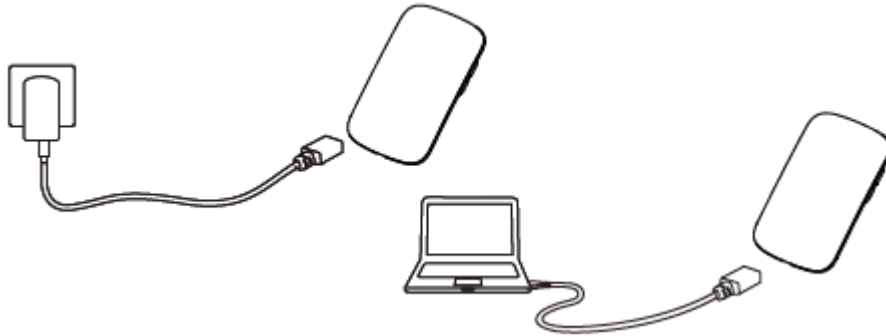
Power ON: Long press the POWER Button, turn on the device, the LCD will light up

Power OFF: Long press the POWER Button to turn the device off.

### 2.3 Charging

The equipment can be charged via either charger or USB port. The method to charge is as followed:

- 1) Use the USB cable to connect the computer or other equipment.
- 2) Use the charger to connect a USB power source to the device.



NOTE: The normal usage will not be affected during charging.

### Section 3 - Connecting to a Device

#### 3.1 Via USB cable

The steps are as follows:

- 1) Power ON the device.

This chapter will introduce two methods to build the connection.



- 2) Use USB cable to connect the device and the client(click to close the auto play popup).
- 3) Choose the required language.
- 4) Follow the system instructions to finish the installation(skip this step for driverless version).
- 5) The connection between the device and client will be made successfully.

**Remark:**

- 1) Through USB connection the client is not included in the total access users.
- 2) If the system does not support automatic installation, please run the Driver Setup. exe program in My Computer> CD-ROM drive to start software installation.
- 3) After the software installs the CD-ROM drive successfully, the device driver will be installed successfully at the same time. Afterwards,the device manager will show:



**3.2 Via Wi-Fi**

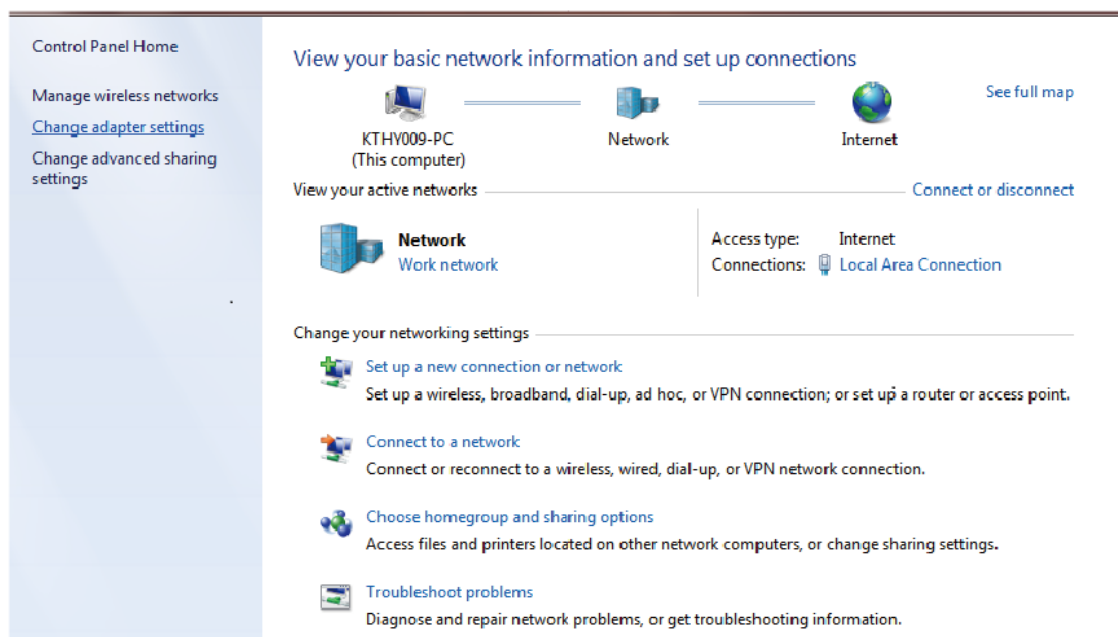
**3.2.1 Password access**

The following is an example with basic steps.

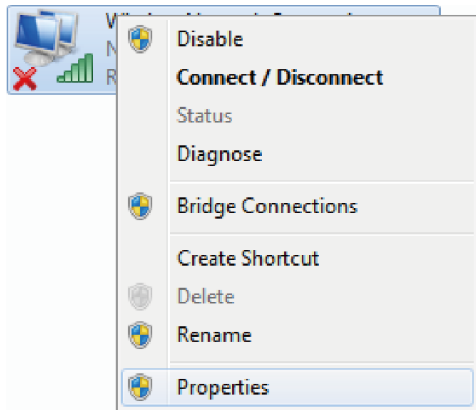
- 1) Turn on the device, wait for 1~2 minutes till the device initiali-zation is completed.
- 2) Please configure the computer.

Steps to configuration Wi-Fi is as follows:

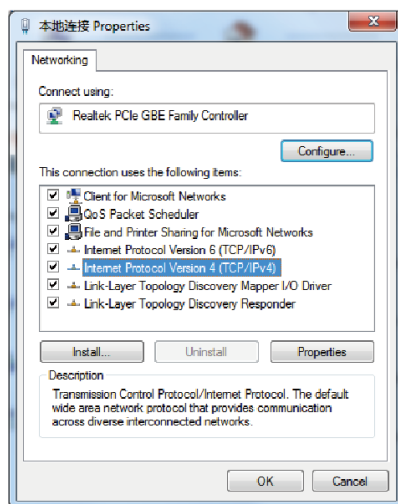
- a) Click Start, and then click Control Panel.
- b) Click Network and Internet, then click ” View your basic network information” and set up connections.



- c) Right-click on Local Connection, choose Properties.

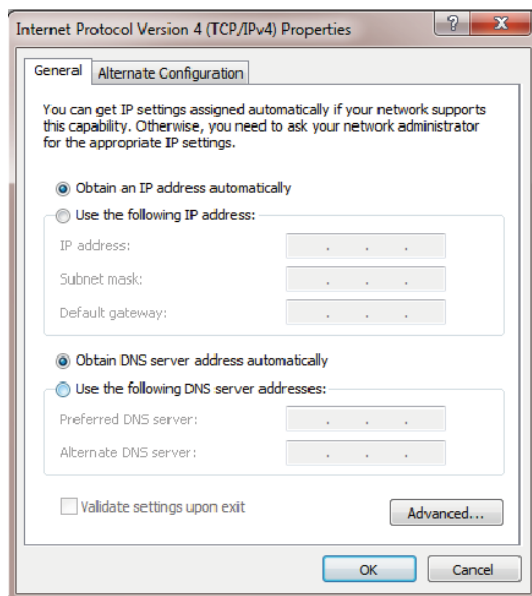


d) Click Internet Protocol (TCP/ IP), choose Properties.



e) Choose Internet Protocol Version 4, then click Properties.

f) Select Obtain an IP Address Automatically and Obtain DNS Server Address Automatically, click confirm to complete configuration.



3) After completion of computer configuration, choose network icon in the taskbar selected.

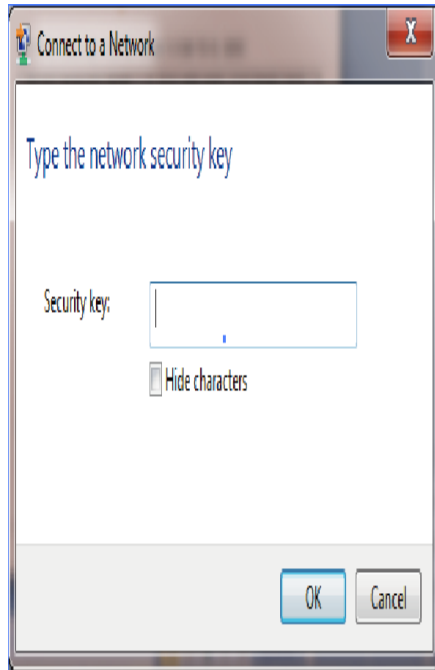


4) Select the corresponding SSID of the device, click Connect.

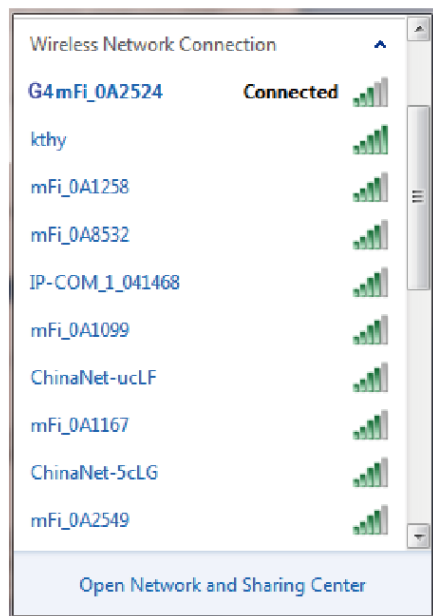


5) Enter the key (1234567890) and click connect.





6) Later, the Click Terminal will automatically connect to your device.



### 3.2.2 Via WPS Function

If the client supports WPS, please follow these steps:

- 1) Turn on the device and WIFI.
- 2) Long Press WPS Button for 3 seconds to enable WPS functionality.
- 3) Open the client WPS function so that WPS is on for both devices.
- 4) Follow the client system prompts to complete the connection.

**Remark:**

- 1) About the client WPS process operation, please refer to the client' s instructions.
- 2) WPS function will automatically shut down after 2 minutes, if you need a connection to be established through the WPS, please press the WPS button again.

**3.3 How to obtain the SSID and password**

The SSID and password of the devices will be posted on the lable as normal, if not you can obtain the SSID and password through the way as bellow.

1) Obtain via Web

Enter to the Web UI, Enter to settings WLAN settings -- Basic settings, you will see the information of SSID and KEY.

2) Double click the WPS Button

3) Double click the device WPS Button, you can see the information of SSID and KEY on the LCD.

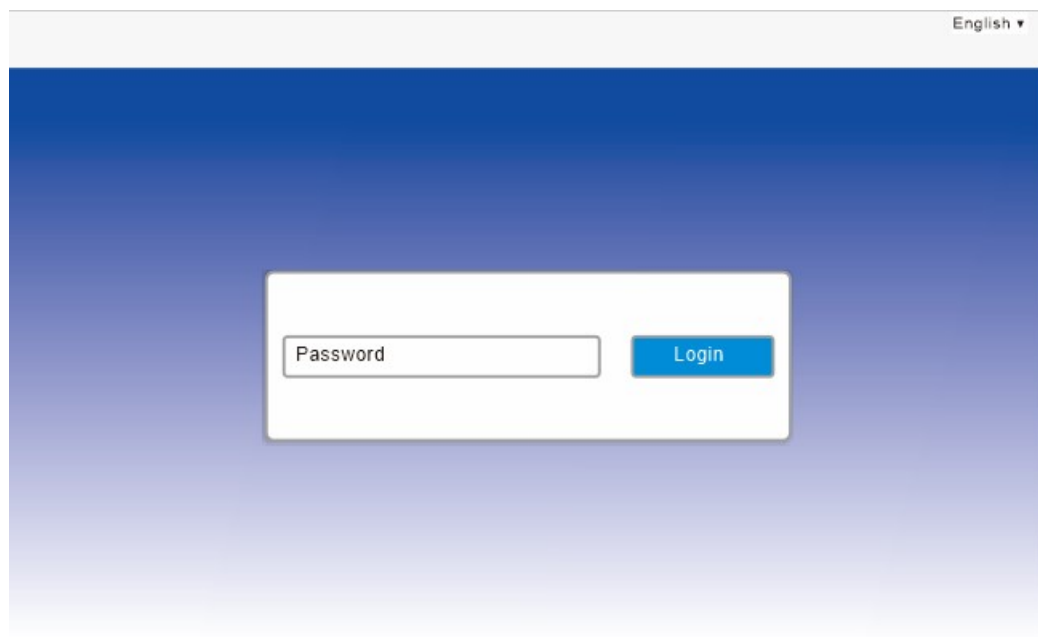
**Section 4 - Managing the Web UI page**

Web UI management interface can help users to manage the device effecticely.

This chapter will show you how to manage the page.

**4.1 Login**

- 1) Enable the connection between Client Terminal and device.
- 2) Start the browser, Enter http://192.168.0.1 into the web page in the address bar.
- 3) In the subsequent pop-up login window, enter the default password” admin” , click Login, you can enter the Web UI management page.

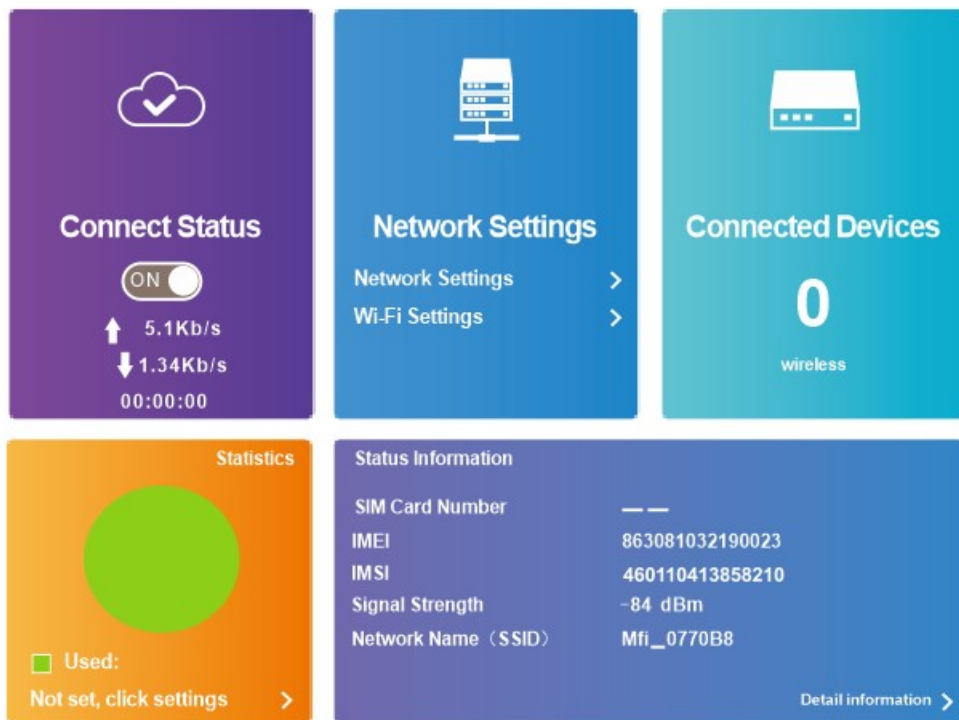


Remark: you are advised to use the following browsers: IE (7.0 or higher), Firefox (3.0 or higher), Opera (10.0 or higher), Safari (4.0 or higher) or Chrome (5.0 or higher),

**4.2 Web UI Introduction**

#### 4.2.1 Home

The Home page is as bellow:



Home page will display access to user information list details of the user of the equipment.

Direct your mouse to the upper right corner, it will be displayed in sequence from left to right operator, Network type, signal strength, messages, SIM card status, WiFi status, battery level and other information. You can choose join or leave the network on the Home page.

Remark: There is setting to disconnect from the network.

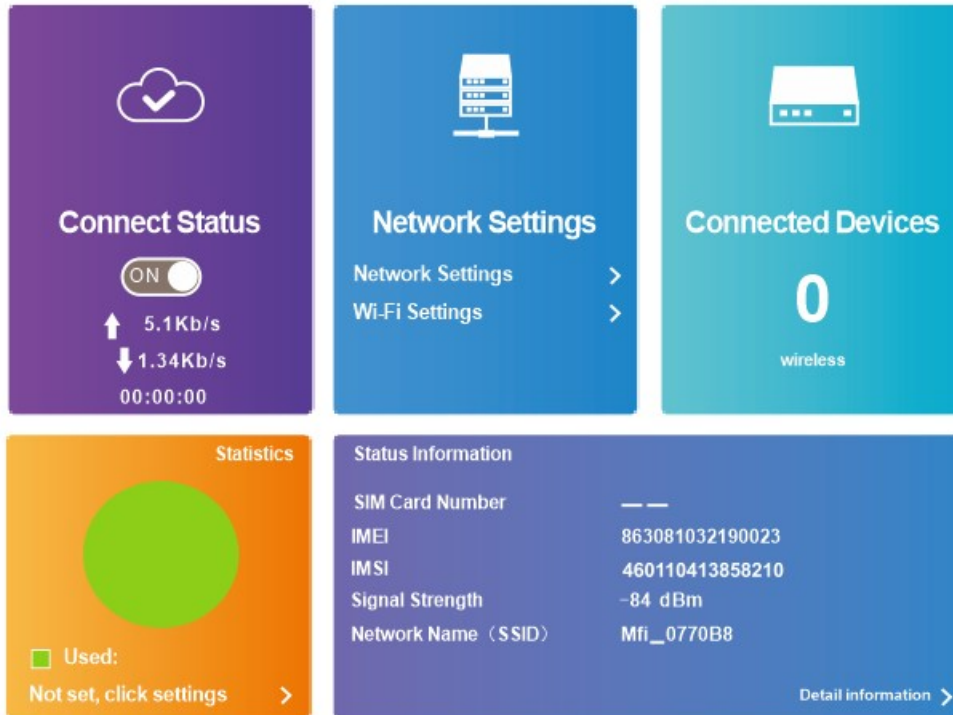
#### 4.2.1 Change login password

The password can easily be changed.



#### 4.2.2 Basic information

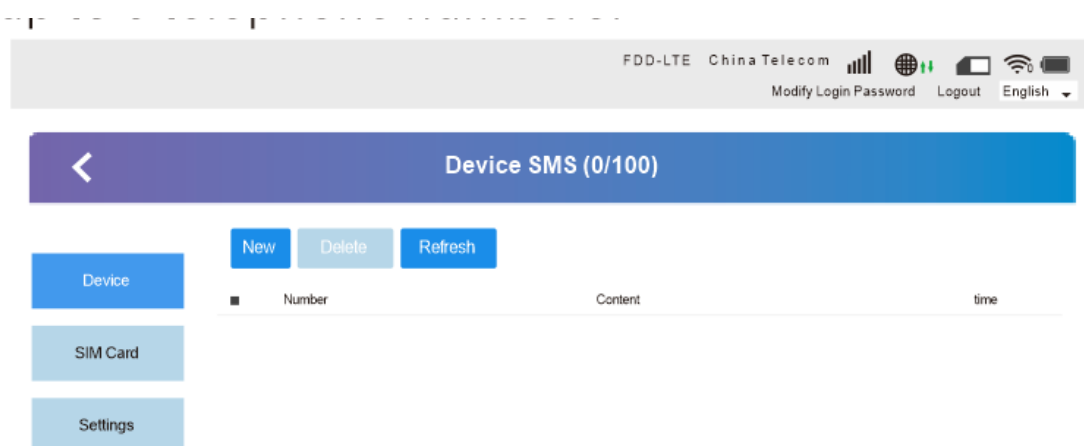
The basic information page includes SMS, phone book, advanced settings, quick settings, network connection settings, network access device quantity, traffic statistics and status information as shown below.



#### 4.2.3 SMS

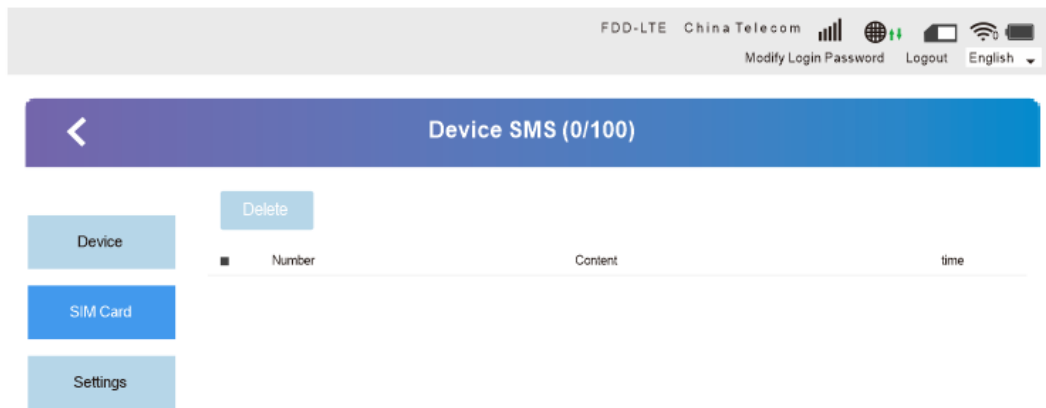
##### 4.2.3.1 Device SMS

In the device section of SMS pages you will see, delete, refresh options displayed message in the new message where one can add up to 5 telephone numbers.



##### 4.2.3.2 SIM SMS

In the SIM side of the SMS page, you will have the option to delete SMS' s.



#### 4.2.3.3 SMS Settings

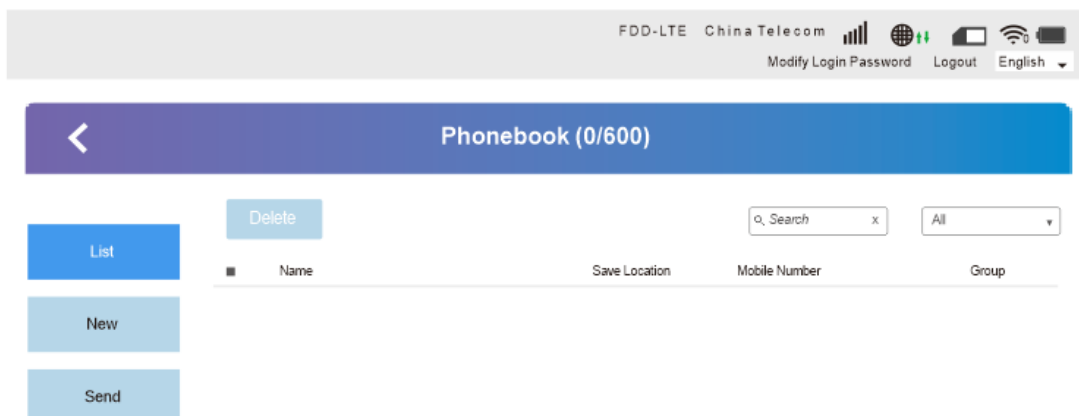
On the SIM settings page you can enable or disable delivery reports.



#### 4.2.4 Phonebook

On this page you will find phone contacts, new text, delete, etc. options. You can add 600 telephone numbers.

##### 4.2.4.1 List



#### 4.2.4.2 New

FDD-LTE China Telecom Modify Login Password Logout English

### Phonebook (0/600)

List New Send

New

Save Location Device

Name \*

Mobile Number \*

Home Number

Office Number

Email

Group Common

Save

#### 4.2.5 Advanced Settings

##### 4.2.5.1 Power saving

Advanced settings page includes WIFI performance settings and WIFI sleep settings, as shown below.

FDD-LTE China Telecom Modify Login Password Logout English

### Advanced Settings

Power-save Router Firewall Update USSD DDNS Others

#### Wi-Fi Performance Settings

Wi-Fi Coverage

- Short Wi-Fi Coverage - Best battery life
- Medium Wi-Fi Coverage
- Long Wi-Fi Coverage

Apply

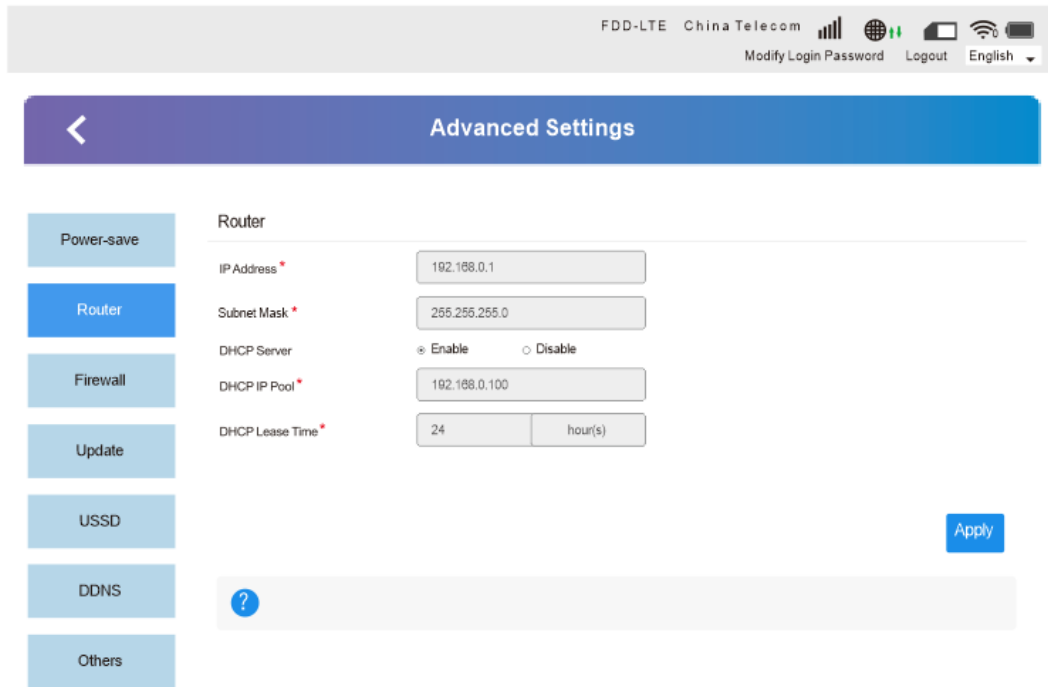
#### Wi-Fi Sleep

Sleep after 10 Minutes

Apply

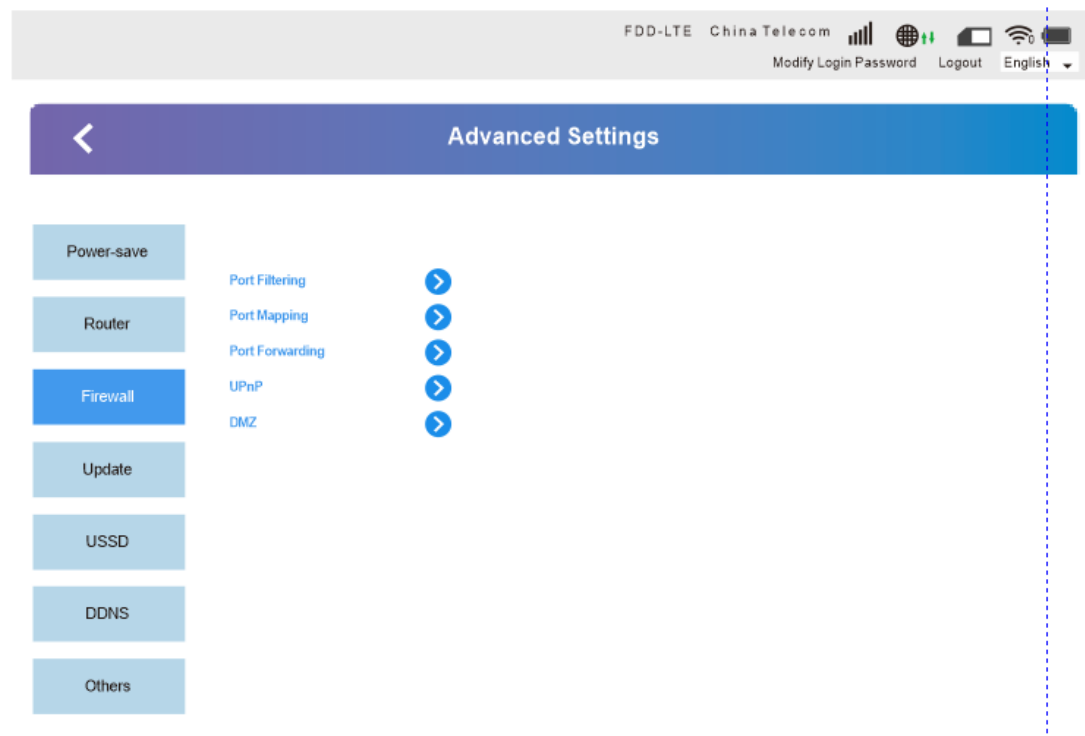
##### 4.2.5.2 Router

The router settings interface can be set to view the IP address, subnet mask, MAC address. Enable or disable the DHCP servicesettings view DHCP IP pool, DHCP lease, as shown below.



#### 4.2.5.3 Firewall

Setting up a firewall can protect the network from the network viruses, worms and malicious network attacks, make the operation of the equipment in the network security.



#### 4.2.5.4 Update

Update interface settings can be set up to detect new versions of the firmware automatically.

FDD-LTE China Telecom Modify Login Password Logout English

### Advanced Settings

- Power-save
- Router
- Firewall
- Update**
- USSD
- DDNS
- Others

#### Check New Version

Check

?

#### Auto Check Settings

Auto-check New Version  Enable  Disable

Check this option, the device will update when roaming, which will incur roaming charges.

Apply

?

#### 4.2.5.5 USSD

FDD-LTE China Telecom Modify Login Password Logout English

### Advanced Settings

- Power-save
- Router
- Firewall
- Update
- USSD**
- DDNS
- Others

#### Check New Version

Send to \*

Send

?



#### 4.2.5.6 Other settings

Other settings interface, including reset and reset, shutdown, fast boot settings, PIN, SNTP code management.

Advanced Settings

Restart and Reset

Please login again after rebooting or resetting router

Restart Device Reset Factory Settings

Turn Off Device

Turn Off Device

Fast Boot Settings

Fast Boot Settings  Enable  Disable

If enable Fast Boot function, your device will start in a short time

Apply

SNTP

Current Local Time 2018-04-09 15:51:53 Monday

Time Set Mode

SNTP Server1

SNTP Server2

SNTP Server3

Time Zone

Daylight Saving Time

Apply

PIN Management

##### 4.2.5.6.1 PIN Management

You can setup a PIN Code and enable or disable it on the security settings page.

Remark:

- 1) To change the PIN, please disconnect on the front page.
- 2) For detailed information about the SIM card, please consult the user's network provider.
- 3) For the PIN, the maximum chances to enter it correctly is 3 times, PUK code number can be entered incorrectly a maximum of 10 times.
- 4) Continuous input three times wrong PIN, SIM card will be locked, you need to enter the PUK to unlock once this happens.

FDD-LTE China Telecom

Modify Login Password Logout English

PIN Management

PIN Status  Enable  Disable

Change PIN

Current PIN

Attempts Left: 3

Apply

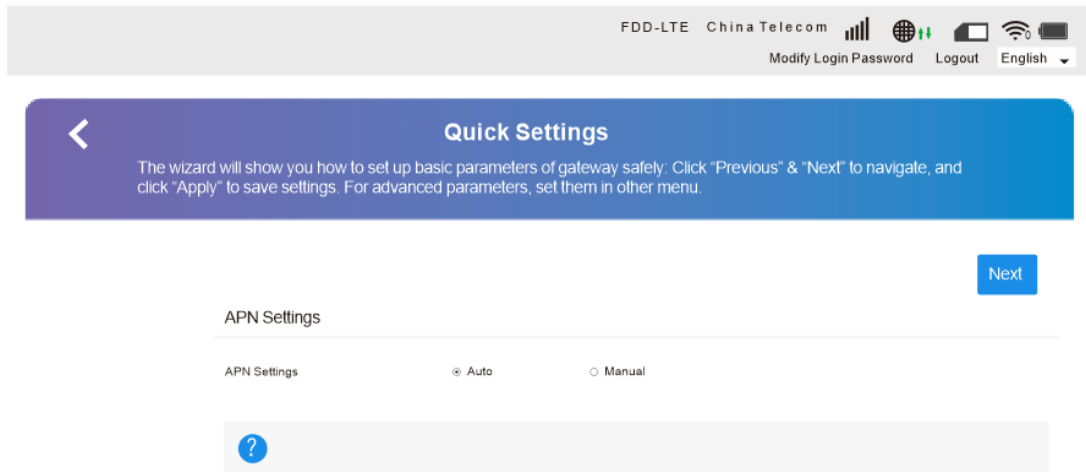
?

Once the PIN is enabled, restart your device and log into Web UI and enter the PIN code management interface to change PIN settings.

#### 4.2.6 Quick Settings

On this page you can be set up basic parameters.

##### 4.2.6.1 APN Settings



##### 4.2.6.2 SSID

The SSID page can be used to turn SSID broadcasting on or off and allows you change the network name (SSID).



Click "next" to enter the security mode settings interface

### 4.2.6.3 Security Mode

The screenshot shows the 'Security Mode' configuration screen. At the top, there is a status bar with 'FDD-LTE China Telecom' and icons for signal strength, Wi-Fi, and battery. Below the status bar is a blue header with a back arrow, the title 'Quick Settings', and a paragraph: 'The wizard will show you how to set up basic parameters of gateway safely: Click "Previous" & "Next" to navigate, and click "Apply" to save settings. For advanced parameters, set them in other menu.' Below the header are two buttons: 'Previous' and 'Next'. The main content area is titled 'Security Mode' and contains a form with the following fields: 'Security Mode' with a dropdown menu set to 'WPA2 (AES) - PSK', and 'Pass Phrase' with a text input field containing six dots. Below the 'Pass Phrase' field is a checkbox labeled 'Display Password' which is unchecked, and a red error message: 'Please input at least 8 characters'. At the bottom left of the form area is a question mark icon in a blue circle.

Click next to enter the device configuration settings

### 4.2.6.4 Configuration As Follows

The screenshot shows the 'Configuration as Follows' screen. At the top, there is a status bar with 'FDD-LTE China Telecom' and icons for signal strength, Wi-Fi, and battery. Below the status bar is a blue header with a back arrow, the title 'Quick Settings', and a paragraph: 'The wizard will show you how to set up basic parameters of gateway safely: Click "Previous" & "Next" to navigate, and click "Apply" to save settings. For advanced parameters, set them in other menu.' Below the header are two buttons: 'Previous' and 'Apply'. The main content area is titled 'Configuration as Follows' and contains a table with the following configuration details:

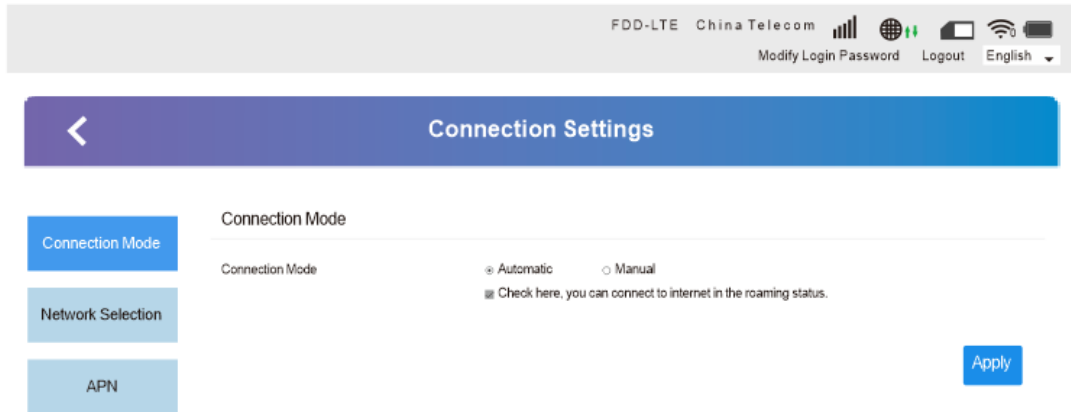
APN Settings	Auto
Network Name(SSID)	mFi_0CD2B1
Broadcast Network Name (SSID)	Enable
Security Mode	WPA2 (AES) - PSK

## 4.2.7 Network Settings

Network settings interface includes network connection and wireless network settings.

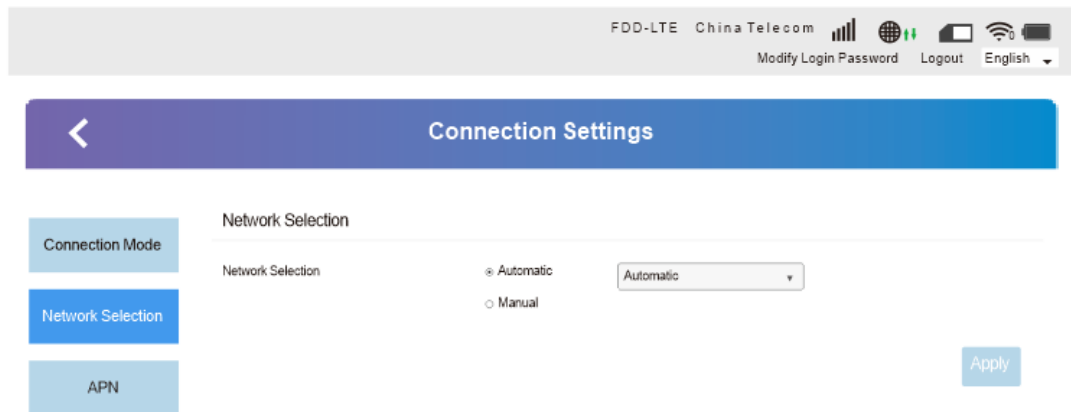
### 4.2.7.1 Connection Mode

4.2.7.1.1 In the connection mode interface, there are two optional connection modes: automatic and manual.



#### 4.2.7.1.2 Network Selection

In most circumstances you can use the automatic network configuration settings for your device. If the automatic network configuration is un-successfully, please select manual configuration.



#### 4.2.7.1.3 APN


In automatic mode, the relevant information on the APN will be automatically adapted according to the inserted SIM card.

 **Connection Settings**

Connection Mode	APN	
Network Selection	Current APN	China Telecom 4G
APN	Mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
	Profile	China Telecom 4G
	PDP Type	Ipv4
	Profile Name	China Telecom 4G
	APN	ctnet
	Authentication	PAP
	User Name	<input type="text"/>
	Password	<input type="text"/>
	Dial No.	<input type="text"/>

#### 4.2.8 Connected device

The access quantity interface displays all the wireless terminals connected to the router, including the device name of the wireless terminal, and the MAC (medium access control) address.

 **Connected Device**  
 All of wireless device connected to this router will show on the page, including device name and MAC address

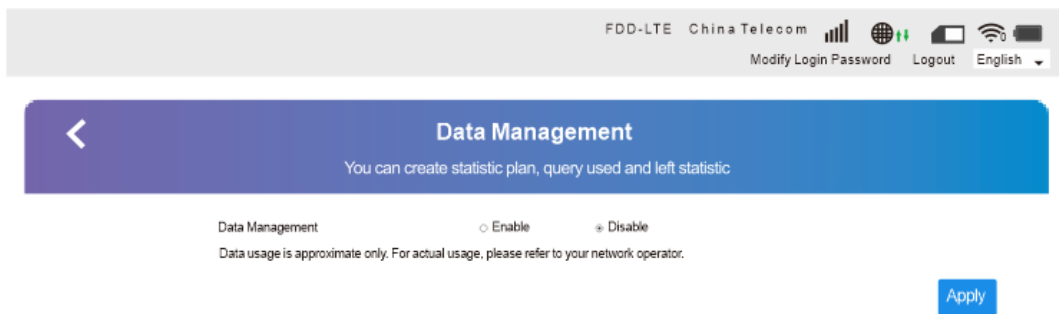
Wireless Access Device			
No.	Host Name	MAC Address	Operation
No data			

#### 4.2.9 Statistics

Page includes traffic statistics, flow package settings.

##### 4.2.9.1 Data Management

Flow management interface can create a flow plan, the query has been used and the rest of the flow.



### 4.2.10 Status Information

The device information displayed on the page is software version,firmware version, hardware version, IMEI number, signal strength,etc.

