

4G Flier (ALM-N245)

User Manual

v1.0

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Chapter 1 Introduction

1.1 Introduction

4G Flier is one of the MiFi products that supports CDMA /TD-LTE/LTE FDD network. The Client Terminal can be connected to 4G FLIER via Wi-Fi or USB, enabling you to enjoy the fun of high speed internet surfing anytime anywhere.

This User Manual introduces how to install and use this device. For more information about network connection service, please consult Your network operator.

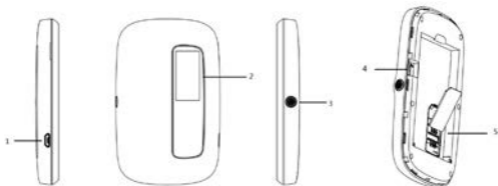


Note:

Long time working of this device can cause sectional environmental temperature rising and heat generation, in that case, the device may automatically power off to realize self safety preservation. Therefore, do not place the device in a closed environment or environment with small cooling space. When this situation happens, please place the device in a ventilating space to cool it adequately, and then start the device normally.

1.2 Appearances and Parts

The appearances and parts of this product are shown in the following picture. This picture is for reference only, please prevail in kind.



1.Charger/USB Interface	<ul style="list-style-type: none"> ●Charger interface: ●USB interface between device and Client Terminal.
2.LCD Display	To instruct device conditions.
3.Power Button	<ul style="list-style-type: none"> ●Press Power Buton to power on/off the device. ●Awake the device when it is in Steep Mode. ●Double click power key quickly to switch screen.
4.Reset	Hardware restore factory settings,long press 3 seconds.
5.SIM Card Slot	Used to insert the SIM card.



Note:

When the device is turned on , the LCD screen will be closed after 1 minute.

1.3 LCD Display

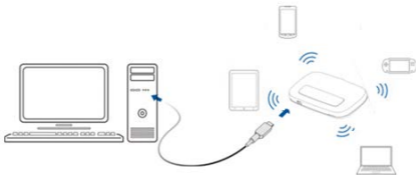
Indicator	Description
	Indicates network signal.
	Number of users connected through WLAN.
	Indicates battery capacity.
	Connect to CDMA-1X network.
	Connect to CDMA 2000 network.

1.4 Packing Lists

- A host
- A USB cable
- A guarantee card
- A certificate

1.5 Application Scene

This device support multiple Client Terminals share the internet via Wi-Fi or USB. The following picture is for reference.



Remark:

1.Connect the Client Terminal to this device via Wi-Fi or USB.

2.Before connecting via Wi-Fi, make sure the Client Terminal supports Wi-Fi function.

1.6 Sleep Mode

When the WLAN function is turned on and the device is powered only by battery, if no Client Terminals are connected to the device within 10 minutes, the device will enter into Sleep Mode, and the LCD display will be off. In Sleep Mode, WLAN function will be turned off, awake the device by pressing Power button, and then the LCD display will be on.

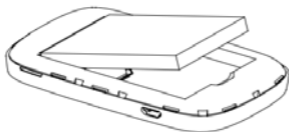
Chapter 2 Installation Instruction

2.1 Install SIM Card and Battery

1.Lift up the back cover as shown in the following picture, remove the back cover after it detaches from the clip.As shown in the following picture, insert the SIM card into SIM card slot.



2. As shown in the following picture, place the battery into battery slot.



Remark

Please insert the metal contact end of the battery first.

3. Align the back cover with the clip, place the back cover on the device, and close the back cover as shown in the following picture.



2.2 Power on/off Your Device

Press the Power button to turn on/off Your device.



Remark:

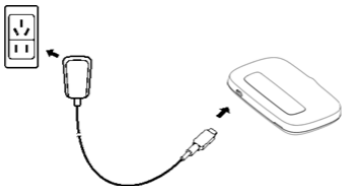
When the LCD display is on, Your device has already been powered on.

2.3 Charging

1. Connect Your device to the computer via USB line directly.



2. Connect the device to AC power socket via charger and USB line.



Note:

The plug of USB line can only be inserted into Your device in particular direction, please do not insert and pull it in an inappropriate way.

Chapter 3 Connect to Your Device

3.1 Via USB

1. Use a USB line to connect Your device to the Client Terminal.



2. Turn on Your device.

3. Choose an installing language.

4. Complete installation according to system prompts . (Skip this step for drive-free version)



Remark:

1. If the system does not support automatic installation, please run DriverSetup.exe program in My Computer> CD-ROM drive to start software installation.

2. After the software is installed successfully, the device driver will be installed successfully at the same time. Meanwhile in the *Device Manager* shows:



4G MIFI Android USB Ethernet/RNDIS

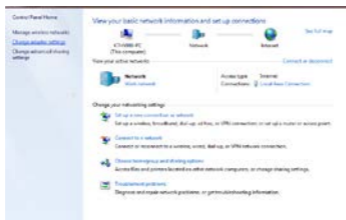
5. After installation, in Start> Program menu will show kfi-driver Client Terminal Program Group, meanwhile there will be a Shortcut icon on the desk (if Create a shortcut is clicked during installation). Later, connection between Client Terminal and the device will be created successfully.

3.2 Via Wi-Fi

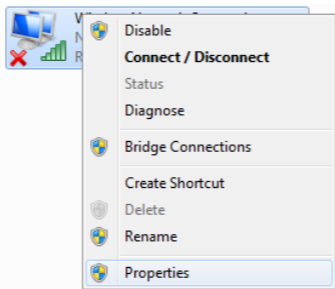
1. Turn on the device, wait for 1~2 minutes till the device initialization is completed.

2. Before connecting via Wi-Fi, please configure the computer. Take Windows 7 as an instance, configure Wi-Fi connection Internet Protocol.

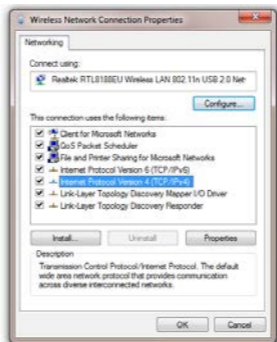
A) Click Start->Control Panel->Network and Internet->Network and Sharing Center, choose Change Adapter Settings.



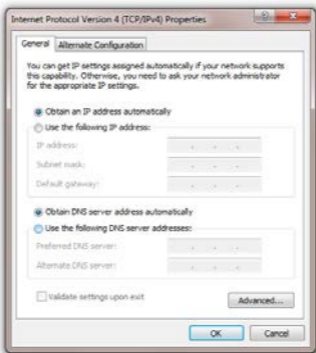
B) Right-click on Local Connection, choose Property.



C)Click Internet Protocol (TCP/IP), choose Property.



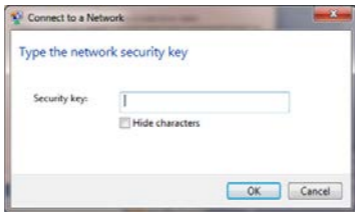
D) Select Obtain an IP Address Automatically and Obtain DNS Server Address Automatically, click Confirm to complete configuration.



3. Select the corresponding SSID of the device, click Connect.



4. Enter the Key and click Connect.

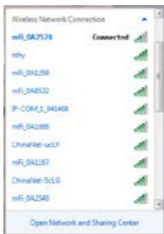


Remark:

In order to prevent the device from being used illegally, there may appear a prompt during installation and demanding the Key. Please refer to the device label to obtain the default SSID and Key info, or double-click WPS function button to

obtain SSID and Key.

5. Later, the Client Terminal will automatically connect to Your device,



3.3 Via WPS Function

If the client supports WPS features, you can refer to Chapter 5 LCD to operate the WPS.



Note:

Regarding the Client Terminal WPS operation process, please refer to the related instructions of client terminal.

1. Built connection between Client Terminal and device.
2. Start the browser, type <http://192.168.0.1> or <http://kfi.home/> in the address

bar to enter managing page.



Remark:

Advise 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).

Chapter 4 WebUI Managing Page

4.1 managing page

The Login interface of managing page is shown as follows.



4.2 Information

This page includes device information, Statistics, Data Limit Settings and System Logs.

4.2.1 Device Information

SIM Card Number	SIM Card Number provided by network operator.
IMEI	International Mobile Equipment Identification Number.
IMSI	International Mobile Subscriber Identification Number.
Network Name (SSID)	Click change to enter corresponding page to rename SSID.
Max Access Number	Users number accessd the device. options is 1~10.
Wi-Fi Performance	Set Wi-Fi work range. Click the Change key to enter related setting interface.
LAN Domain	LAN domain which device located.
IP Address	IP address of device.
MAC Address	MAC address of device.
Software Version	Shows the version of current WEB page.
Firmware Version	Shows the current firmware version.
Hardware Version	Shows the current hardware version.



4.2.2 Statistics

The page can display the current upload and download speed in this page, and can also display the data flow used and duration connection time of current month.

Copyright © 2012 2014

4.2.3 Data Limit Settings

You can set the enable and disable to the flow according to your requirements. When the data flow reached the set limitation, there will appear a reminding popup window.

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4.2.4 System Logs

The system log shows operation information of the current device.



4.3 Short Messages

After entering managing page, choose Short Messages to proceed following operation.

Select <i>SMS>Device SMS</i>	You can create, delete, refresh messages on this page.
Select <i>SMS >SIM SMS</i>	You can delete messages received on this page.
Select <i>SMS > SMS Setting</i>	You can set Validity and Center Number of messages, and whether set Delivery Report enable.



Remark:

When a new text message is created, the contacts can add up to five.

4.4 Phone Book

After log in managing page, select phone book, You can create, send, delete messages, group and conduct other operations.



Remark:

Please note the capacity of contacts in the phonebook,

4.5 Settings

4.5.1 Quick Settings

After log in the managing page, select Quick Settings.

4G MIFI PRODUCT

Limited Service China Unicom

English Logout

Home

Information

SMS

Phonebook

Settings

Quick Settings

Network Settings

Wi-Fi Settings

Device Settings

Firewall

Router Settings

Update

Quick Settings

1. Quick Setup 2 3 4 5 6

Next

The wizard will show you how to set up gateway safely. Click "Next" to continue, click "Previous" & "Next" to navigate, and click "Apply" to save settings.

Set basic parameters in this wizard. For advanced parameters, set them in other menu.

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Quick Settings will instruct you how to configure Your device in a safe method, please operate according to the page prompts. After correct configuration is completed, You will be enabled to use the internet service.



Remark:

All the parameters may be set by default; in that case, you can use the Internet directly. If you need to change the parameters, please consult your network operator.

4.5.2 Network Settings

In the Network settings page, you can operate dial settings, network settings, APN configuration.

1.Dial settings

In this page,two wan connection modes are optional:auto and manual.



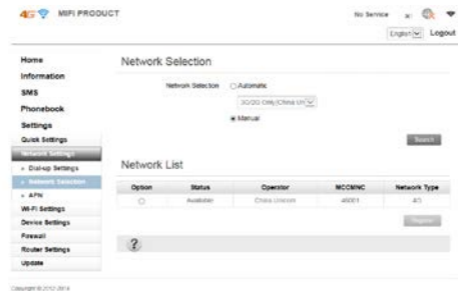
2. Network Selection

Two kinds of Network Selection: auto and manual.

Auto : There are four network selections in this mode,which are 4G/3G/2G、4G/3G、 3G/2G、 4G etc., user can choose favorable network mode according to specific circumstances of network.



Manual : select manual>search , entering the status of search network. After searching ,there will show a network list that the device can register,as shown in the following:



Select network available> register , After registering , network will be connected automatically again.



Remark:

When manual is selected,you should disconnect network on the home page or operate according to tips.

3.APN settings

In auto mode,the APN information will be configured automatically on the basis of SIM card inserted.

Generally , APN is configured automatically , if auto configure don't success, select manual please. For detail configuration information, please refer to your network operator.



The following is the way to set APN manually.

- 1) Disconnect data service manually , select manual> add on the APN page.
- 2) Input the profile name and IPV4 APN of APN added manually, then click Apply.
- 3) Back to APN page> manual ,select profile added ,then click set as default.

4.5.3 WIFI Setting

1. Basic setting

Wi-Fi basic setting includes: network name (SSID), safe mode, pass word selection and setting.

Home

Information

SMS

Phonebook

Settings

Quick Settings

Network Settings

Wi-Fi Settings

Basic Settings

Advanced Settings

WPS

Device Settings

Firewall

Router Settings

Update

Basic Settings

SSID

Network Name (SSID) * ALM-NIAF [x]

Broadcast Network Name (SSID) Enable Disable

Security Mode WPA-PSK/WPA2-PSK [v]

Pass Phrase * *****

 Display Password

Max Station Number 10 [v]

Apply Cancel



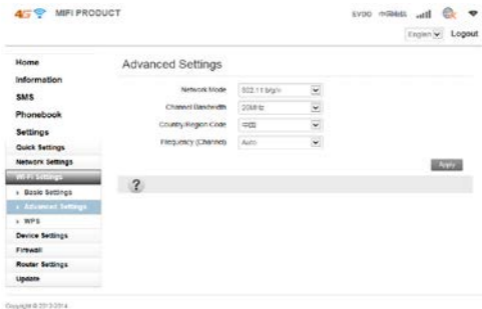
Copyright © 2012-2014

**Remark:**

For the network safe, please modify password timely.

2. Advance Setting

Including network mode、Channel Bandwidth、Country/Region Code、Frequency (Channel).



3.WPS Settings

You can enable Wi-Fi Protected Setup(WPS) by PIN(PIN code) or PBC(push-button) mode on this page.

PIN: Enter PIN that is generated by wireless access client.

PBC: Select PBC or press PBC button on the device.



4.5.4 Device settings

Device settings includes Account Management, PIN Management, Reset Factory Settings, Restart, Power save, Date Management.

1. Account Management

Account management is used to set WenUI login username and password for administrator , both of the initial value are admin.

The screenshot shows the 'Account Management' page in the MFI Product WebUI. The left sidebar contains a navigation menu with categories: Home, Information, SMS, Phonebook, Settings, Quick Settings, Network Settings, Wi-Fi Settings, Device Settings (selected), PIN Management, Reset, Restart, Power Save, Date Management, Firewall, Router Settings, and Update. The main content area has the title 'Account Management' and contains several form fields: 'Current Username' (with 'admin' entered), 'New Username', 'Confirm Username', 'Current Password', 'New Password', and 'Confirm New Password'. There are 'Apply' and 'Cancel' buttons for each section. A help icon (?) is visible at the bottom of the main content area. The top of the page shows 'MFI PRODUCT', signal strength, battery level, and 'Login' / 'Logout' links. The footer indicates 'Copyright © 2013-2014'.



Remark:

For protecting network , please modify login username and password of WebUI.

2. PIN Management

Select settings>device settings > pin management to modify pin status.

The screenshot shows the 'PIN Management' page in the MFI Product WebUI. The left sidebar is identical to the previous screenshot, with 'PIN Management' selected under 'Device Settings'. The main content area has the title 'PIN Management' and contains: 'PIN Status' with radio buttons for 'Enable' and 'Disable' (selected), a 'Change PIN' button, and a 'Current PIN' input field. Below the input field, it says 'Attempts Left: 3'. There is an 'Apply' button at the bottom right. A help icon (?) is visible at the bottom of the main content area. The top of the page shows 'MFI PRODUCT', signal strength, battery level, and 'Login' / 'Logout' links. The footer indicates 'Copyright © 2013-2014'.

When pin validate service is enabled,it is necessary to input pin code while entering login page first time.



Note:

SIM card will be locked if you input pin code three times incorrectly. For this case, please refer to your network operator.

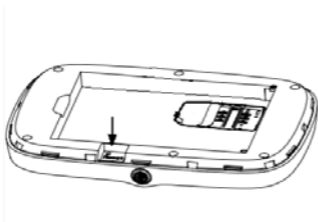
3.Reset to Factory Default

There are two ways to reset to factory default:

- In software,select settings>device settings>reset.



b). In hardware,press the position shown by the arrow for 3 seconds to restore to factory default.

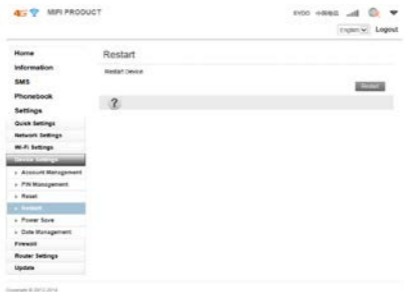


Remark :

If forget the WebUI login password,you can reset factory default by the hardware way , and login WebUI according to initial username and password.

4.Restart

In restart page, you can click on the restart button to restart the device.



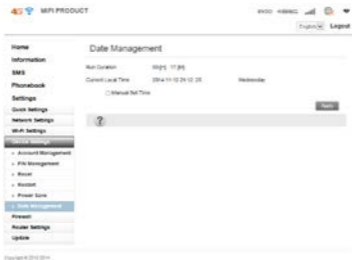
5. Power save

Because Wi-Fi coverage directly affect the device power consumption, please select the appropriate Wi-Fi performance settings and the sleep time.

The screenshot shows a mobile device's settings interface. At the top, it displays '4G LTE' and 'MFI PRODUCT'. On the right, there are status icons for signal strength, battery, and Wi-Fi, along with 'EVO' and 'Logout' options. A language dropdown is set to 'English'. The left sidebar contains a menu with categories: Home, Information, SMS, Phonebook, Settings, Quick Settings, Network Settings, Wi-Fi Settings, and System Settings. Under System Settings, there are sub-items: Account Management, PIN Management, Reset, Restart, Power Lock, Date Management, Firewall, Router Settings, and Update. The main content area is titled 'Wi-Fi Performance Settings' and includes three radio button options: 'Short Wi-Fi Range - Best battery life', 'Medium Wi-Fi Range', and 'Long Wi-Fi Range' (which is selected). Below this is a grey bar with a question mark icon and an 'Apply' button. The next section is 'Wi-Fi Sleep Settings', featuring a 'Sleep Time' dropdown menu set to '10 Minutes' and another 'Apply' button. At the bottom left, the text 'Copyright © 2012, 2014' is visible.

6.Date Management.

Run Duration	Shows the time device is turned on.
Current Local Time	Shows the current time of device.
Manual Set Time	Set the local time manually, take effect after application.

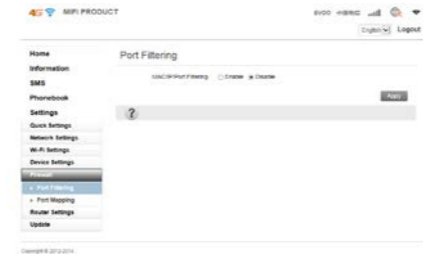


4.5.5 Firewall

You can set firewall policies to protect your network from viruses, worms and malicious activities on the Internet, to make the device running on a secure network.

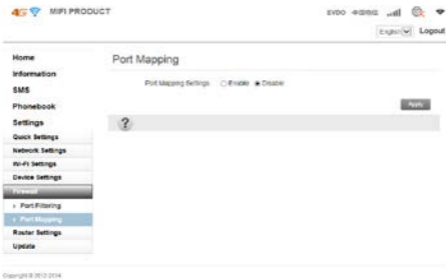
1. Port Filtering

when port filtering is enabled, you can set MAC/IP/Port Filtering by yourself, default setting is disabled.



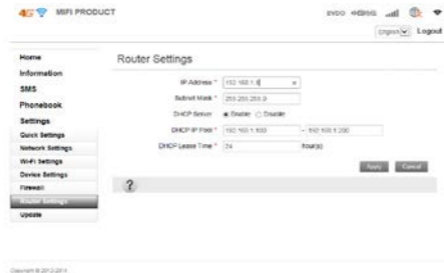
2. Port Mapping

Configure a Port Mapping to enable external computers to access WWW, FTP or other services provided by LAN.



4.5.6 Router Settings

You can set IP address, subnet mask , DHCP in this page.



The screenshot shows a web interface for a router. At the top, there is a status bar with 'MIFI PRODUCT' on the left and 'evdo 4G LTE' signal strength, battery, and Wi-Fi icons on the right. Below the status bar is a navigation menu on the left with options: Home, Information, SMS, Phonebook, Settings (highlighted), Quick Settings, Network Settings, Wi-Fi Settings, Device Settings, Firewall, and Update. The main content area is titled 'Router Settings' and contains the following fields:

- IP Address *
- Subnet Mask *
- DHCP Server * Enable Disable
- DHCP IP Pool * -
- DHCP Lease Time * hour(s)

At the bottom of the form are 'Save' and 'Cancel' buttons. Below the form is a grey bar with a question mark icon. At the very bottom of the page, the text 'Copyright © 2012-2014' is visible.

4.5.7 Update

Please download the latest installation package corresponding to device models on the website. Click Browse, select the upgrade program you have downloaded at local client, click on the upgrade, the system will automatically upgrade the device to optimize the use of the product.



Chapter 5 LCD display

LCD has main screen and five sub screen , on the power on status,you can double click power key quickly to switch each screen.

5.1 1th main screen

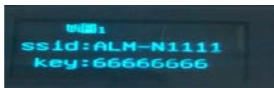
Display four status icon and network operator.

Signal strength	Using signal bar to display signal strength.
Network mode	LTE 4G EVDO 3G CDMA1 x 1x
WiFi	Using wifi icon to express whether wifi is enabled or not.
Battery capacity	Using battery icon to express current battery capacity.
Main body	Display the name of current network operator.



5.2 2nd WiFi

After entering this screen, it will display SSID, KEY and the numbers of WiFi accessed.



Remark:

While ssid and key is modified, lcd will update both of them synchronously.

5.3 3rd Data flow and Battery volume

After entering this screen, it will display the cumulative use of data flow and battery volume.



note:

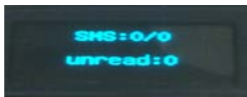
Date setting of clearing data is enabled in default. System will clear data flow of last month to zero automatically at 1st day of every month, and start to count current data flow again.

5.4 4th SMS

This screen displays sms information.

SMS: 0/0 : current sms numbers / sms capacity

Unread: sms unread

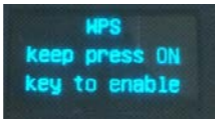


Remark:

LCD only display current sms numbers、 sms capacity and sms unreaded , the content of sms received can only read on the WebUI.

5.5 5th WPS

In this screen, you can long press power key can make LCD flicker and open wps .



Remark:

In this screen, long press power key can not let device power off, but to light the LED green and open wps .

5.6 6th Reset Factory Settings

After entering this screen, you can long press power key to reset all settings to defaults.



Load Default

Chapter 6 Safety Instruction

Personal Use

- Using this device and other RF equipment may cause interference to some equipment that has a bad performance for shielding, such as some electronic system in motor vehicle. When necessary, please consult the device manufacturer before using this device.
- When use this device near some medical device such as audiphones, cochlear implants and pacemaker, please keep at least 20 cm distance between this device and the medical devices; when necessary please power off this device. In You have other questions, please consult manufacturing factories of the medical device before using.
- When use in oil warehouse, chemical plant and other explosive production process, in hospital and other places that have special requirements, please pay attention to the using restriction to this device. If required, please do not use this device.
- Please place this device beyond children' reach, so that children will not treat it as a toy, and prevent personal injury.

- Please power off this device before plane taking off. In order to prevent interference to the plane communication system, during flight, it is forbidden to use this device. Using this device before plane taking off shall follow the safety regulation and get permission from the crew.
- When this device is working, please do not touch the built-in antenna area of the device, otherwise device performance will be affected.

Your Device

Please use accessories only from the original factory or approved factories. Using any unauthorized accessories will affect the performance of this device, and will be against product warranty terms and related national regulations about communication terminal products.

- Avoid to use this device near metal structure or devices that emit electromagnetic waves, otherwise it will affect signal acceptance.
- This device does not have waterproof performance, please keep it dry and store it in dry and cool environment.
- Please do not use this device after the temperature is rapidly changing. In that case, there may be condensation in or outside the device. Please wait for some time till the condensation disappears then use the device.
- Please take and place the device with caution. Do not drop, bend or crash the device, otherwise may cause irreparable damages to the device.

- Non-professional are forbidden to disassemble the device. If You need to repair it, please go to designated repair place for maintenance. Only qualified maintaining personnel can repair this device.
- The suggested using environment is 0°C ~ 35°C, moisture is 5% ~ 95%.
- Please do not short-circuit the battery to prevent battery damages, generation of heat and fire.
- It is forbidden to place the battery under high temperature environment or drop it in fire to prevent explosion.
- Please do not try to disassemble the battery.
- If the battery will not be used for some time, please discharge it and store it in a dry and cool place without light.
- When the battery and charger have been damaged or have been aging obviously, please stop using them.
- Please send back the aged battery to the supplier or place it in designated collection points, and do not drop it in household wastes.



Warning:

If the battery is broke and damaged, please do not touch the substances inside, if these substances contaminate skins, please flush with large amount of water, and seek medical help if necessary.

Chapter 7 Q&A

Q: 4G FLIER can be connected to wireless network, but has no data connection service, how to deal with it?

A: Please check the device APN setting first. Procedures are as follows:

Log in device WebUI page---->Click Setting---->Click Network

Setting---->Click APN---->Check or set APN

APN setting is divided into manual and automatic methods. If in automatic setting and no network connection, please consult Your network operator to obtain the correct APN parameters, and select manual setting to add the correct APN.

Q: What is this icon  for in website?

A: This icon  is for showing related settings of each web pages.