4G wireless 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/ WCDMA. 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/ WCDMA 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
FDD-LTE	150Mbps	50Mbps@ Bandwidth
		20M(CAT4)
WCDMA	21Mbps	5.76Mbps

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	Charger interface. USB interface between device and Client Terminal
Interface	
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	Instruction	
information		
1. Signal Indicator	Red light flashing means signal unstable	
	Green light flashing means signal good	
2. Electrical Voltage	Red light flashing means power lower than 20%	
Indicator	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.

Internet Protocol Version 4 (TCP/IPv4)	Properties
General Alternate Configuration	
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports ask your network administrator
Obtain an IP address automatical	γ
Use the following IP address:	
IP address:	
Subnet mask:	
Default gateway:	· · · · ·
Obtain DNS server address autom	natically
Ouse the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	
Validate settings upon exit	Advanced
	OK Cancel

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.

🖞 Connect to a Net	work		X
Type the netwo	ork security key		
Security key:	Hide characters		
		OK Canv	œ

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

Wireless Network Conn	ection	^	•
G4mFi_0A2524	Connected	all	_
kthy		all	
mFi_0A1258		ыI	=
mFi_0A8532		all	
IP-COM_1_041468		الد	
mFi_0A1099		all	
ChinaNet-ucLF		ыI	
mFi_0A1167		all	
ChinaNet-5cLG		ыI	
mFi_0A2549		-11	-
Open Network an	d Sharing Cen	ter	

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.

_		
Password	Login	

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.

		FDD-LTE	China Telecom ull 🗰 ti Modify Login Password	Logout English 🗸
<		Login Password		
	Current Password * New Password * Confirm New Password *			Apply
	When you log in wireless router, password)	need to input this password (passw	ord is different from your wireless	network

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.<u>1 Device SMS</u> 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.

•	•		
		FDD-LTE	China Telecom 📶 🌐 🕫 🚛 😤 🍘 Modify Login Password Logout English 🗸
<		Device SMS (0/100)	
	New Delete R	efresh	
Device	Number	Content	time
SIM Card			
Settings			

4.2.3.2 SIM SMS

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

		FDD-LTE	China Telecom 📶 🌐 H 💭 🛜 📟 Modify Login Password Logout English 🗸
<		Device SMS (0/100)	
Davies	Delete		
SIM Card	Number	Content	time
Settings			

4.2.3.3 SMS Settings

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

		FDD-LTE China Telecom 📶 🌐 🕂 🚛 🎅 💷 Modify Login Password Logout English 🗸
<		SMS Settings
Device	SMS Settings	
	Validity	Maximum +
SIM Card	Center Number *	+318540942000
Cattions	Delivery Report	○ Enable
Settings		Apply

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

		FDD-LTE	China Telecom 📶 🌐 ti 🗖 Modify Login Password Logou	t English 🗸
<		Phonebook (0/600)		
List	Delete	Save Location	Q. Search X All	• Group
New				oroup
Send				

4.2.4.2 New

		FDD-LTE China Telecom 📶 🌐 🕫 🚛 奈 💷 Modify Login Password Logout English 🗸
<		Phonebook (0/600)
List	New	
	Save Location	Device v
New	Name *	
	Mobile Number *	
Send	Home Number	
	Office Number	
	Email	
	Group	Common v

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-I	LTE China Telecom IIII 🕀 I I Modify Login Password	Logout English 🗸
	<		Advanced Settings		
	Power-save	Wi-Fi Performance	e Settings		
Ì	Router	Wi-Fi Coverage	 Short Wi-Fi Coverage - Best battery life Medium Wi-Fi Coverage ⊛ Long Wi-Fi Coverage 		Apply
	Firewall	?			Арру
	Update	Wi-Fi Sleep			
	USSD	Sleep after	10 Minutes	Ţ	
	DDNS				Apply
1	Others	?			

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 services trings view DHCP IP pool, DHCP lease, as shown below.

		FDD-LTE China	Telecom III III III III III III IIII IIII II
<		Advanced Settings	
Power-save	Router		
	IP Address *	192.168.0.1	
Router	Subnet Mask *	255.255.255.0	
	DHCP Server	Enable O Disable	
Firewall	DHCP IP Pool*	192.168.0.100	
Update	DHCP Lease Time*	24 hour(s)	
USSD			Apply
DDNS	?		
Others			

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.

				FDD-LTE	China Telecom 📶 🌐 t Modify Login Password	Logout	奈 (■ English ↓	
	<		Advanced Se	ttings				
	Power-save	Port Filtering	0					
l	Router	Port Mapping Port Forwarding	0					
	Firewall	UPnP	0					
I	Update							
l	USSD							
1	DDNS							
l	Others							
	DDNS							

4.2.5.4 Update

FDD-LTE China Telecom 📶 🌐 🕂 💼 🤝 📟 Modify Login Password Logout English 🚽 < Advanced Settings Check New Version Power-save Router 0 Firewall Auto Check Settings Auto-check New Version Enable
 Disable Check this option, the device will update when roaming, which will incur roaming charges. USSD DDNS 2 Others

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

4.2.5.5 USSD

		FDD-LTE	China Telecom
<		Advanced Settings	
Power-save	Check New Version		
Router	Send to *		
Firewall	0		Sena
Update	Ø		
USSD			
DDNS			
Others			

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			
Power-save	Please login again after rebooting o	ar resolting rauler		
Router		l	Restart Device	Reset Factory Settings
Firewall	Tum Off Device			
Update	Fast Boot Settings			Turn Off Device
USSD	Fast Boot Settings If enable Fast Boot function, your d	○ Enable ⊕ Disable svice will start in a short time		
DDNS				Apply
0/5-00	SNTP			
Others	Current Local Time	2018-04-09 15:51:53 Monday		
	Time Set Mode	Snip auto Synchronization		
	SNTP Server1*	time-nw.nist.gov 💡		
	SNTP Server2*	pool nip.org 👻		
	SNTP Server3*	europa pool nip.org v		
	Time Zone	(GMT+08.00) Beijing, Chon 🗸		
	Daylight Saving Time	Disable +		
				Apply
	PIN Management	0		

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 Logi	ull 🐠 H	Logout English .
<		PIN Manageme	nt			
	PIN Status	⊕ Enabrio ⊙ Desable	Change PIN			
	Current PIN	Atempts 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

				FDD-LTE	China Telecom 📶 🌐 Modify Login Password	ti Logout English V
<	The wizard click "Apply	will show you how to set uj " to save settings. For adva	Quick Set b basic parameters o inced parameters, se	t ings f gateway safely: Click t them in other menu.	«"Previous" & "Next" to navigat	e, and
		APN Settings				Next
		APN Settings	 Auto 	⊖ Manual		
		?				

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).

				FDD-LTE	China Telecom Modify Log	utili 🌐 🕂 💼	d English 🗸
<	The wizard click "Apply	will show you how to set up basi * to save settings. For advanced	Quick Settir c parameters of ga parameters, set th	1 gs iteway safely: Clic em in other menu	k "Previous" & "Next	" to navigate, and	
		SSID				Previous	Next
		Network Name (SSID) * SSID Broadcast	mFL0CD2B1 () Enable	O Disable]	
		0					

Clik "next" to enter the security mode settings interface

4.2.6.3 Security Mode

			FDD-LTE China Telecom 📶 🌐 H 💷 😤 🛲 Modify Login Password Logout English 🗸
<	The wizar click "App	d will show you how to set up ly' to save settings. For adva	Quick Settings basic parameters of gateway safely: Click "Previous" & "Next" to navigate, and need parameters, set them in other menu.
		Security Mode	Previous Next
		Becurity Mode Pass Phrase *	WPA2 (AES) - PSK
		?	

Click next to enter the device configuration settings

4.2.6.4 Configuration As Follows

		FDD-LTE	China Telecom 📶 🌐 🕂 💼 🋜 🗐 Modify Login Password Logout English
K The wizar click "App	d will show you how to set up basic ly" to save settings. For advanced p	Quick Settings parameters of gateway safely: Cliv parameters, set them in other menu	ck "Previous" & "Next" to navigate, and I.
	Configuration as Follows		Previous Apply
	APN Settings	Auto	
	Network Name(SSID) Broadcast Network Name (SSID)	mFi_0CD2B1 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.

		FDD-LTE China Telecom 📶 🌐 🕂 🚛 奈 🛲 Modify Login Password Logout English 🗸
<		Connection Settings
Connection Mode	Connection Mode	
Network Selection	Connection Mode	 e Automatio ○ Manual W Check here, you can connect to internet in the roaming status.
APN		Apply

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-sucessfully, please select manual configuration.

		FDD-LTE China Telecom 📶 🌐 😝 🚛 奈 🛲 Modify Login Password Logout English 🗸
<		Connection Settings
Connection Mode	Network Selection	
Network Selection	Network Selection	⊛ Automatic v ⊙ Manual
APN		Apply

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.

		FDD-LTE China Telecom 📶 🌐 H 🚛 泠 📟 Modify Login Password Logout English 🗸
<	Cor	nnection Settings
Connection Mode	APN	
Connection would	Current APN	China Telecom 4G
Matural: Colection	Mode	Auto OManual
Network Selection	Profile	China Teleoom 4G 🔹
APN	PDP Type	lpv4 v
	Profile Name	China Telecom 4G 🔹
	APN	ctnet v
	Authentication	PAP *
	User Name	
	Password	
	Dial No.	

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			

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.

			FDD-LTE	China Telecom III Modify Login Pa	assword Logout	English 🗸
<	You car	Data Managem	i ent ised and left	statistic		
	Data Management Data usage is approximate only. F	ं Enable For actual usage, please refer to your r	⊕ Disable network operato	r.	A	pply

4.2.10 Status Information

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



4.3 Warning

FCC RF EXPOSURE INFORMATION:

WARNING!! Read this information before using your 4G Wireless Router

In August 1986 the Federal Communications Commission (FCC) of the United States with its action in Report and Outer FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this 4G Wireless Router complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas modifications, or attachments could impair call quality, damage the 4G Wireless Router, or result in violation of FCC regulations. Do not use the 4G Wireless Router with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

BODY-WORN OPERATION:

This device was tested for typical body-worn operations with the back/front of the 4G Wireless Router kept 1cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1cm must be maintained between the user's body and the back/front of the 4G Wireless Router, including the antenna. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories that cannot maintain 1cm separation distance between the user's body and the back/front of the 4G Wireless Router, including the 4G Wireless Router, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided. For more information about RF exposure, please visit the FCC website at www.fcc.gov

Your wireless handheld portable 4G Wireless Router is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held 4G Wireless Router. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

<ANSIC95.1> (1992) / <NCRP Report 86> (1986) / <ICNIRP> (1999)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). Nevertheless, we recommend that you use a hands-free kit with your 4G Wireless Router (such as an earpiece or headset) to avoid potential exposure to RF energy. The design of your 4G Wireless Router complies with the FCC guidelines (and those standards).

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the 4G Wireless Router and may violate FCC regulations.

NORMAL POSITION:

Hold the 4G Wireless Router as you would any other 4G Wireless Router with the antenna pointed up and over your shoulder.

RF Exposure Information:

This product is compliance to FCC RF Exposure requirements and refers to FCC website https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm search for FCC ID: 2AWCR-D523F to gain further information include SAR Values.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications 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

Do not use the device with the environment which below minimum -10 $^\circ\!{\rm C}\,$ or over maximum 50 $^\circ\!{\rm C},$ the device may not work.

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

This device is acting as master and operating in the 2.4 GHz (2412 ~2462 MHz) band. Ad Hoc function is supported but not able to operate on non-US frequencies.