ALM-N245 4G MiFi

User Manual

v1.0

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Chapter 1 Introduction

1.1 Introduction

ALM-N245 is one of the MiFi products that supports CDMA /TD-LTE/LTE FDD network. The Client Terminal can be connected to ALM-N245 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	 Charger interface; USB interface between device and Client Terminal.
2.	LCD Display	To instruct device conditions.
3.	Power Button	 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
all	Indicates network signal.
Wi E 1	Number of users connected through WLAN.
-11111	Indicates battery capacity.
G	Connect to CDMA-1X network.
ΞG	Connect to CDMA 2000 network.

ЧG

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.





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

 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.





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.

 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.

Contrain Free room	View your basic network information and	set up connections
Manage and tax sets and a Compare advector setting Compare advector advector and tax and and tax and advector	EDH0525-PC (Dis company) We your active setupts For setupts For setupts For setupts	Connect on State National Connect on Statement Access Syster Connections of Local Area Connection
	Change your reducting utilings Storage new connection or network Strage newseles, broadband, daring, at her Strage Connect for a metwork	en 1876 connection, er set og a nocker er access point.
	Connect or reconnect to a worder, word, or Choose Annuegroup and charing options Access files and printers located on other red	n vag, or time network connection.

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



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

🔋 Wireless Network Connection Properties 🗾
Networking
Connect using:
Realtek RTL8188EU Wireless LAN 802.11n USB 2.0 Net
Configure
This connection uses the following items:
Clent for Microsoft Networks
CoS Packet Scheduler
File and Printer Sharing for Microsoft Networks
 Internet Protocol Version 6 (TCP/IPv6)
Internet Protocol Version 4 (TCP/IPv4)
Link-Layer Topology Discovery Mapper I/O Driver
 Link-Layer Topology Discovery Responder
Install Uninstal Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication
across diverse interconnected networks.
OK Cancel

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

General	Alternate Configuration				
You car this cap for the	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.			upports strator	
	btain an IP address automati	cally			
- ® U	se the following IP address:				
IP a	ddress:				
Subr	net mask:				
Defa	ult gateway:				
	htain DNS earner address and	omatically			
U	se the following DNS server a	ddresses:			
Pref	erred DNS server:				
Alter	mate DNS server:				
- v	alidate settings upon exit			Adva	nced
			OK		Cancel

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

Wireless Network Connection	^ ^
kthy	- A
mFi_0A1258	- 41
mFi_0A8532	- A
ChinaNet-5cLG	- 4
ciscosb-1	- 41
mFi_454899	- 41
IP-COM_1_041468	- 41
mFi_0A1099	- 41
ChinaNet-ucLF	- 41
MISSS_FCC2	- al
Open Network and Sharing C	ienter

4. Enter the Key and click Connect.

Connect to a Net	work		X
Type the netwo	ork security key		
Security key:	Hide characters]
		ОК	Cancel



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,

Wireless Network Conv	nection •	
mFi_0A2524	Connected	
kthy	1	Ш
mFi_0A1258		
mFi_0A8532	1	Ш
1P-COM_1_041468	1	ш
mFi_0A1099	1	
ChinaNet-ucLF	1	
mFi_0A1167		
ChinaNet-5cLG		
mFi_0A2549		e
Open Network a	nd Sharing Center	

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 SubscriberIdentification 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.
40 💎 MI	TPRODUCT EVEN all OIL *

			English(w) Logout
Home	Device Information		
Information			
CONTRACTOR OF A	THE CARL REPORT		
Statistics	0.421	3526220+890+969	
Data Limit Settings	0.455	204043222549973	
Bystem Logs	Network Name (XXXD)	ALM-NISAFT COMPE	
SMS	Max Access Number	10	
Phonebook	INT. PT Performance	Long WART Mange Scherupt	
Settings	LAN Domain	ent.home	
	IP Address	992 168 1.1	
	VIAN IP ADDRESS	10.103.04.133	
	Software Version	WEB_LE_AMPIVI.0.0001	
	Patrixiale Verlags	LE_ND43V1 E 0801	
	Hardware Version	#F1104V1.0.0	
	?		

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 curent month.

Home	Statistics				
Information			Upload		Download
Device Information	Speed		Ob/s		Obis
Data Limit Sattings		Duration	Downloaded	Uploaded	Total Used Data
System Logs	Current Connection	00:00:24	254.42903	86.63KB	441.05823
eme	Current Month	02:21:18	11.49MB	1.57MB	13.07MB
Oheeshaab	- Data usage is approximate or	ly. For actual usage,	please refer to your nets	rork operator.	
Phonebook					-
settings					Gase
	?				

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.

Home	Data Limit Settings					
information	first come of shoring data	a factor of the state				
Device Information	Late secury or Dearing usia	B Drave . () Drave				
Statistics	Ceardan	1	<u>v</u> 04			
oora Linnk Selangs	Data Use Limit	O Enable · Cisable				
system Logs					 Activ	L
SMS	2					
Phonebook						
Settings						

4.2.4 System Logs

The system log shows operation information of the current device.

		English 🗹 🔒
Home	System Logs	
Information	(Wed Nov 12 21:05:30 2014) User clear Byslem Logs.	
Device information		
Data Limit Sattines		
System Logs		
SMS	•	
Phonebook		
Settings		
	Chur	
	2	
	T.	

4.3 Short Messages

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

Select SMS>Device SMS	You can create, delete, refresh messages on this page.
Select SMS >SIM SMS	You can delete messages received on this page.
Select SMS > SMS Setting	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.

Home	Phonebo	ook (0/350)			
Information SMS	New	Send Message Del	inter Delinter Ad		Q, Search >
Phonebook	-	Name 0	Save Location 0	Mobile Number	C Group
All					Page:
Common	2				
Family					
Friend					
Colleague					
Settings					



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.

Home	Quick Settings
information	1 Outline Entrum
SMS	Notes and the factor of the factor
Phonebook	
Settings	The wizard will show you how to set up gateway safety: Click "Next" to continue, click "Previous" & "Next" to navigate, and click "Apply" to save settings.
Duick Settings	Set basic parameters in this wizard. For advanced parameters, set them in other menu,
Network Settings	
Ni-Fi Settings	
Device Settings	
Firewall	
Router Settings	
Update	

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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.



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.

Home	Dial-up Settings	
information		
SMS	WARE CONNECTION WORK	 Addriate
Thomebook		Cleak lies, you can cleaned to allered a the marking status.
Settings		Otherail
Quick Bettings		Posts -
	2	
Report Friday	- To charge curved welling please day	connect from network.
ADV	- Admate Te data all admate	a) correct to values i when it is prevent on.
and Automa	- Hanual. The device will connect to re-	bot nevels.
Device Settings		
Frenal		
lover Settings		

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:

	UCT			No Serv	English V Logo
Home	Network \$	Selection			
Information SMS Phonebook	5	ietwork Selection	O Automatic 35/25 Only[China Un		
Quick Settings Notwork Settings > Dial-up Settings	Network l	.ist			Search
Quick Settings Network Settings > Dial-up Settings > Network Selection	Network L	.ist Status	Operator	MCCMNC	Search Network Type
Quick Settings Network Settings Dial-up Settings Network Selection APN	Network L	ist Status Available	Operator China Unicom	MCCMNC 45001	Search Network Type 4G

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Select network available> register , After registering , network will be

connected automatically again.



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.

					transie La	-
Home	APN					
information						
SMS		Current APS	Chea Trecon			
Proprinte		Hote	#Atb Olleval			
		Profile	Chris Tubbiot	¥		
Samings		POP 7(pe	Pat	8		
COLOR & CLOSER		Profile Name 1	Chies Turecon			
· Dal-up Settings		PHAPN -	thet			
· Network Selection		PHADORIAN	1942	8		
		Put User Name	(Netlinetro))			
AL-FL Settings		and the second				
Device Settings						
Frewall					COLUMN 2	r.
Router Settings	0					
inter .						

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.

4 mifi PRODUCT

EVDO 中国地位 attl ① ◆

Home	Basic Settings			
Information SMS	SSID			
Phonebook	Network Name (SSID) *	ALM-N1AF1	×	
Settings	Broadcast Network Name (SSID)	Enable O Disat	ble	
Quick Settings	Security Mode	WPA-PSK/WPA2-	PSFV	
Network Settings	Pass Phrase *			
Wi-Fi Settings		Display Passwo	rd	
 Basic Settings 	Max Station Number	10	~	
Advanced Settings				
> WPS				Apply Cancel
Device Settings	2			
Firewall				
Router Settings				
Update				

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Remark:

For the network safe, please modify password timely.

2.Advance Setting

Including network mode, Channel Bandwidth, Country/Region Code,

Frequency (Channel).

4G 🔶 MIFI PRODI	ист			EVDO 中国电位		🔍 🤊
					English 💌	Logou
Home	Advanced Settings					
Information			1000			
SMS	Network Mode	802.11 big/n	¥			
Phonebook	Channel Bandwidth	20MHz	-			
	Country/Region Code	中国	~			
Settings	Frequency (Channel)	Arto				
Quick Settings						
Network Settings					- 4	coly
Wi-Fi Settings	2					
Basic Settings	1					
Advanced Settings						
> WPS						
Device Settings						
Firewall						
Router Settings						
Update						

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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.

4G 💎 MIFI PRODU	ст		EVDO HRRA atl 🕀 🗢
Home	WPS		
Information SMS Phonebook		SSID ALM-NIAF1	
Settings Quick Settings	2	⊖ PBC	Aresty
Heatings Week Settings Basic Settings	C.		
Advanced Settings WPS Davice Settings			
Firewall Router Settings			
Update			

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.

			English V Logo
Home	Account Management	t	
Information			
SMS	Current Usemanne *	admin	
Phonehook	New Usemame *		
- Indiana - Indi	Confirm Usemane *		
settings			
Quick settings			Apply Cardel
Network becongs	Control Descent A		
Desire Settors	Carlest Passage		
Account Management	New Password *		
PIN Management	Confirm New Password *		
> Reset			Apply Cancel
Restart	2		
> Power Save	1		
> Date Management			
Firewall			
Router Settings			
Update			



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

2. PIN Management

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

			English V Logo
Home	PIN Management		
Information			
SMS	PIN Status	Change PIN	
Phonebook		(# Disable	
Settings	Current PIN *		
Quick Settings		Attempts Left: 3	
Network Settings			BE
WI-FI Settings			
Device Settings	3		
Account Management			
PIN Management			
Reset			
Restart			
Power Save			
Date Management			
Firewall			
Router Settings			
Jpdate			

26

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

and the second se	
45	
SM card is locked, please input PN to unlock Attempte cart 0	
PN	



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:

a). In software, select settings>device settings>reset.

45 🝷 MIFI PRODU	ст	evoo +0000 atti 🔿 🕶
Home	Reset Factory Settings	
Information	Reset Factory Settings	
5M5		Read
Phonebook	0	
Settings	C C	
Quick Settings		
Network Settings		
WI-Fi Settings		
Device Settings		
> Account Management		
PIN Management		
> Reset		
> Restart		
> Power save		
 Date Management 		
Preval		
mouner settings		
Update		

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





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.

4G 😤 MIFI PRODU	ст	🗢 🧔 lin, mesto cova
		English V Logout
Home	Restart	
Information	Restart Device	
SMS		Restart
Phonebook	â	
Settings	1	
Quick Settings		
Network Settings		
Wi-Fi Settings		
Device Settings		
Account Management		
> PIN Management		
Reset		
 Restart 		
Power Save		
 Date Management 		
Firewall		
Houter settings		
upane		

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.

4G 👻 MIFI PRODU	ст			EVDO 469tbl	the state	
Home	Wi-Fi Performance S	ettings				
Information SMS Phonebook	W-Pi Performance	 Short WI-FI Rat Medium WI-FI Rat Long WI-FI Rat 	ige - Best battery kange ge	ife		
Settings Quick Settings Network Settings Wi-Fi Settings	3				5	coly
Device Settings	Wi-Fi Sleep Settings					
Account Management FIN Management Reset	Sieep Time	10 Minutes				usiy
 Restart 	2					
> Date Management	U.					
Firewall						
Router Settings						
Update						

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.

4G 😤 MIFI PRODU	ют		EVD0 +4	test and 🚭 🗢
Home	Date Manage	ement		
Information	Run Duration	00 (H) : 17 (M)		
Phonebook	Current Local Time	2014-11-12 21:12:25	Wednesday	
Settings Quick Settings	C Hanal de	une .		Apply
Natwork SatSings	2			
Wi-Fi Settings				
Account Management				
PIN Management				
> Reset				
Restart				
Oate Management				
Frevall				
Router Settings				
Update				

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.

45 🍷 MIFI PRODU	ст	EVDO +REE all 🔍 🕈
Home	Port Filtering	
SMS Phonebook	MACIPIPod Pittering O Enable Book	Acoly
Settings Quick Settings	2	
Network Settings Wi-Fi Settings Device Settings		
Fitwall Port Filtering		
Port Mapping Router Settings		
Update		

2. Port Mapping

Configure a Port Mapping to enable external computers to access WWW, FTP

or other services provided by LAN.

4G 😤 MIFI PROD	JCT	EVDO +58468 vill 🛞 🕈
Home	Port Mapping	
Information SMS	Port Mapping Settings 🛛 Enable 🛞 Disable	
Phonebook		Acoly
Settings	?	
Quick Settings		
Network Settings		
WI-FI Settings		
Device Settings		
Freid		
Port Filtering		
Port Mapping		
Router Settings		
Update		

4.5.6 Router Settings

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

Home	Router Settings					
Information SMS	IP Address *	192.965.1.1				
Phonebook	Subnet Mask *	255 255 255 0				
Settings	DHCP Selver	• Diable () Disable				
Quick Settings	DHCP IP P00 -	192,168.1.100	- 192.168.1.200			
Network Settings	DHCP Lease Time *	24	hour(s)			
WI-Fi Settings				Apply	Caree	ŝ.
Device Settings				-	-	-
Firewall	?					
Router Settings						
Update						

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.

4G 🍷 MIFI PROI	DUCT		EVDO	409441 1	attl ngish 💌	C Log	e gout
Home	Update						
SMS	No file selected	Browse	Update				
Phonebook							
Settings	?						
Quick Settings							
Network Settings							
WI-Fi Settings							
Device Settings							
Firewall							
Router Settings							
Update							

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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× 1×	
WiFi	Using wifi icon to express whether wifi is enabled or not.	
Battery capacity	Using battery icon to express current battery capacity.	
Main body	body Display the name of current network operator.	



5.2 2nd WiFi

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



Remark:

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

5.3 3rd Data flow and Battery volume

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



Anote:

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

5.4 4th SMS

This screen display sms information.

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

Unread: sms unreaded





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 .





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.



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 drv 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.

QWarning:

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 O&A

O: ALM-N245 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.

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. Operation is subject to the condition that this device does not cause harmful interference

Caution: Changes or modifications not expressly approved by the manufacturer could void the user' s authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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

Health and safety information

Radio Frequency (RF) Energy

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

This LTE Mobile hotspot is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government:

The exposure standard for wireless LTE Mobile hotspot 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 LTE Mobile hotspot transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the LTE Mobile hotspot while operating can be well below the maximum value. This is because the LTE Mobile hotspot is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model LTE Mobile hotspot as reported to the FCC when worn on the body, as described in this user guide, is 1.28 W/kg (Body-worn measurements differ among LTE Mobile hotspot models, depending upon available enhancements and FCC requirements).

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

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

FCC ID: XYOALM-N245

For body worn operation, this LTE Mobile hotspot has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 10 mm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the LTE Mobile hotspot at the ear, position the handset a minimum of 10 mm from your body when the LTE

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Mobile hotspot is switched on.