RECYCLABLE PACKAGING	Network Digital Trunking Radio
	USER'S MANUAL
688 MADE IN CHINA	



Warning

Turn radio off completely when in a flammable environment (gas, dust, fog) e.g. gas station.

General information before use

Please observe the following instructions to prevent, fire, injury and damage to the radio.

The recommended use pattern is one minute of transmission and 4 minutes of reception.

Constant transmission over long periods of time will cause over heating on the back of the radio.

If this occurs, do not place the back of the radio on a plastic surface.

The radio must be remade under no circumstances.

Please do not expose the radio to direct sunlight or any other heat source for long periods of time.

Please do not expose the radio to dust, damp, spillages or objects that are unstable.

If abnormal odour or smoke is noted of the radio, please turn off the radio immediately, remove the battery unit and contact us.

Main function

Unlimited talking distance, cover a whole country

Single call / group call / friend call

Low battery prompt

Long time standby

High Audio / clear voice

Programming on the air

Upgrade on the air

SOS

Time Zone switch

GPS location

Talk priority setting

CONTENTS

Open the box and check the device	01
Packing list as below:	01
Preparation work	02
Installing/Uninstalling accessories	03
Battery	03
Installing the Lithium battery	03
Attributes of Lithium battery	03
Installing belt clip	04
Uninstalling belt clip	04
Installing SIM card	05
Getting to know the radio	06
Introduction	07
Switch on / off radio	07
Adjust Volume	07
Push To Talk (PTT) button	07
Group/member select	07
Lock/Unlock Keyboard	07
Friend Select	08

Playback (Voice Records)	09
Location Information	09
Menu	09
Simple troubleshooting	09
Software Introduction	11
Create account in programming software	11
Programming Account on the air	12
Platform Introduction	14
4G LTE smart PTT management platform	14
Dispatch management platform Instruction	19
System Specification	25
Guaranlee	

Open the box and check the device

Please remove the radio carefully from the box. We suggest you check the accessories thoroughly according to our list before discarding the packaging. If any part is missing or damaged when you receive it, please contact us.

Packing list as below:









Radio body*1

USB Cable*1

battery*1

Adapter*1





Belt clip and Screw*1

User Manual*1

Preparation work

Warning:

- Do not over charge the battery.
- If the battery charge is not completed in normal time, please stop charging. The battery may flame, smoke or crack due to an abnormal charging process.
- Do not put the battery in a microwave or high pressure container. The battery may flame, smoke or crack.
- Do not expose a broken battery to a flame.
- If the battery is broken or has an abnormal odour, please remove the battery from the radio and keep it away from any flammable environments. The battery fluid is extremely flammable.
- Do not use abnormal batteries
 If the battery is abnormal in odour, colour, shape or in any other form, please remove it from the charger or radio and do not use.
- Please only use charger and adaptor

The charger and adaptor have been designed to be used exclusively with the Radio. It ensures safety and reliability when charging the battery.

Installing/Uninstalling accessories

Battery

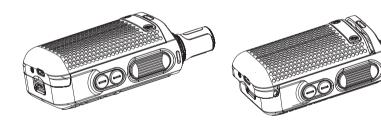
Charge before use.

To reduce electrical emission in the battery, please remove the battery from the radio when not in use and store the battery in a cool dry place. When storing the battery for long periods of time: Remove battery from the radio.

If possible, fully charge the battery before storage.

Store the battery in a cool dry place (temperature less than 25 Celsius).

Installing the Lithium battery



Attributes of Lithium battery

After repeated charging process, the battery capacity will decrease.

The battery degenerates gradually even without being used.

More time is required if charging the battery in cool conditions.

Charging and storage of the battery in relatively warm conditions will jeopardize its service life.

Please do not store the radio inside a vehicle or near heating equipment.

If the duration of the battery shortens significantly, please replace the battery immediately to prevent any fluid leaks.

Installing belt clip

If required, screw the belt clip onto the back of the radios using the two screw holes shown on the image below.



Uninstalling belt clip

Remove the two screws to disassemble belt clip

Installing SIM card

Please insert effective SIM card before use, make sure the SIM card can be effective in 4G/3G radio.

Remove the battery Cover.

Lift SIM socket cover, place SIM card in the socket in the correct position.

Replace the battery.



Tips:

Please turn off the radio before lifting battery out of the battery compartment to avoid data losing.



Introduction

Switch on / off radio

Long press the button in red 2s turn On / Off the radio.

Note: if the keyboard is locked, please unlock the radio before turning it off.

Adjust Volume

Press side key 1 for volume up, and side key 2 for volume down.

Long press the green button to mute radio.

Push To Talk (PTT) button

When you Press the PTT key, the display will show: I speaking 120 seconds

The indicator will keep in red at the same time.

When receive Group member call, the display will show: Calling ID / Name and the indicator will keep in green.

Group Select (Group call)

You can change the current group in this function:

Enter menu-Group selection, press the side key 2 to choose your group, press the mid-button to confirm and enter your group.

Member Select (Single call)

You can select the members which are online to make temporary call:

Enter menu-member selection, and then select the member which is online by the Up and Down selection key

Press mid-button to confirm Member and start to call.

Lock/Unlock Keyboard

Long press the red key to lock or unlock the keyboard.

Playback (Voice Records)

Press Menu key and select the Setting. Then Press the No.6 Record: Switch on the Record .

Voice Records will save recently 1 Calling record.

Location Information

Using the radio outside and waiting for around 1 minutes .

Switch on location information: radio will show current Latitude and longitude and Satellite

Menu

Unlock the keyboard, and choose following functions by Up and down select key Group select

Member select

Friend Select
Location information (GPS)

Local Setting

Simple troubleshooting

If your radio shows and of the following problems, please check the instructions below and if the problem still persists then contact us

Poor reception: Possible reasons are signal in your current location is weak or the line is busy. If this happens, please move somewhere with improved signal or wait a while before attempting again.

Echo or noise: A possible reason is that the quality of the network provider is flawed. Please restart the radio, this will let it automatically search for an available network with better quality.

Less battery duration: Possible reasons are using and charging the battery in high temperature conditions or searching for a network constantly in a weak network area. If you are in an area with a weak signal, please temporarily switch OFF the radio.

Unable to connect to a network: Possible reasons are that the SIM card is not effective, poor signal or being out of the network service area. Please try either replacing the SIM card or move to a position that is more open, i.e. if you are in a building, move nearer the window,

Software Instruction

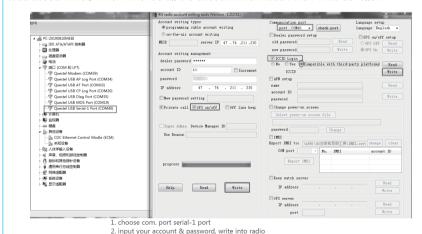
IP Server address:

American: 47.254.88.91 /Singapore: 47.74.211.230

- 1. Create account in programming software
- 1.Programming account by Cable

Turn on the radio Normally. Connect the programming cable with computer for programming USB cable also the same programming cable:

Read account first. When finished all the account information then write as follow:



3. click ICCID login-Compatible with third party platform, and write into radio

count writing types	Communication port Language setup	
programming cable account writing	port COM40 - check port language English	•
on-the-air account writing	Dealer password setup GPS on/off setu	up
ID server IP 47 .74 .211 .230	old password Read @ GPS Off Rea	ad
count writing management	new password Vrite GPS On Vrit	te
ealer password *****	VICCID Login	_
ccount ID Increment	No (Yes) Compatible with third-party platforms Res	
	ICCID West	ite
assword	APN setup	
P address 47 . 74 . 211 . 230	name	ad
	account ID	+ 4
New password setting	password	
Private call GPS on/off Soff line beep	Change power-on screen	
	Select power-on screen file	
Super Admin Device Manager ID	password Change	
Use Reason	TIMET	
1. Choose comport serial-1	Export IMEI to: (x86)\4G对讲机写码工具\IMEI,csv Change cle	ear
2. ICCID login, click "yes"	COM port - No. IMEI account ID	
3. Read from radio and then write	into radio est puri	
3. Read from radio and then write		tly
3. Read from radio and then write	e into radio or DET of om radio and login direct Executation of the server of the ser	tly
3. Read from radio and then write	e into radio ort IMEI o will detect ICCID from radio and login direct	
3. Read from radio and then write progress 4. Insert SIM card into radio, radio	e into radioport IMEI powill detect ICCID from radio and login direct Keep watch server	
3. Read from radio and then write progress 4. Insert SIM card into radio, radio	e into radioort MEI Download Into radio and login direct Keep watch server Read	

2.Programming Account on the air

Turn on radio and press menu key, select the setting No 5. Firmware Update

Choose OTA Upgrade, and checking the MEID code: such as: 7EEA8BA

Then Open the software

Click the On-the- air account writing

Input the MEID code such as: 7EEA8BA. Read the data first.

Finally input the account and password which one you have setting it on the platform website

Also you need change the IP address what server you use

Write the data and turn on radio again

Account writing types Oprogramming cable account writing	Communication port Language setup port COM40 + check port language English
@ on-the-air account writing Change IP	Dealer password setup GPS on/off set
MEID server IP 47 .74 .211 .230	old password Rend GPS Off R
	new password
Account writing management	
dealer password ******	☐ ICCID Login No ☐ Yes
account ID i Increment	
- Increment	ICCID W:
password	APN setup
IP address 47 . 74 . 211 . 230	nane
	account ID
New password setting	password
Private call GPS on/off Off line beer	Change power-on screen
Use Reason	password Change
	IMEI
	Export IMEI to: (x86)\4G对讲机写码工具\IMEI.csv change c
	COM port - No. IMEI account II
progress	Export IMEI
	Keep watch server
Help Read Write	IP address
nerp Kenn Trite	
nout Title	GPS server
1029	GPS server IP address Read

Turn on the radio Normally. Connect the programming cable with computer for programming USB cable also the same programming cable:

Read account first. When finished all the account information then write as follow:

Platform Instruction

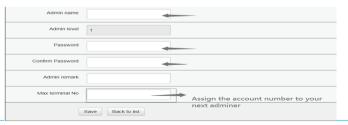
4G LTE smart PTT management platform

Click: Platform website. Using the account and password to log in, you will find the interface as below:

I: For second level admin, which cannot add the device, can only create the third admin or deal with the order issue



1.Add the admin, and set the Terminal Number



2.Log in Third Admin and Create the account and Group

Frist add a group



Then: Add the device

Note: Only third level admin can add the device, please kindly contact your upper admin for the Account. There are two methods to add the device: add one by one and add in bulk.

Add the device one by one:

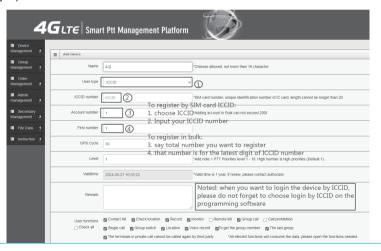
Name	*Chinese allowed, while it must less than 8 character.						
Account	The ID which show in the back of radio once than 12 digits, For Bulk add, please modify the Account number.						
Account number	default is 1, do not need change reed 2001						
First number	default is one , do not need change						
Password	if need change, please use the software						
GPS Cycle	every 30 second to updated GPS information to platform						
Level	Highest level is 1, higher level, can have transmit priority						
Validtime	2019-07-11 15:46:56 "Valid time is 1 year, if renew, please contact authorizer.						
Remark							
Remark User functions Check all	Remote kill and call prohibition do not choose, every function will cost the data.						
User functions	every function will cost the data. please choose the function according to your requirment choose the group requirement choose the group requirement requirement requirement requirement requirement requirement requirement						
User functions	every function will cost the data. please choose the function according to your requirment						

Or If you want Add the device in bulk

As follow:



Finally input the excel documents on website



3.Order Management

Add Account	Add number:									
Return the surplusaccount (The returned number: The unassigned account number: 0									
	Please choose the renew account:	Account/Username	Group ID							
		oc	Simon02(4G04) (2019-5-06) (2021-5-06) SIMON1(4G03) (2019-5-06) (2021-5-06) 4G02(4G02) (2018-10-31) (2021-11-01) 4G01(4G01) (2018-10-31) (2021-11-01)							
		<								
Renew the account O		>								
		>>								
	Please choose the renew time:									
	months (Please Input the Integer.). "Note: The renew time will start from that date the account is approved and renew time is 12 months in									
	maximum.									
	Save Back to list									

1.add order:

If the account quantity not enough support your radios quantity. You can add order then ask your upper level administrator to assign the account.

Click "Order management", then click "Add order"

- 2.Return order : return the useless accounts
- 3.Renew the account.

Normally the radio usage is 12 months. Once the usage Invalid, you need submit the Renew account number and Usage to your upper admin.

4.Main group and Sub- group



Nested groups definitions

Every group can be merged into a new group; it can also be merged into a new group separately; or be combined with other subgroups. However, new groups that are combined by sub-groups cannot be merged.

The new group that merged by subgroups has all members of the subgroup

Friend Select

You can select the friends which are online to achieve temporary call

First we should add the friends (searching or edit) on the platform website :



Short press Up select key or press Menu key and select the Friend Select . Select the friends and press Menu key for Temporary call, press Exit key to hang up calling.

Dispatch management platform Instruction

1. The dispatcher should select the function for "Check Location" in the platform, so that the dispatcher can get the other radios GPS information.



2. The radio should select the function for "Location" in the platform, and the radio should be outdoors to get the location. Also the programming software should be open the GPS

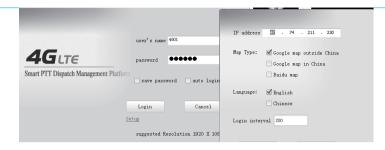


3. Set the IP address and Google Map, and login in.

Use the account and password to log in.

 \triangle : Caution: Once you log in the dispatch. Radio account must log out

Dispatch and radio Cannot be using same time



3. Menu in the Dispatch management platform

1.Group list

Group list is in the left of the Dispatch platform, which can show the group available and the member, click the group can show all the member and statue. Right click, can start the Private call/ Get location/ Get track.



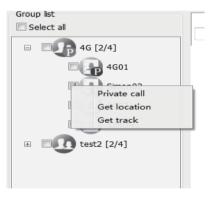
Note: The "P" means that the radio is in this group. When the radio is in the group same as dispatcher, it can receive a group call from dispatcher and transmit a group call to dispatcher. Notice: the dispatcher will login the default group, if you want to login other group, you need modify the default group.

ID	Statue	Username	Account	Password	GPS	Level	Default group	Created time	Valid time	Remark	Users Functions	Edit member list	Operations
57	On line		C	100.00	30	1	<u></u>	2018-07-13	2019-07-13		Show	Edit	Modify

2. Temporary Group call

This is in the right side of the Menu, which can show the all users which the dispatcher choose,

can start the temporary call.



3. Group call

To start the group call

In the group call, choose the desired group and click twice to enter the group.

Long press the to start the group call

After you choose the private call, Press "PttDown" and you can transmit the radio, and release the "PttDown" to wait for replying. The radio can press "PTT" to reply.

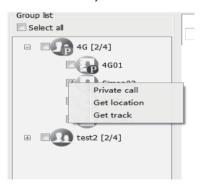
Notice: the continuous transmission maximum time is 50S, when you over 50S, it will exits transmit automatic.

To start the Temporary call

In the Group list, choose the desired member, right click the member, choose the Private call/ Click to cancel temporary group call

If it is no one start talking within 10s, The temporary will exit automatically/





4. To start the private call

Private call, when the dispatcher choose this function, it can transmit anyone in private call.

Operation:

click one radio you want to speak to, then right click, you can find three options: Private call/Get location/Get track

5. Location in the MAP

Function	Instruction
П	Terminal Box selected, use the Rectangular Box or round box to choose the desired area
\triangleright	Track replay
•	Terminal Location
+	Map Zoom-in
_	Map Zoom-out

Note: The GPS function only works outside, in the common case, it will open within 1 minutes, the weather will affected.

If the GPS is succeed get the location, the GPS icon will be black, if not it will be red Icon/ 6. Get track:

You can check the radio's activity trajectory within a period of time.

Operation:

1.click one radio you want to speak to, then right click, you can find three options: Private call/Get location/Get track

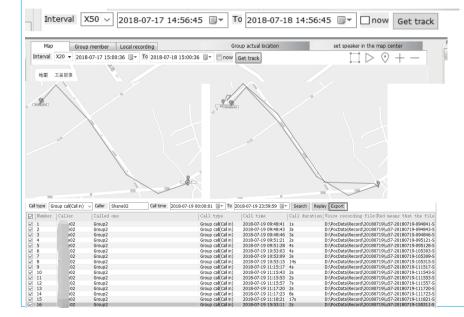
2. After you choose the get location, you can see the radio's trajectory on the map.



4.Interval: 5/10/20/50S,

It means the radio will uploads the GPS information in the chosen time.

5. The activity trajectory records will be saved one month, and every time you can track the activity trajectory within 24 hours, for example, when the start time is 2018-7-18 14:56:45, the end time should be within 2018-07-18 14:56:46 to 2018-07-19 14:56:44



TX:1880~1920MHz

TX:2300~2400MHz

TX:2555~2655MHz

RX:1880~1920MHz

RX:2300~2400MHz

RX:2555~2655MHz

Guarantee

Model Number:	
Serial Number:	
Purchasing Date:	
Dealer:	Telephone:
User's Name:	Telephone:
Address:	Post Code:

Remarks:

Pease cut along with this line

- 1 This guarantee card to be kept by the user, no replenishment if lost.
- 2 This guarantee card to be filled & chopped by the dealer, or it is invalid.
- 3 Don't alter the guarantee card, please coufirm the serial number on the guarantee card is same as that on the machine.
- 4 One-year guarantee, charger, battery, ear-phone, antenna and cable are not under guarantee.
- **5** The user can get repairing service from the followingways:
- . Go to the shop where you buy the machine.
- Our local repairing agents.
- Our local repairing agents.

TE TDD B39

TE TDD B40

TE TDD B41