

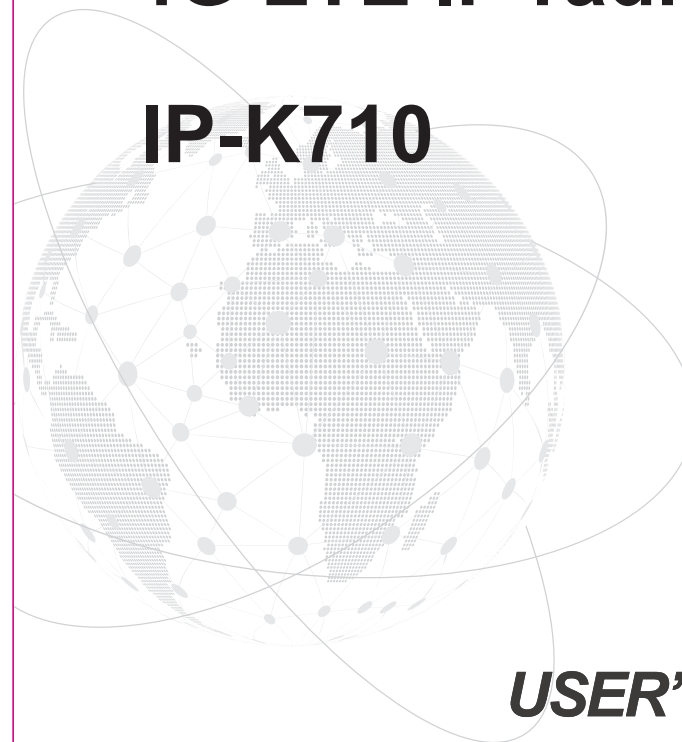


RECYCLABLE PACKAGING

K710

4G LTE IP radio

IP-K710



Nationwide Communication



Dual Nano Sim Card



High Capacity battery



Rugged Durability



Mic Gain Level Select

USER'S MANUAL

Our radios have been designed with quality, reliability and efficiency in mind.

We hope that you are happy with it, if you do have any queries or issues please do not hesitate to contact us

Please read this user manual before using your radio.

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
- Low battery alert
- Group call/Private call/Nested-group call
- OTA:Program without cable
- Talk priority setting
- GPS function
- Flashlight
- Dual SIM card
- SOS Flash and Lighting

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User's Manual

Open the box and check the device

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

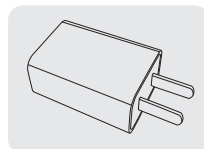
Packing list as follow:



Radio body*1



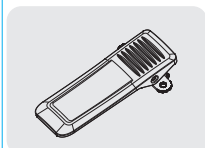
Battery *1



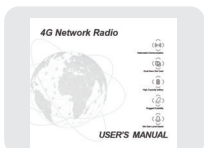
Adapter*1



TYPE-C Cable*1



Belt clip*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 radio and do not use.
- Please only use adaptor
The adaptor has 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

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.

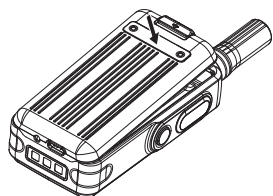
Attributes of Lithium battery

After repeated charging process, the battery capacity will decrease.

The battery degenerates gradually even without being used.

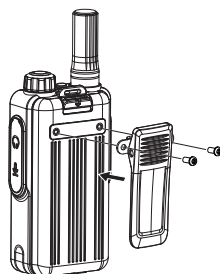
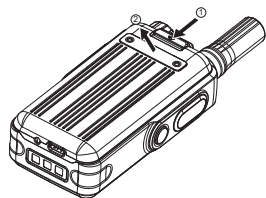
More time is required if charging the battery in cool conditions.

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



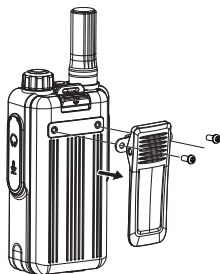
Installing belt clip

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



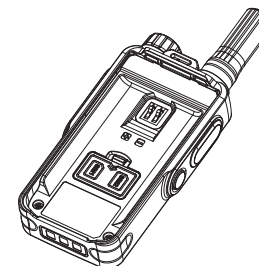
Uninstalling belt clip

Remove the two screws to disassemble belt clip



Installing SIM/SD card

Please insert effective SIM card before use, make sure the SIM card can be effective in 4G radio.
Remove the battery Cover.
Lift SIM socket cover, place SIM card in the socket in the correct position.
Re-install the battery.



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

Getting to know the radio

Introduction



Switch on / off radio

Turn the switch knob clockwise to turn on the radio, counterclockwise to turn off the radio.

Adjust Volume

- Rotate the knob clockwise to increase the volume, counterclockwise to decrease the volume.
- Long press the green key to mute radio, long press again to cancel mute.

Lighting Settings

- Flashlight: Under the PTT key, short press to turn on the flashlight, and press again to turn it off.
- SOS flash and highlight lamp: The orange button next to the antenna, short press to turn on the flash and highlight lamp (red and blue lights), and turn off when pressed again. Long press to turn on SOS, simultaneously accompanied by flash and highlight lamp and alarm sounds, press stop to turn off SOS.

Push To Talk (PTT) button

When you press the PTT key the display will show : I speaking 120S.

The indicator will keep in red at the same time.

Long press the PTT key to speak, then release it after speaking.

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

Group Select (Group call)

Note: if the keyboard is locked, please unlock it before operating.

You can change the current group in the following two ways:

- Menu->Group Select->Press ^ V key to select your group->Enter
- Short press the ^ key->Group Select->Press ^ V key to select your group->Enter

Member Select (Single call)

Note: if the keyboard is locked, please unlock it before operating.

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

- Menu->press V key->Member Select->Press ^ V key to select the member which is online->Press Enter start to call.
- Short press V key->Member Select->Press ^ V key to select the member which is online->Press Enter start to call.

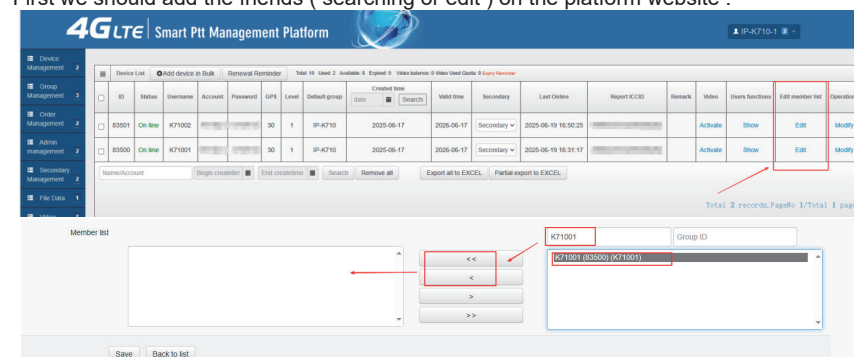
Lock/Unlock Keyboard

- Lock Keyboard: Menu->Settings->Auto lock->Enter->OFF/ON
- Lock/Unlock keyboard: Long press the red key.

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 :



Press Menu ->Friend Select ->Enter->Select the friends->Enter->Temporary call->Press Exit key to hang up call.

Location Information :

Using the radio outside and waiting for around 1 minutes, the GPS icon has changed from red to white.

Switch on location information: radio will show current latitude and longitude and satellite.

Menu :

Unlock the keyboard-> Menu(Green key)->Press ^ \ key to choose following functions:

Group Select

Member Select

Friend Select

Location information (GPS)

Settings

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

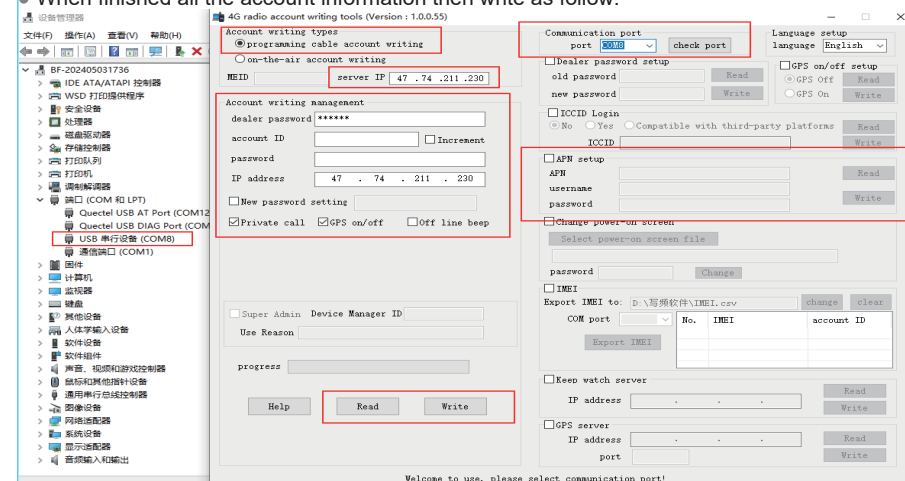
1. Create account in programming software

(1) Programming account by Cable

Turn on the radio normally->Connect the programming cable with computer and the radio->Press Menu->

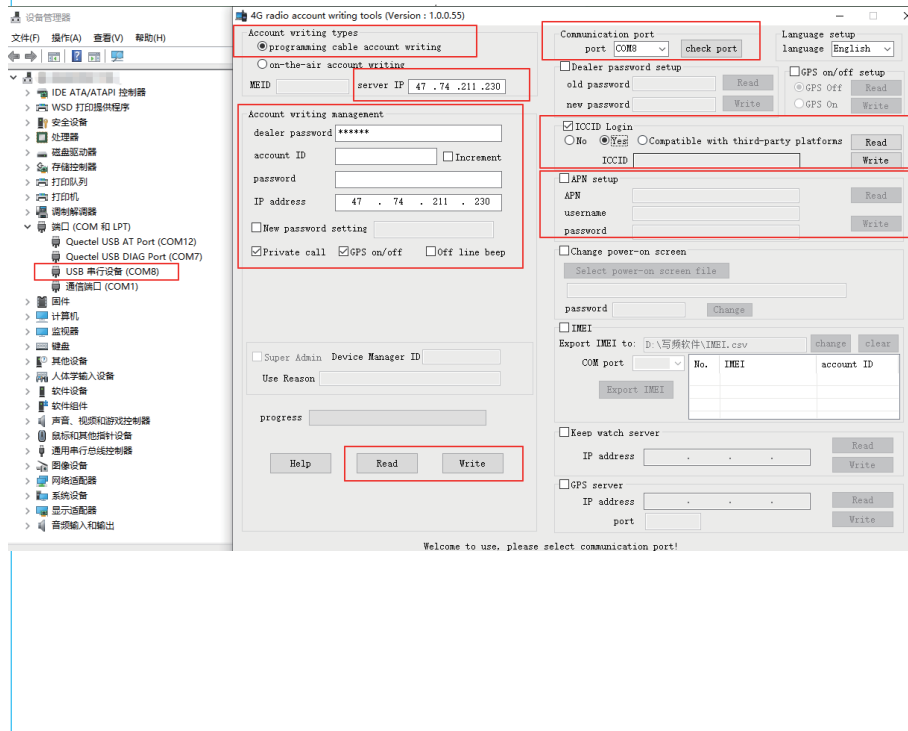
Settings->Choose No 2. USB switch: OFF-->ON

- Turn on the computer->Device Manager->Choose Ports (COM&LPT)->Quectel USB Serial-1 Port(COMXX)
- IP Server address: American: 47.254.88.91 / Singapore :47.74.211.230
- Input your Account & Password write into radio->Fill in APN->Check port COMXX->Write
- When finished all the account information then write as follow:



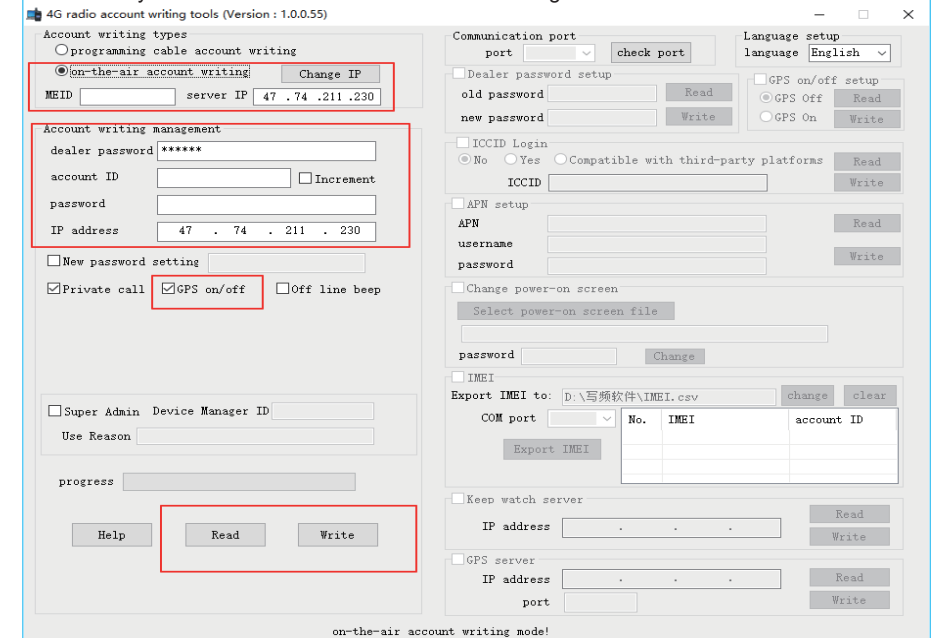
(2)ICCID Login:

Insert SIM card into radio->Turn on Computer to search Quectel USB Serial-1



2.Programming Account on the air

Turn on radio ->Press Menu key->Settings->No 8. Account OTA ->Checking the MEID code->Open the CPS->Click the On-the-air account writing ->Input the MEID code->Input the account and password which one you have setting it on the platform website->Change the IP address what server you use->Write the data and turn on radio again.



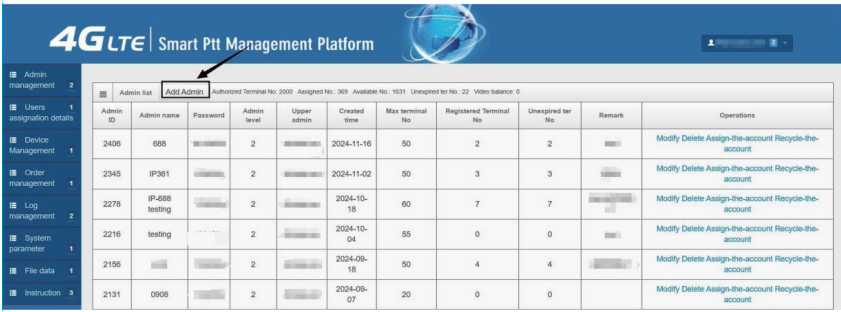
User's Manual

Platform Instruction

4G LTE smart PTT management platform

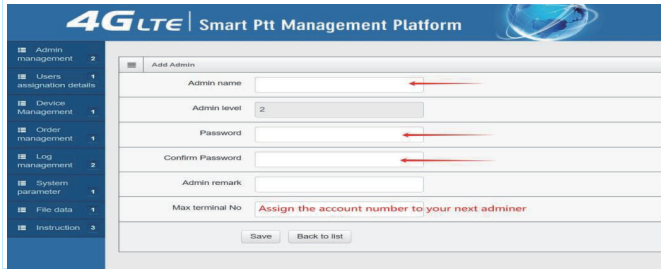
Click: Platform website. Using the account and password to login, you will find the interface as below:

For second level admin, which can not add the device, can only create the third admin or deal with the order issue.



Admin ID	Admin name	Password	Admin level	Upper admin	Created time	Max terminal No	Registered Terminal No	Unregistered ter No	Remark	Operations
2406	688		2		2024-11-16	50	2	2		Modify Delete Assign-the-account Recycle-the-account
2345	IP361		2		2024-11-02	50	3	3		Modify Delete Assign-the-account Recycle-the-account
2278	IP-688 testing		2		2024-10-18	60	7	7		Modify Delete Assign-the-account Recycle-the-account
2216	testing		2		2024-10-04	55	0	0		Modify Delete Assign-the-account Recycle-the-account
2156			2		2024-09-18	50	4	4		Modify Delete Assign-the-account Recycle-the-account
2131	0808		2		2024-09-07	20	0	0		Modify Delete Assign-the-account Recycle-the-account

1.Add the admin, and set the Terminal Number.



4G LTE | Smart Ptt Management Platform

Add Admin

Admin name:

Admin level:

Password:

Confirm Password:

Admin remark:

Max terminal No:

Assign the account number to your next admin

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

(1) Add a group

4G LTE Smart Ptt Management Platform

Device Management 2

Group Management 3

Order Management 2

Admin management 2

Secondary Management 2

File Data 1

Video 1

Patrol 2

Instruction 3

Add Group

Group Name *Chinese allowed, not more than 16 character.

Group Members

Account/Username

Group ID

hk13(hk13)

hk12(hk12)

hk11(hk11)

Remark

Save Back to list

(2) 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.

① Add the device one by one

Device Management 2

Add Device

Name *Chinese allowed, not more than 16 character

User type Account

Account *It should be English letter or numbers only, not more than 32 digits

Account number *Adding account in Bulk can not exceed 200

First number

Password

GPS Cycle

Level *Add note > PTT Priorities level 1 - 15. High number in high priorities (Default 1).

Valid time Please select the default validity time *The validity time can be 1 year, 3 years, or 5 years, and additional time is required to submit orders

Remark

User functions ☐ Control list ☐ Check location ☐ Record ☐ Monitor ☐ Remote kill ☐ Group call ☐ Call prohibition

☐ Check all ☐ Single call ☐ Group switch ☐ Location ☐ Voice record ☐ To get the group member ☐ The last group

*The terminals in private call cannot be called again by third party ☐ Video *All elected functions will consume the data, please open the functions needed

Default group *Please select default group from Group Information Below

Group information

Group ID/Group Name

hk123 (11755)

Save Back to list

Account: The ID which show in the back of radio.

Account number: Default is 1, do not need change.

First number: Default is 1, do not need change.

Password: If need change, please click 'modify' in the device list to make the new password.

GPS cycle: Every 30 second to updated GPS information to platform.

Level: Highest level is 1, higher level, can have transmit priority.

Valid time: Choose 1 year.

User functions: Remote kill and call prohibition do not choose, every function will cost the data.

Please choose the function according to your requirement.

Group information: Choose the group, and it will show in the left. Please click the group again, the default group will show the group ID.

②Add the device in bulk

Name	User type (fill in 1 for ordinary member and 2 for CCDO account)	Ordinary account number (English letters and numbers)	CCDO account number (fill in SM4 card number)	Password (Special characters other than the underscore "_", can not be included)	Default Group ID	The Group ID the member in (line "1" to blank Multiple Group ID)	User Functions (* multiple functions to fill in the corresponding number, separated by a vertical line") Contact list: 1, (Task location: 2, Record: 4, Monitor: 4, Message: 4, Group call: 4, Call permission: 7, Single call: 8, (Voice search: 16, Location: 16, (Voice record: 31, (To get the group member: 12, (The last group: 13), (The terminal to be printed can cannot be called again by third party: 16)	Remark
N20	1	N20			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N27	1	N27			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N28	1	N28			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N29	1	N29			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N30	1	N30			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N31	1	N31			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N32	1	N32			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N33	1	N33			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N34	1	N34			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N35	1	N35			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N36	1	N36			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N37	1	N37			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N38	1	N38			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N39	1	N39			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N40	1	N40			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N41	1	N41			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N42	1	N42			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N43	1	N43			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N44	1	N44			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N45	1	N45			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N46	1	N46			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N47	1	N47			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N48	1	N48			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N49	1	N49			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N50	1	N50			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N51	1	N51			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N52	1	N52			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N53	1	N53			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N54	1	N54			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N55	1	N55			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N56	1	N56			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N57	1	N57			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N58	1	N58			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N59	1	N59			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N60	1	N60			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N61	1	N61			1	14325	14325-1 2 10 4 6 8 9 10 11 12 13	
N62	1	N62			1	14325	14325-1 2 10 4 6 8 9 10 11	

Input the excel documents on website.

Import device in bulk

Back to previous device list

選擇文件

THE NEW EXCEL INPUT.xls

1

Import

2

[Download Excel template](#)

3. Order Management

4G LTE | Smart Ptt Management Platform

User Profile Icon

Add Order

Add Account

☐ Return the surplus account The returned number The unassigned account number: 47

☐ Apply for video quota Number of applied quotas

☐ Return video quota Quantity of submission limit: Video balance: 0

Please choose the renew account

☐ Renew the account

Account username: Group ID:

BK12BN(13) (2024-11-02) (2025-11-02)	<<
BK12BN(12) (2024-11-02) (2025-11-02)	<
BK12BN(11) (2024-11-02) (2025-11-02)	=
	>
	>>

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.

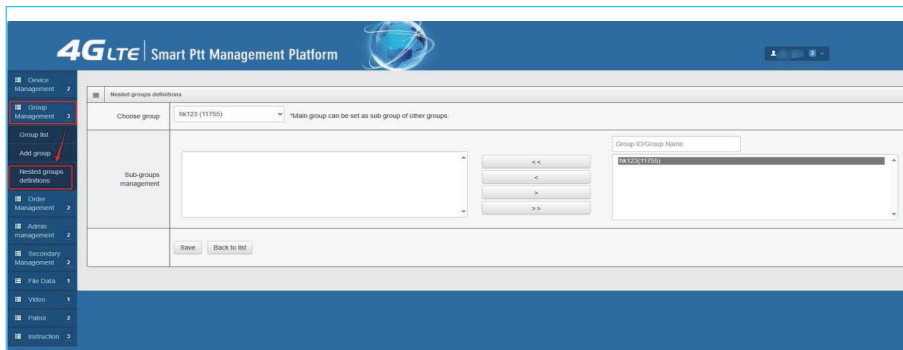
①Add order: If the account quantity not enough support your radios quantity. You can add order then ask your upper level administrator to assign the account. Click Order management->Add order

②Return 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 Subgroup

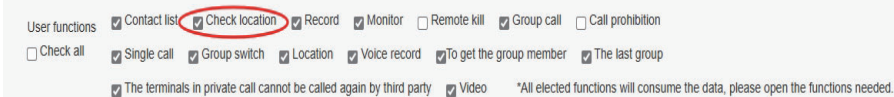


Nested groups definitions:

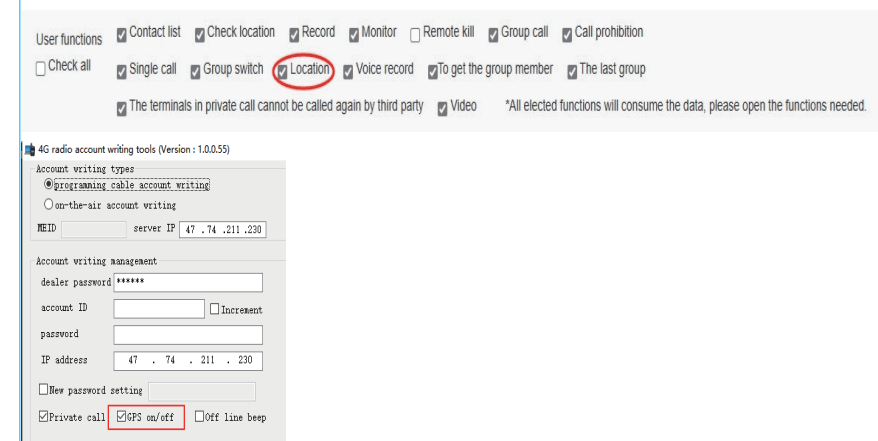
Every group can be merged into a new group; it can also be merged into a new group separately; or be combined with other subgroups. However, new groups that are combined by subgroups cannot be merged. The new group that merged by subgroups has all members of the subgroup.

Dispatch Management Platform Instruction

1.The dispatcher should select the function for “Check Location” in the 4G LTE smart PTT management platform, so that the dispatcher can get the other radios GPS information.

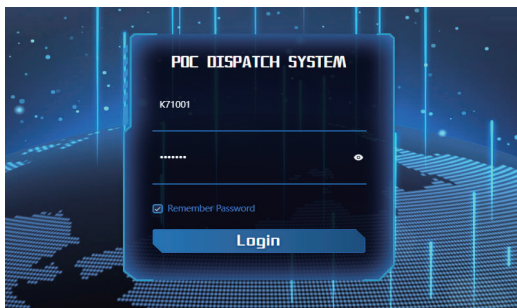


2.The radio should select the function for “Location” in the 4G LTE smart PTT management platform, and the radio should be outdoors to get the location. Also the programming software should be open the GPS.



3.Use the account and password to login in.

Caution: Once you log in the dispatch, radio account must log out. Dispatch and radio cannot be using same time.



Menu in the Dispatch Management Platform

1.Audio call

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. Click on the icon shown in the following picture, can start the Private call/Track playback/SOS log/Phone log.



(1)Temporary 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.

Choose member and tick\->Add temporary call->Cancel temporary call.



(2)Private call

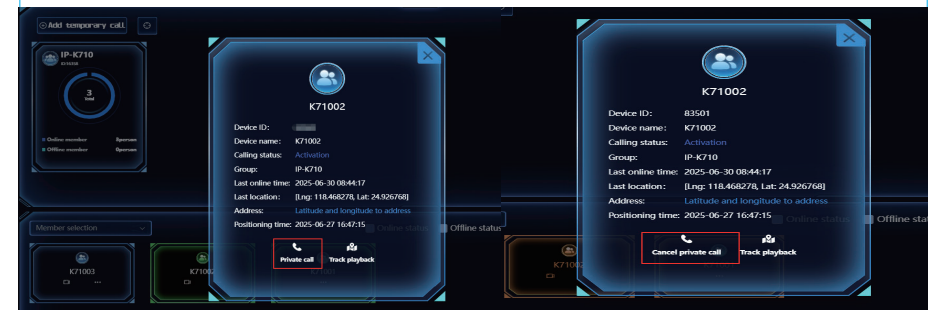
● Caution: For example, if you are currently logged into the K71001 account, please note that you cannot make private calls to yourself. Therefore, there is no option for private call.



- Method 1: Audio call page->Select members from the group list to make private call (Private call status is orange)->Long press the microphone to TX 120S->Click orange to exit the private



- Method 2: Audio call page->Click on “...” in the member selection to make private call(Private call status is orange)->Long press the microphone to TX 120S->Cancel private call.



(3)SOS log

