To customers

Thank you very much for using our two-way radios. This product has a newly developed function menu and humanism operation design, making it easy to use. It will meet your requirement by the compact size and reasonable price.

Welcome To Use Our Network Walkie Talkie

MAIN FUNCTION:

- Private Call/Group Call/Member List/Parent Group Call
- Zello Available
- Show Battery Status
- GPS (Online Map)
- SOS function (optional)
- Dialing / Edit Message
- Touch Panel
- Apk Install (Optionla)
- Wifi/bluetooth(optional)
- PTT kibitz function
- List quick search
- Software remote update
- Talk priority setting
- Camera/ Camera Vedio

CONTENTS

Using tips

Unpacking and checking equipments

• Using tips

Please read the following brief instructions, non-compliance with these rules may cause danger or violate the law.

■ Turn off the radio before entering flammable or explosive areas.

■ Do not charger or change the battery in flammable or explosive areas.

■ Turn off the radio before getting close to the blasting zone or detonator areas.

■ Do not use radio whose antenna is damaged, touching of damaged antenna will cause heat injury

■ Do not attempt to open the radio; the maintenance work should be done by technical expert only.

■ To avoid troubles caused by electromagnetic interference or electromagnetic compatibility, please turn off the radio in places where have the banner " Do not use wireless equipment".

■ In the car with an airbag, do not put the radio within the scope of the airbag deployment.

■ Do not store the radio under the direct sunshine or in hot areas

■ When you transmit with the radio, do keep away from its antenna for 5cm at least.

■ If the radio appears smelly or smoke, please shut off its power immediately and contact with your local dealer.

■ Do not transmit too long, for the radio may heat and hurt the user.
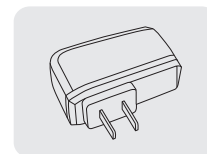
• Unpacking and checking equipments

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.
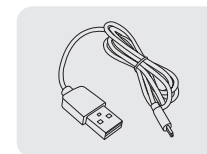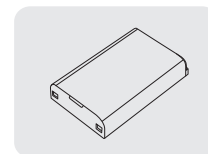
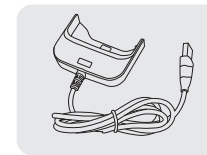Supplied accessories:

Adio Body	Ac adaptor	USB cable	Batter

| DC Charger	Belt clip User'smanual	

Note: The antenna frequency range please refers to the annular label at the bottom of antenna.

·Installing and uninstalling of supplied accessories

Installing/removing the battery

1. Align the top of battery with the corresponding groove on the back of radio, then push the battery up to the radio base along the rail on the back of aluminum shell, until the battery latch locks up.
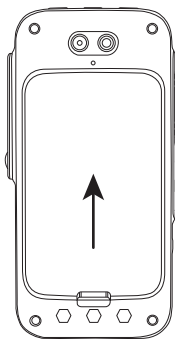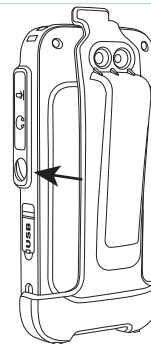
2. To move the battery, please make sure the radio is closed, push the battery latch up, and then push the battery out from the radio.
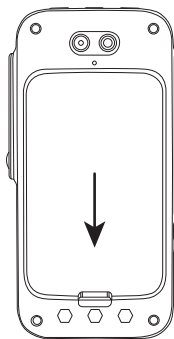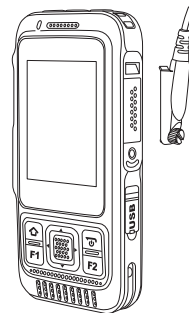
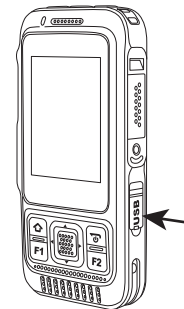### Installing belt clip

Press the belt clip case into Radio body.

Install the earpiece/microphone

Reveal(remove it) the mic jack cover, insert the headset into the mic jack.

USB charging port

Open the USB port cover, then insert the USB charger cable to the port.
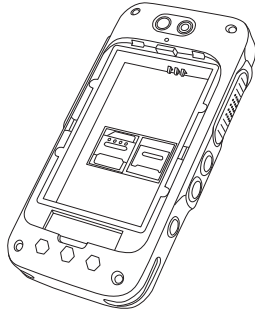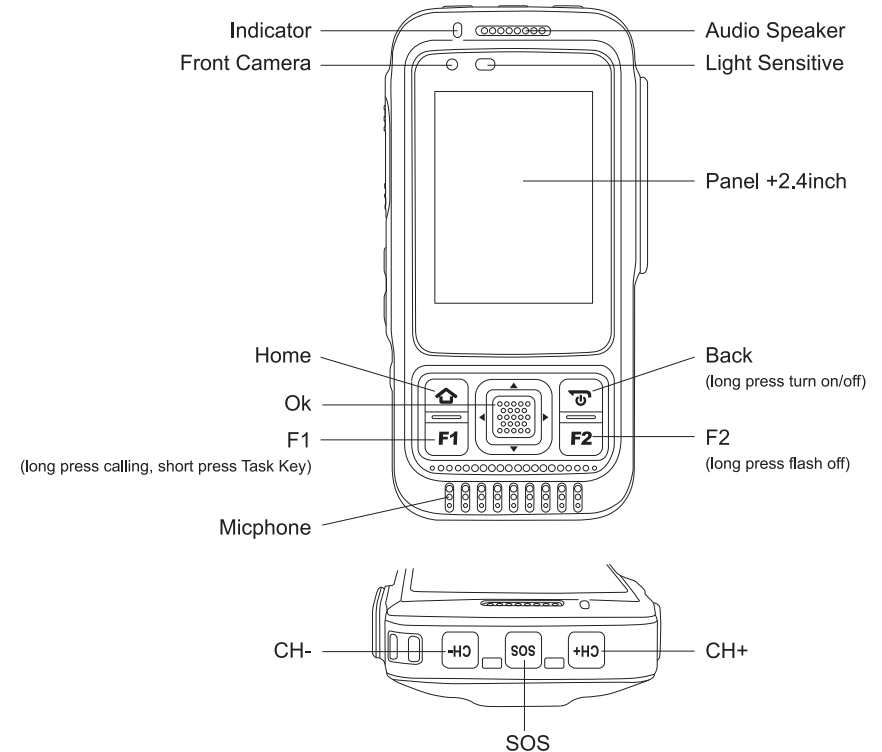
Installing SIM card /Memory Card

Please insert effective SIM /Memory card before use, make sure the SIM card can be effective in 4G/3G radio.
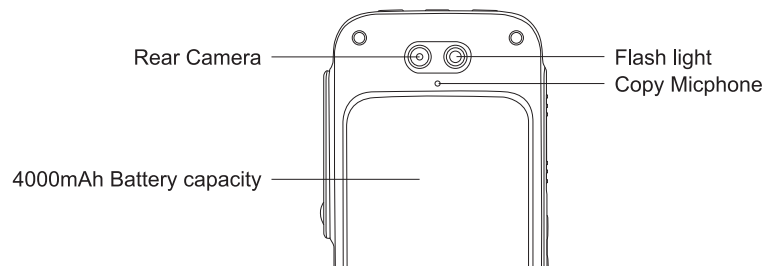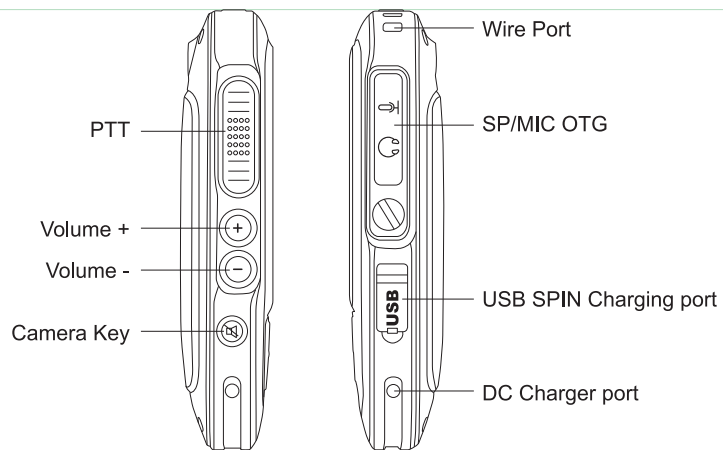Remove the battery, lift SIM or Memory socket cover, place SIM / Memory card in the socket in the correct position.
After place the SIM / Memory card, replace the battery.

· Button definition

Indicator — Audio Speaker
Front Camera — Light Sensitive

Panel +2.4inch

Home — Back (long press turn on/off)

Ok

F1 (long press calling, short press Task Key) — F2 (long press flash off)

Micphone

CH- — CH+

SOS

PTT

Volume +

Volume -

Camera Key

Rear Camera

4000mAh Battery capacity

Wire Port

SP/MIC OTG

USB SPIN Charging port

DC Charger port

Flash light
Copy Micphone

Turn on / Off
Turn on : Press 2 seconds Red Back Key
Turn oFF : Press 2 seconds and display will show Turn off or reboot .
Adjust Volume
Sidekey : Vol + Vol -
Transmit and Receive
Press sidekey PTT Or PTT in display for transmit . Transmit limited time : 50s and red light wil
flash same time . Receiver will receive the voice and Light turn Green .
Group Selection
Short press CH - key on the Top or long press F1 Key .Touch the panle and choose Group list ,
when confirmed press it into the group .
Member Selection
Short press CH - key on the Top or long press F2 Key .Touch the panle and choose Member list ,
Go left and confirmed press it into Calling .
Light on / off : Press F2 Key 2 second
Records Replay : click Calling records and can show Recent 10 records
Camera function : short press Camera key for Photo. Long press for camera vedio
Recording Function : Long press Volume - turn on recording funstion .
Network Setting :
Touch Panel - Setting -More -Cellular Networks - Prefered network type
1.2/3/4G Auto selection
2.4G
3.2/3G
4.2G
5.3G

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

Charging the Lithium 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).

1. USB cable connects with AC adaptor and the desk charger, and input the AC adaptor insert to power outlet
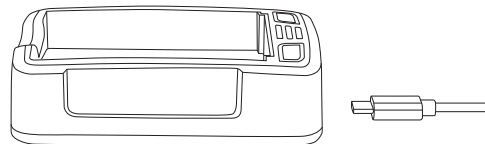
2. Insert the battery or the radio with battery to the desk charger
     Make sure the battery touches with the charging points
     When the charger indicator is red, the battery is charging
     When the charger indicator turns to green, the charging is finished
     Pull out the battery or the radio with battery from power outlet
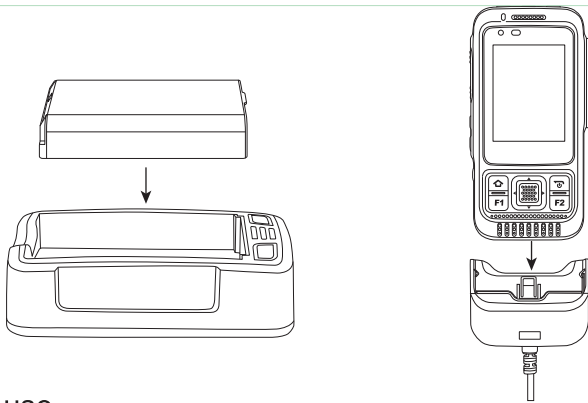
• Basic use

Turn on: press the power button 2 seconds until the start screen appears.

Turn off: press the power button 2 seconds then the screen will have a prompts: Power off/Reboot, please choose the power off to turn off the radio; choose the Reboot to reboot the radio.

Lock the screen and keypad

　Screen locked

When the radio is in standby mode, long press F2 key to lock the screen

When the radio is in standby mode, press F2 key to turn off the screen or the radio will turn off the screen when the radio is idle for a while.

　Screen unlocked

Long press F2 key to unlock the screen

Press F2 key to turn on the screen

4G LTE smart PTT management platform

• 4G LTE smart PTT management platform

Click: http://www.tytsmartpoc.com/tyt_en/tyt

Using the account and password to enter in, you will find the interface as below:

For second level admin

Add admin

Click the "Add admin"
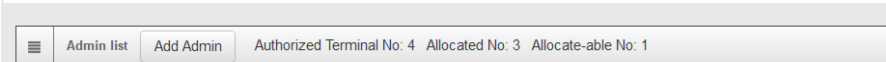
Then you will find the following interface:
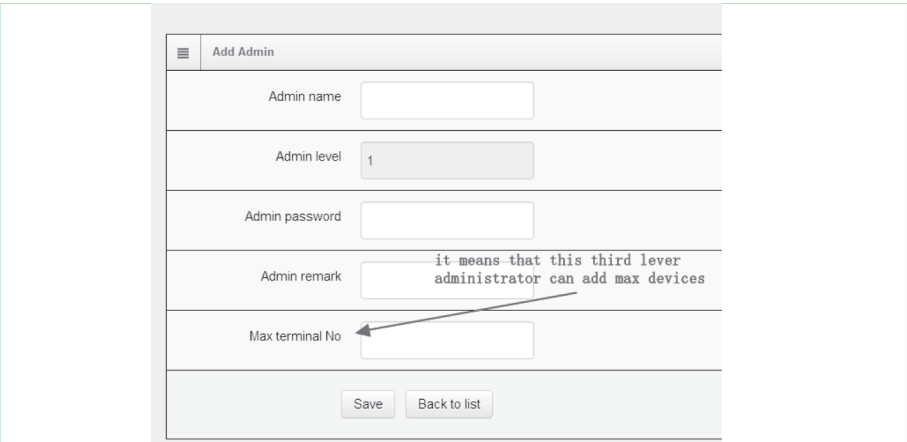
After filled the admin name/ password and Max terminal No, then click "Save", then you will find this admin information in the "Admin list"

Admin ID	Admin name	Admin level	Upper admin	Admin password	Createtime	Max terminal No	Resisted Terminal No	Remark	Operations
14		1			2018-07-05	3	3		Modify Delete Assign-the-account Aecycle-the-account

Modify: you can change the name and password

Delete: you can delete this admin, but if this admin has devices or account, you can't delete it.

Assign-the account: you can assign more terminal account to this admin

Recycle the account: if the admin has accounts not be used, you can recycle these accounts

Users assignation details

You can check the details about the third lever administrator.

	Sub-account details	Authorized Terminal No:4;	Allocated No:3;	Allocate-able No:1;	Resisted No: 3;		
ID	Name	Level	Password	Primary account	Createtime	Detail of use	
14	01	1			2018-07-05	Resisted No 3 Unresisted No 0 Authorized No 3	

Search: Admin ID/Admin name

Total 1 records, PageNo 1/Total 1 pages

Authorized No: it means the max terminal quantity which you have assigned
Resisted No: it means the used terminal quantity
Unresisted No: it means the unused terminal quantity

Order management
Order list: all the order lists will be shown in this interface.
Admin approved: it means this order has been approved, and it has been complied
Waiting Admin approval/Waiting allocation admin to approve: it means this order hasn't been complied

Order No	Order type	Previous admin	Operation objects	Order states	Create time	Operations
12	Return the surplusaccount			Admin approved.	2018-07-19	Order-detail
11	Add account			Admin approved.	2018-07-19	Order-detail
6	Expand the valid time	S		Waiting Admin approval.	2018-07-13	Order-detail
5	Add account	S		Waiting allocation admin to approve.	2018-07-13	Order-detail
4	Return the surplusaccount			Admin approved.	2018-07-13	Order-detail
3	Add presold account	USA		Admin approved.	2018-07-13	Order-detail
2	Add account			Admin approved.	2018-07-13	Order-detail

Add order
1. When the account number is not enough:
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 the surplus account
When the quantity for account has exceed the radios, you can return the accounts to the upper level administrator

3. Renew the account

When your account want to expand the valid time, you need renew the validity period by this order.

After that, click "Save", and you will find this order in the "Order list"

When the order type is "Return the surplus account, the previous administrator will approve this order automatic, so that the "order states" will shows "Admin approved" , this order is deal with.

When the order type is " Add account or renew the account" , you need wait the previous administrator to approve your order.

• File data

You can change the password in this interface

Notice: when you want to delete the device in the device list, you need, you need to ask the first-level administrator to delete.

For third level admin

Group management

Add the group first

as below

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.

Device management

Add the device

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

Add the device one by one:

Add the device in bulk

Order management

Add the order

1. When the account number is not enough

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 the surplus account

When the quantity for account has exceed the radios, you can return the accounts to the upper level administrator

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When your account want to expand the valid time, you need renew the validity period by this order.

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File data

You can change the password in this interface

Notice: when you want to delete the device in the device list, you need, you need to ask the first-level administrator to delete.

Smart PTT dispatch Management Platform

• Smart PTT dispatch Management Platform

Note: If the Dispatch management platform has registered, The radio will off- line, The same to the radio on and dispatch management off.
we suggested that the Dispatch management account is different with PTT platform.

Note before login in dispatch management platform
1. In the software, turn on the GPS function

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

3. The radio should selects 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

Set the IP address and GOOGLE/Baidu Map , and login in.

4. After finished Set up, click the login to enter the dispatcher platform. 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	Shan-03	130456		30	1	Gourp1	2018-07-13	2019-07-13		Show	Edit	Modify
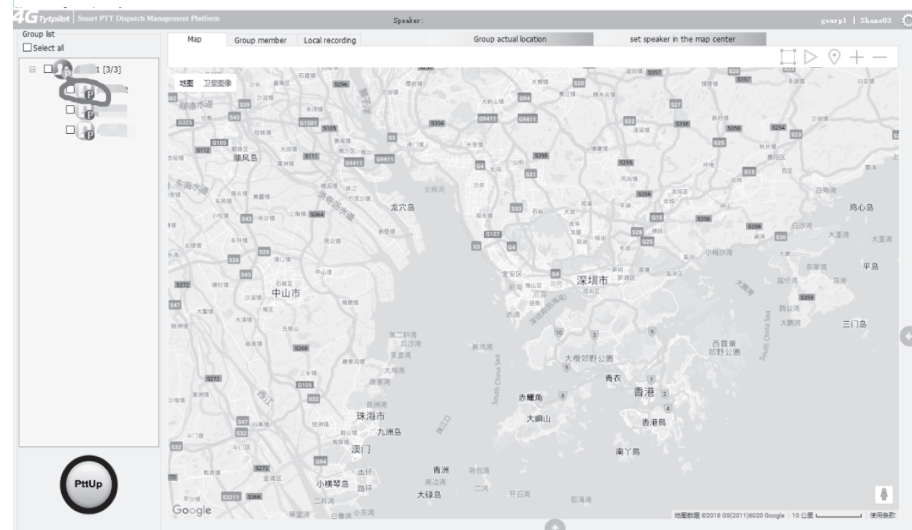
Private call

1. 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
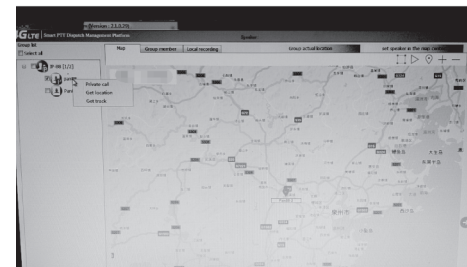

After you choose the private call, Press " PttDown" and you can transmit the radio, and release the "PttDown" to wait for replying. The radio can press "PTT" to reply.
Notice: the continuous transmission maximum time is 50S, when you over 50S, it will exits transmit automatic.
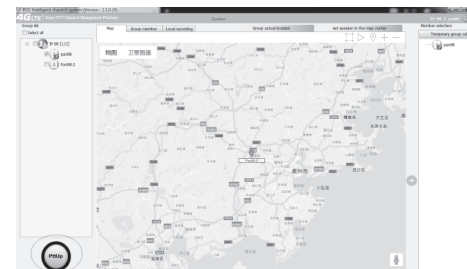
Location in the MAP

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

Note: The GPS function only work outside, in the common case, it will open within 1 minutes, the weather will affected.
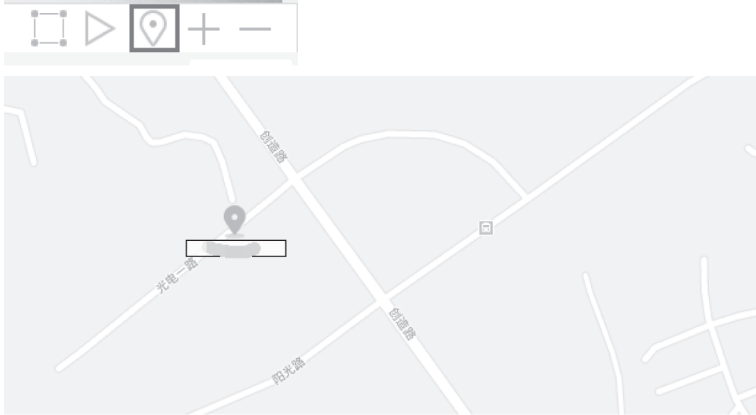
Get location
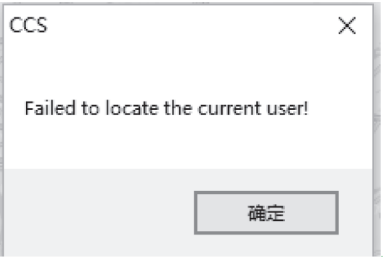
Get location, you can know the radio's place.
Operation:
1.click one radio you want to speak to, then right click, you can find three options: Private call/Get location/Get track
2.After you choose the get location, you can see the radio's location, and it will show the radio's name on the map, when the mouse move to the radio on the map, you can see more details about this radio.

You can also click the to get location

And if the radio doesn't open the GPS function or the radio doesn't get the location, you will see the following interface:
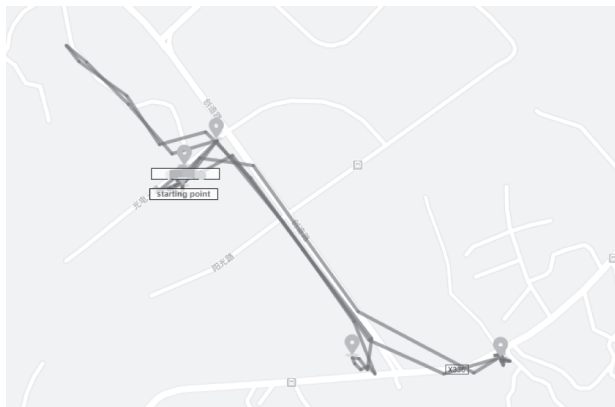
Get track:

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.
You can also click the ▷ to get track

3. Interval: 5/10/20/50S,
It means the radio will uploads the GPS information in the chosen time.
4. 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
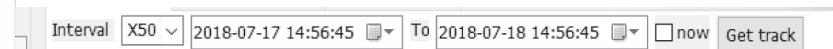
Group actual location:
You can check all members' location in the group which the dispatcher is located.
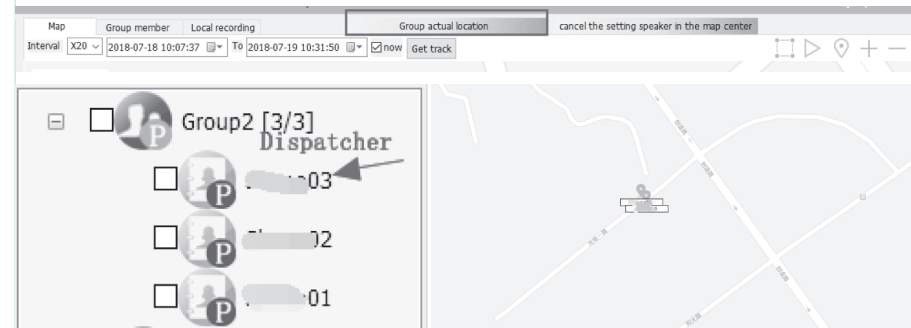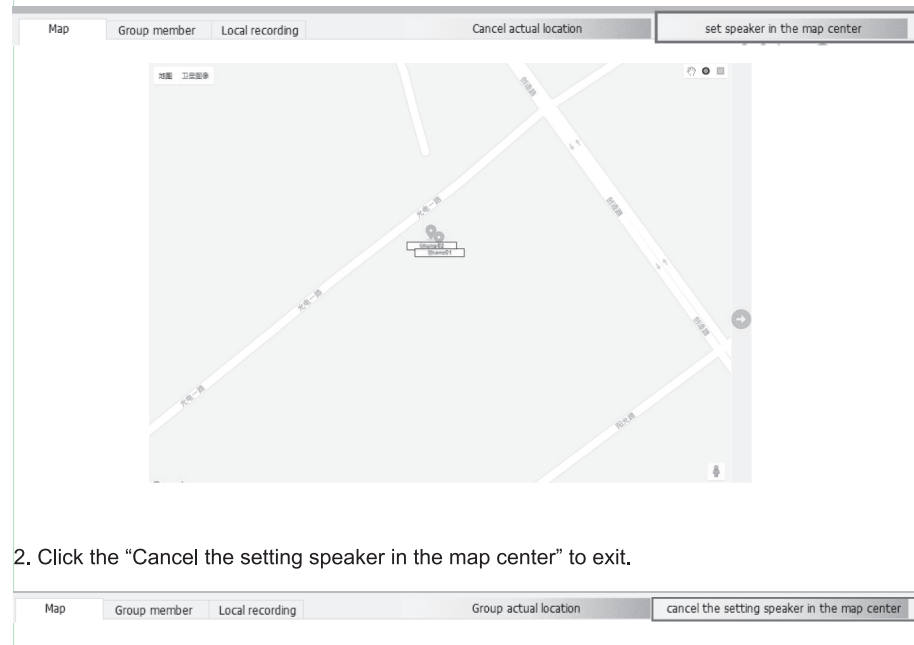

Click "Cancel actual location" to exit the group actual location function

Set speaker in the map center:

When one radio is speaking, this radio's location will shows in the center of map.
1. Click the "set speaker in the map center" if one radio is speaking, you can see this radio's location in the cent of map, and this radio's mark ( ) will rock.

2. Click the "Cancel the setting speaker in the map center" to exit.
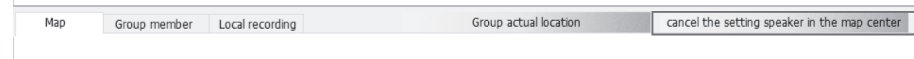
Create a temporary group:

You can create a temporary group in the dispatch platform, and when you exit the dispatch platform, the group will remove.
Operation:
1. You can set choose which members you want to add in the group list, and then you can check the temporary group in the right side. Click the "Temporary group call", then dispatcher presses the PttUp, or other radio press PTT key , only the selected radios can achieve temporary group call.
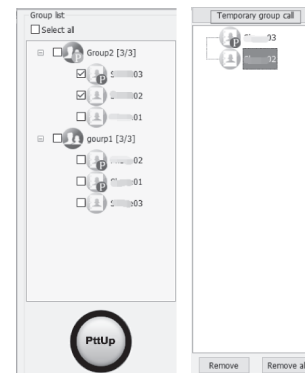
Notice: if all members in one group need added to the temporary group, you can choose the Group name, just like Group 2.
If all members in this dispatcher need added to temporary group, you can choose the "Select all"
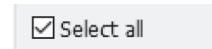
2. You also can use another mention to add a temporary group, click the following the frame
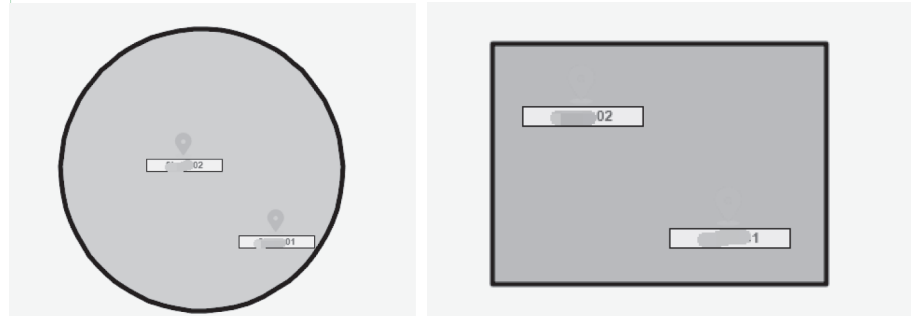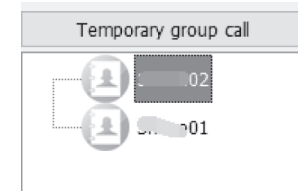

And you will find the following three keys:

Click key can move the map;

Click or can add the member to temporary:

Operations: click or , then left click the mouse, and circle a range, the radios in this range will add to the temporary group automatically
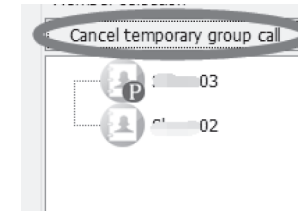

3. Then you will find the radios in these range will add to temporary group

After finished to finished circle the range, please click key to exit.

4. If you want to exit the temporary group, click " Cancel temporary group call"


If you want to remove one of members in the temporary group, please click the member name, the member name would become blue, then click "remove"

Temporary group call

    P   03

         02

         01
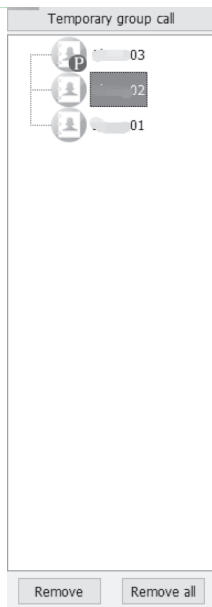
Remove   Remove all

If you want to disband this temporary group, please click "remove all"

SOS System Function:

Click Radio top [SOS] Key 3 Seconds . Then Dispatcher Interface will received SOS small window and the account which one calling , Picture as follow :
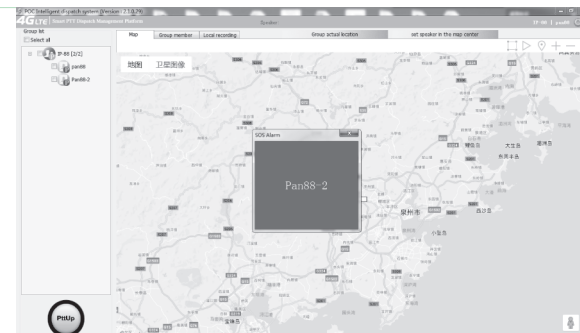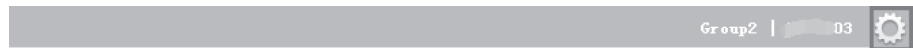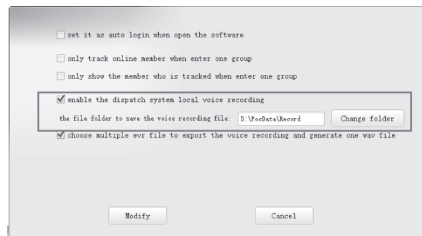

In the radio display also will show
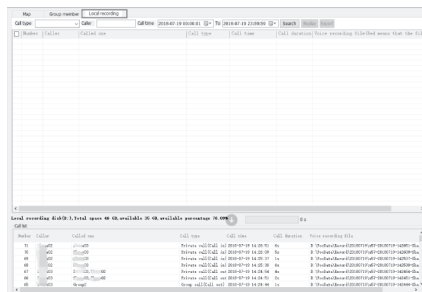
Local Recording:

1. Click key

Then you will find the following interface:

Ensure the function has marked is chosen

2. Click the "Local recording"

3. If you have communication records, you will find these call list:

4. Select the Call type/Caller/Call time, then click "Search", then you will find the records.

5. Replay:

You can double click the record to replay or click the record and click "Replay" to replay

6. Export:

Tick the records and then click the "Export"

Radio Operate Manu

• Radio Operate Manu

POC
Zello
Phone dialing
Message
Contacts
Camera
Gallery
Vedio
Sound Record
File Manager
Setting
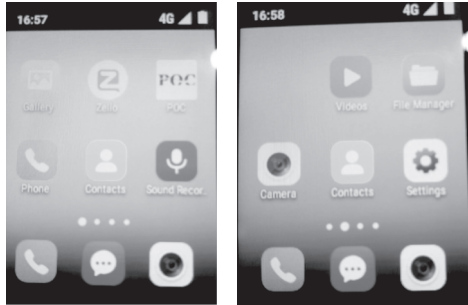
POC

Click Icon of POC on Radio Interface .
Use Account and password which you already registered in
Radio platform.
Click middle key for PTT
You can click other features for more operation

Click or side up to your local location infomations and search others location
Click Poc Setting key for other more informations
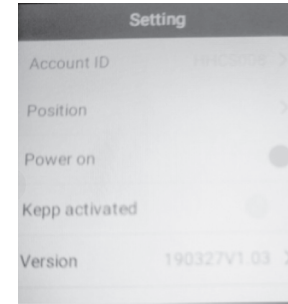
Zello
Click Zello APP on interface of radio . and log in / off your account for use.
Please go to Zello offcial website apply for one If you didnt Use it before !

Phone

Same operate with our Smart phone : imput phone number or choose a contacts informations and click the green key   and Red key   for dialing and cancel.

Message

Same operate with our Smart phone : imput phone number or choose a contacts informations edit the message sending to.

Contacts

Click the + Key and imput the numbers to save the contcats name and phone number or other informations .

Camera/Vedio

Touch the camera key on interface into photo. this camera pixel: Front 2Million Rear 5/8 Million Long press the sidekey of camera into Vedio . finally the vedio will be save in the file manager.

Gallery

When you take photos or pictures and save in Gallery . Then you can touch the Gallery to checking picture

Sound Record

Touch the Sound record key into function :
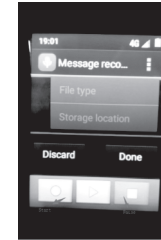
Press Done save in inro File Manager . Press Discard remove .

File Manager
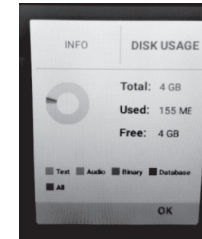
Checking the storage in the file manager . delect some useless APP or documents keep storage enough . ensure radio use smooth , also you can find any download files or app in dile manager.
Move it to SD card or add to others bookmarks .

Settings ⚙

Click setting we can find 4 kind of name

Wireless & Network

Wlan / wifi

Bluetooth

Data usage

Others wireless and network procedure

Device

Status bar

Display

Sound & notification

Storage

Battery

Apps

Personal

Security

Language and input keypad

System

Date and time

About Phone

Specifications

Size		
	Size (mm)	122*58*26 mm（L×W×H）
	Weight (g)	129
Standard Configuration		
	Chipset	Qualcomm MSM8909 quad-core processor
	Band(MHZ)	2G: GSM 850/900/1800/1900MHz 2G: CDMA 1X 3G: WCDMA B1/B5/B8 3G: TD-SCDMA B34/B39 3G: EVDO Rev.A 800MHz 4G: FDD-LTE B1/B3/B5 4G: TDD-LTE B38/B39/B40/B41
	Sim card	single card single standby
	Message	support
	Physical Button	support
	Sidekey	support
	Onekey PTT	support
	System	Android 5.1.1
	Antenna	GPS / WIFI / Bluetooth Antenna
	Working Voltage	3.7V
	Receive Sensitive	-106dbm
	Max output power	23dBm~25dBm@All up bits
	Working Temperature	-20—+75
	Storage Temperature	-40—+85
	Audio Output	2W@10%

Network		
	4G	FDD LTE，TDD LTE
	3G	WCDMA，TDSCDMA，CDMA2000
	2G	GSM，CDMA
	WIFI	Support Bluetooth
Display		BT 4.0
	Display	2.4inch SPI color display , Pixel : QVGA320*240
	TP	Capacitive screen
Camera		
	Rear	5.000.000 / 8.000.000 (optional)
	Front	2.000.000
Storage		
	Flash	1GB+8GB
	Extended Storage	Micro SD Card (T−FLASH card) Max:32GB
Battery and Connector		
	Capacity(mAh)	4000mAh
	Charger	TBD
	Data cable	USB Micro 5Pin
	Earphone	3.5mm
	Charging mode	charger kit / USB
Others		
	Colors	Black
	Language	English / Chinese

Guarantee

Model Number:

Serial Number:

Purchasing Date:

Dealer: Telephone:

User's Name: Telephone:

Address: Post Code:

Remarks:

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.

• Send back to our company.

Please cut along with this line

RECYCLABLE PACKAGING

4G LTE NETWORK WALKIE TALKIE

USER'S MANUAL

Zello Available   Touch Panel   Dialing   APK Optional