

# Operation instructions

## USER'S MANUAL



**Professional wireless intercom**  
**PROFESSIONAL FM TRANSCEIVER**

# INSTRUCTIONS

Thanks for choosing our products. Please check the packed boxes first to avoid any damage and check below listed items(include the parts) when you open the box.  
Please contact the distributor/seller if you have found any damage/missing of the products (parts) caused by transporting.

| NO | items          | Qty |
|----|----------------|-----|
| 1  | Radio          | 1   |
| 2  | antenna        | 2   |
| 3  | Li-ion battery | 1   |
| 4  | charger        | 1   |
| 5  | clip           | 1   |
| 6  | instruction    | 1   |

## Buttons and controls of radio



## Screen display



- 1.Signal
- 2.SIM card
- 3.keypad lock
- 4.Horn icon(it may show earphone icon while connecting with earphone & data line)
- 5.Battery capacity
- 6.SIM card operator
- 7.POC user name
8. the present team
9. on-line members
- 10.Pointer: when it point to POC part, users can input numbers to dial (this function may not open in some countries or areas), and the PTT of the earphone will use for POC. Short press "\*" to switch to analog part, users can input Channel no. or frequency, and the PTT of earphone is use for analog part.
- 11.Channel space, W-wide band 25KHz N-narrow band 12.5KHz, it can be set in Channel settings.
- 12.Hopping Turn on/off in "Channel setting → Jumping frequency". Once turning on, the radios cant communicate under ordinary CTCSS mode.
- 13.CTCSS/DCS DCS - Continuous Digital Controlled Squelch System CT-Continuous Tone Controlled Squelch System To set in "Menu→Channel setting→RX CTCSS, TX CTCSS"
14. Save mode for Analog part.
- 15.Channel no. Short press"#" to switch VFO mode or Channel mode.
- 16.Channel name To edit in "Menu→Channel setting→Channel name". Press "#" to switch Chinese/English for typing (it cant edit in VFO mode), users can also edit the name in writing software.
17. Present frequency.
- 18.Output Power Set the output power in " Channel setting" H-high, L-low
- 19.Intensity level of receiving & transferring  
Grey-standby, Red & Full-High output, Red & half-Low output, green-receiving ,weak signal show fewer grids.
20. Frequency difference  
Set in "Channel setting → Offset setting " "+" means the transferring frequency is bigger than receiving, "-" means the transferring frequency is smaller than receiving, 0 means close, no difference"
- 21.Study code Set in "Channel setting". CT/DCS & Jumping frequency will lose efficacy while turning on study code manually.  
Note: The study code is mainly exist on copied frequency shown by "LC" whether channel it is with CTCSS/DCS or not.
- 22.Frequency mode Free input the frequency directly in 400-480mhz.

## Keypad



Green key: Menu/confirm

Red key: Quit/back/delete

"0—9" Dial numbers, input frequency in VFO mode, edit Channel name or phone book and etc.

▲: Up

▼: Down

\*: short press to switch the pointer, the pointer stay at POC/Analog part, keypad work for that part.

#: At analog part, short press it to exchange CH mode & VFO mode.

Side button 1: set in "settings→programmable key" (null,battery level, group members, SOS (in POC mode) , MUTE, Quick call, backlight, group, Monitor, sim card change, auto freq detect.)

Long press of keys.

“Red key”: lock/unlock keypad

“3”: long press to delete current channel and press menu key to confirm.

“0”: long press to search call for members of POC, only suit for the names by numbers.

## Operation

1. Take off the battery and put the sim card by the shape then put on the battery, users will hear “da” which means it is assembled well.

2. Turn on by the power knob and hear a sound “da” then go into home page. And the LED will twinkle.

### Communication

## Menu

Login user’s account, press PTT1 to communicate with members of the same team/group.

Press PTT2 to talk by analog of same frequency in appropriate distance range.

Work mode

-POC (analog closed)

-Analog (POC closed)

-Mix (POC & Analog work together)

-Repeater(the signal can transmit through POC to Analog or from Analog to POC, which help communicate in POC & Analog)

-Group (for POC part)

-Member (for POC part)

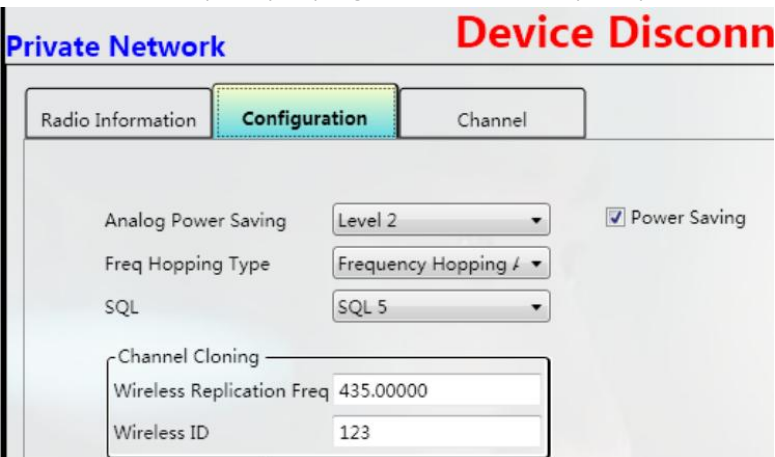
-Channel setting

·Bandwidth (W-25Khz, N-12.5Khz), Output(high power, low power),RX CTCSS, TX CTCSS, offset setting, channel name, jumping frequency, study code.

-Analog setting

·Squelch level, TOT, Power Save, BCLO, Step Size, Auto Freq Detect, Channel Clone RX, Channel Clone TX

If write clone frequency in program, the clone frequency and wireless ID should be the same , otherwise it can not be copied.



-POC settings

- Profile, Mic Mode,Power Save Conf., Beep,Time zone, APN Auto Conf.

-Phone book

-Call log

-Settings

- Voice prompt, Backlight, Beep, Earphone Recognition, programmable key, RX priority, Repeat Volume, Repeat Sound

-Radio info

- Account info, Software Version, Module version, IMEI, ICCID,POC Version,Analog Version.