USER'S MANUAL

PROFESSIONAL

FM TRANSCEIVER

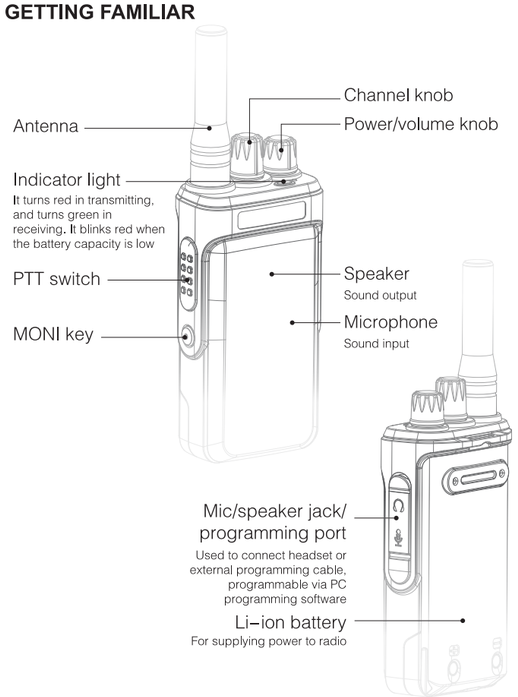
TOT / Scan / Voice Prompt / Battery save function

Vox / Low battery prompt / Narrow/Wide bandwidth selection

Scrambler / Busy channel lock / Squelch

ONE KEY FREQUENCY COPY FREQUENCY COPY(OPTIONAL)

GETTING FAMILIAR



BASIC OPERATION

1. Indicator

Indicator turns red when transmitting, and it turns green when receiving

2. Channel Knob

Rotate the knob to select the channel 1 to channel 16, counterclockwise rotate to decrease the value of channel name, clockwise rotate to increase the value of channel name

3. Power Knob/Volume Knob

Clockwise rotate to turn on the radio, and counterclockwise rotate to turn off the radio. Rotate the knob can adjust the volume.

4. PTT switch

Press PTT switch and then talk to the microphone, the indicator light turns red, if the channel does not have transmitting frequency, a "DU DU" tone sounds, and indicator light turns red.

Release PTT switch to receive, it lights green when there is signal.

5. Squelch level

The squelch level will determine the signal strength to open the speaker of the radio. If the squelch level is lower,the background noise of opening the radios speaker the radios speaker will be higher, and the corresponding communi-cation range will be further, but the anti-interference capacity will be weaker. The default setting of squelch level is 5, you can adjust it through the menu "Squelch level" of the "Optional Features" in the programming software. Level 0 to 9 can be selected. 0 is the lowest level.

6.Monitor

Press the squelch button to monitor different DCS calls at the same frequency, or press to press the button to listen when the signal strength does not reach the threshold.

7. TOT

The purpose of TOT is to prevent any radio from talking in one channel for a long time, and to prevent the transceiver from being damaged because if continuous transmission. If the transmitting time exceeds the TOT pre-set time, the radio will sounds "DU" and stops transmit, release the "PTT" key to back to receive status and stop sound "DU"

8. Scan

When the current channel is channel 16, the radio will will automatically detect the 16 channels which defined as scan. When the channel which is be scanned has signal, the radio will stop in the channel to communication

Notice:

A. When the scannable channels is less than 2 channels, radio can't go to scan

B. When the radio is stopping in the channel which has signal, after the signal disappears 10s, the radio will scans the next channel

C. If radio do not want to scan, please choose the "No" in the "Scan Add" for every channel

9. English voice prompt

The voice prompt can be selected "English/None" through the program-ming software.

10. Battery save function

This function can be set by the software

Turn on this function can make the standby time more longer.

11. Low battery alert

Notice:

when the voltage is lower than a certain level,if the voice selection is turned off, the sound of "DuDu" will appear every 15 seconds. If the voice is on, it will prompt "please charge." If the voice choice of Chinese or English, press PTT key or Vox transmission is invalid and the spund of "please charge" will still prompt, at the same time, the sound "Di" will ring until PTT release or Vox end.

12. Busy channel lock

If the busy lock is set, press PTT after receiving the signal to prohibit transmis-sion and sound "Di" is ringing until PTT release.

13. Wide/narrow bandwidth select

The default is wide band, you can select the wide band or narrow band through the programming software

14. VOX

Speak to the microphone in normal voice to transmit, no need to press PTT key, turn VOX on /off through the software.

A: when VOX is on in your working channel.

Speak to the microphone directly, it will transmits automatically.

The radio stops transmitting when there is no voice, and waits for receiving

B. When a headset with a microphone is used

When VOX is on, you should VOX gain for the radio to identify voice volume.

If the microphone is too sensitive, the noise around radio will start transmit-ting

If the microphone is not sensitive, the radio can not collect your voice, please adjust VOX level well to guarantee smooth communications.

15. Scrambler

We can use programming software to turn on or off the function of scrambler. Scrambling is one of the methods of information encryption. Scrambler is achieved through cepstrum to complete the goal of change of transportation spectrum. After receiving and releasing the signal, it is restored to achieve the effect of secrecy. Each channel can select the scramble solely.

16. CTCSS/DCS

You can set the CTCSSQT / DCSDQT via programming software. After setting the CTCSS or DCS, the squelch can only be turned on when the channel receiving the same CTCSS or DCS. If the same channel uses differ-ent QT / DQT for calling, the squelch cannot be turned on, the lights in green.

17. Programming protect

Enter the programming software interface, password box will appear (pass-word default is empty) , Tick the new password, the new password will be changed from the original gray into white editable state, fill in the password and click, password set successfully.

18.Special signal

This function occurs when there is DCS on the current channel, the purpose is to make the radio under the same group of DCS unable to hear the call content, to achieve the function of encryption.

19. One-Key Frequency Copy（Optional）

we will stick "PLUS"lable to distinguish this function.

Press PTT key and MONI key switch on radio but radio should be in channel 1.Radio will broadcast voice "turn on the radio one" and green light flashing slowly（Switch the channel to the number which you want to save it）.Transmit（Press PTT）the radio（the one we want to copy），Radio will finished copy current frequency and CTCSS when green light flashing quickly 2 times and radio will broadcast "Di" prompt sound with green light always on when save successfully. Same Operation method for others channels copy save. Switch off and on radio again once all done.

Support different band walkie talkie copy.

20.Frequency Copy （Optional）

We will stick "PLUS"lable to distinguish this function.

Press PTT key and MONI key switch on radio, but radio should be in channel 2,and green light flashing slowly, both radio same operate, Transmit(Press PTT)the radio （the one we want to copy）for 3 seconds, Radio green light will flashing quickly around 1 seconds and recovery slowly flashing, Radio will save all channels successfully at the same time. Finally Switch off and turn on radio again.

Only support the same Solutions walkie talkie.

SPECIFICATIONS

GENERAL

Frequency range: 400-470MHz
Channel: 16
Working voltage: 3.7V
Working temperature: -20℃ ~ +50℃

TRANSMITTER

Power: 2W
Modulation type: 16KF3E
Spurious radiation: ≤7.5μw
Modulation noise: <-40dB
Modulation response: <5%
Frequency tolerance: 5ppm

RECEIVER

Sensitivity: ≤0.2μv
Occupied bandwidth: ≤16KHz
Channel selective:≥65dB
Inter-modulation: ≥55dB
Audio power: >500mW
Audio distortion：≤5%
Frequency tolerance: 5ppm
Current: 150mA
Audio response(300-3000Hz)：+7 ~ 12.5dB

Warranty card

Note:

1.This warranty card is only applicable to two-way radio of the above-listed model and serial number.

2.The warranty card is an important document for the end-user to enjoy warranty service, please keep it well.

3.This warranty card must be completed by the dealer and stamped with the sales stamp to take effect.

Customer's name:

Gender:

Add and postal code:

Customer's tel:

Model:

Serial number:

Purchasing date:

Purchasing date:

Invoice No.:

Dealer:

Stamp:

Add and ptal code of the dealer:

Contact tel:

Handling people: