

USER'S MANUAL

- Firmware Upgradeable
- Chinese/English Display
- Dual frequency / Dual Band
- Dual Receive / Dual Display

Main Features

FM Radio

High / Middle / Low Power Select

Power On Screen Edit

VOX Function

Voice Encryption

DCS Frequency Hopping

Voice Compandor

Dual-Band Frequency Standby

Talk Around

Reverse Frequency

Multiple Alarm Modes Selection

Multiple Repeater Tone Modes Selection

Singal Call

Group(s) Call

All call

Remote Kill

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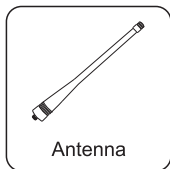
Warning

- Please read this manual carefully before using this transceiver.
- Please do not communicate or charge this transceiver in flammable, explosive and area which transceiver communication is prohibited (such as oil station, gas station, airport etc.)
- Please do not operate this transceiver without license in government laws banned areas.
- Please make sure this transceiver avoids the sunshine, and avoids to put it near any heating device.
- Please make sure this transceiver avoids any dusty, humid and water splashed place, and also to put it near any heating device.
- If transceiver smells or smokes, please remove the battery pack from transceiver at once, and then please contact your nearest distributor.
- The repair job of this transceiver is in the charge of professionals & technical's, self-disassembly is prohibited.

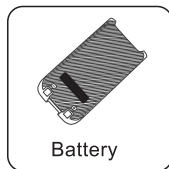
Unpacking and Checking the Equipment

Carefully unpack the transceiver. We recommend that you identify the items in the following table before discarding the packing material. If any item is missing or have been damaged during shipment, please notify your Chierda dealer.

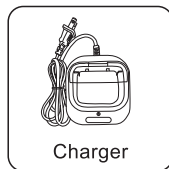
Standard Accessories



Antenna



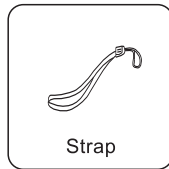
Battery



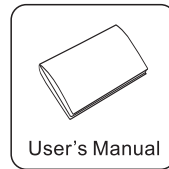
Charger



Belt Clip



Strap



User's Manual

Battery Information

Notice for charging battery

The battery is not charged at the factory, please charge it before using. Charge the battery for the first time after purchase or extended storage (more than 2 months) may not bring the battery to its normal operating capacity. After repeating fully charge/ discharge cycle for two or three times, the operating capacity will reach the best performance. The battery life is over when it's operating time decreases even though it is fully and correctly charged. Replace the battery.

Battery Charger Type

Please use our company's designated charger; other models may cause explosion and injure people.

Notice:


1. Do not short-circuit our company designated charger. Never attempt to remove the casing from the battery, we show no responsibility on the faulty caused by modifying freely without permission of our factory.
2. The ambient temperature should be between 0 and 40 in charging. Charging outside this range may not fully charge the battery.
3. Always switch off the transceiver equipped with a battery before charging. Otherwise, it will interfere with correct charging.

4. To avoid interfering the charging procedure, please do not cut off the power or take out the battery during charging.
5. Do not recharge the battery if it is already fully charged. This may shorten the life of the battery or damage the battery.
6. Do not charge the battery or transceiver if it is damp. Dry it before charging to avoid danger.
7. Do not charge the battery or the transceiver when it is wet. Wipe dry with a dry cloth before charging to avoid danger.

WARNING:

when buttons or ornamental chains and other electric metals with the battery terminals, the battery may cause damage or hurt bodies. If the battery terminal short circuit, it will generate a lot of heat, please be careful when you bring or use the battery, please put battery or radio into insulated container. Do not put it into metal container.

How to charge the battery

After installing the battery, if the battery capacity indicating icon shows  , it means Low Battery, please charge the battery. Please use our company default charger to charge the battery; the charger light will indicate the charging status.

Indicator	Status
Red Light	In Charging
Green Light	Fully Charged

How to Harge the Battery

1. Plug the charger into the AC power outlet.
2. Connect the battery or walkie-talkie with the battery to the Charging dock
3. Please make sure the battery is well connected to the charging contacts. Meanwhile the indicator light turns red, charging starts.
4. Charging time is about 4 hours . After 4 hours, the indication light will turn green, charging finishes.

CAUTION: Power-off the radio when charging.

Maintenance And Cleaning

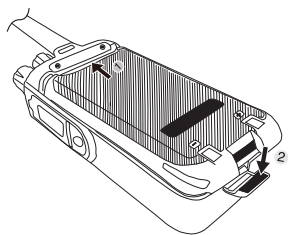
- Do not directly hold the antenna or external microphone.
- Use the cloth without wool to wipe the dust on intercom, dirty quality, prevent contact bad.
- please cover the headphone jack when not using the intercom.
- after long-term use of the intercom, the keys, control buttons and the case is easy to get dirty, you can use a neutral detergent (do not use highly corrosive chemicals) and warm cloth cleaning.

Accessory Installing

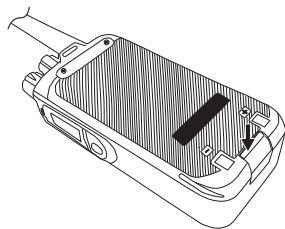
Installing/Removing the Battery Pack

Install the battery pack, insert the top two ends of the battery pack into the two grooves on the top of the intercom, and then buckle the bottom. (1)

When the battery is removed, please first confirm that the intercom is off, then break the bottom of the buckle, the battery can be removed from the ejection side. (2)



(1)



(2)

Installing/Removing the Antenna

Place the belt clip to the corresponding grooves on the back of the transceiver, and the clockwise screw it. Anticlockwise turn screw to remove the belt clip.



Installing/Removing the Belt Clip

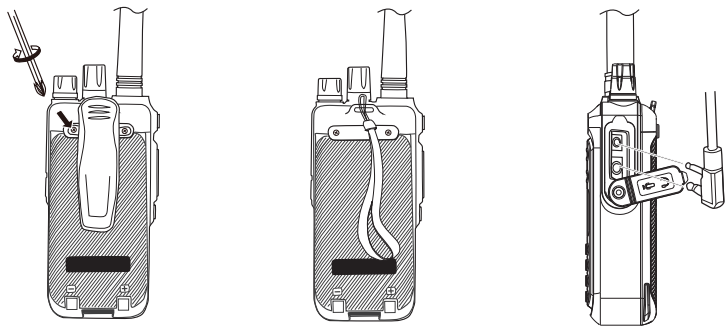
Place the belt clip to the corresponding grooves on the back of the transceiver, and the clockwise screw it. Anticlockwise turn screw to remove the belt clip.

Installing optional string

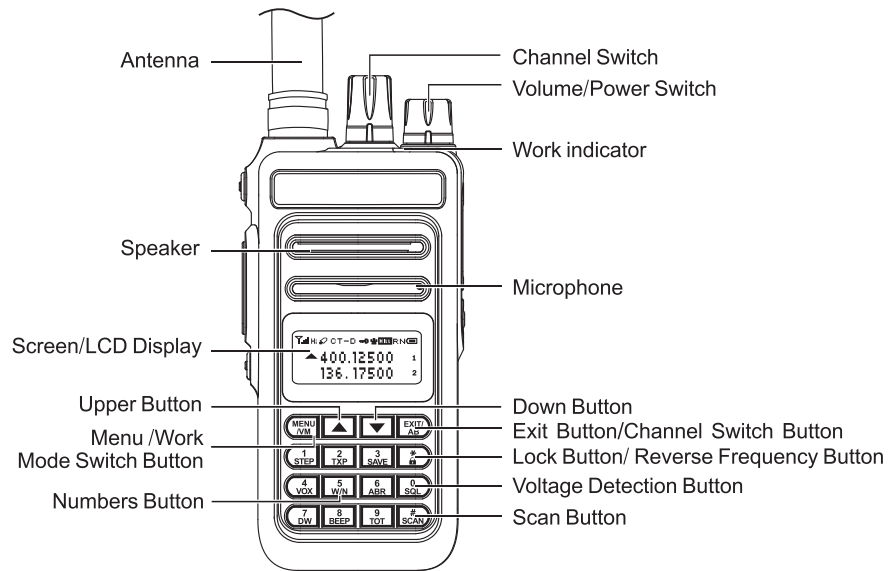
Insert the walkie-talkie strap into the middle ring of the walkie-talkie.

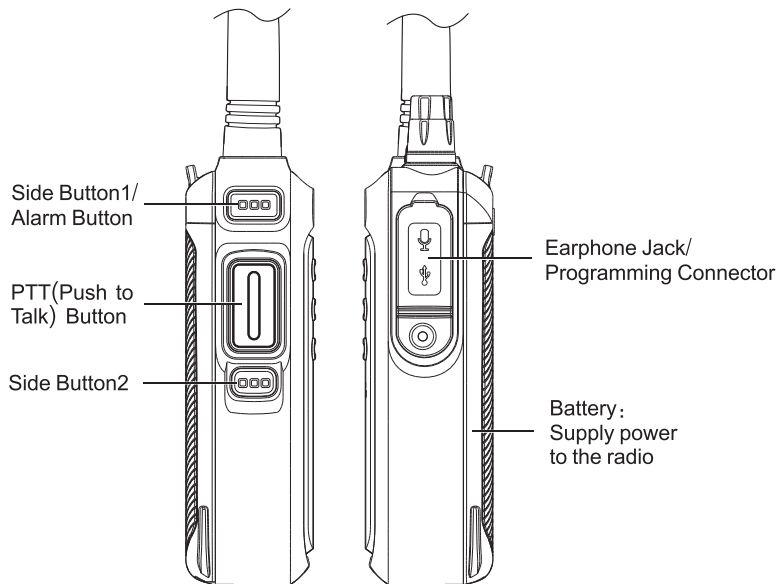
Installing optional Speaker/Microphone

Uncover the MIC-SP cover and then insert the HS03 speaker/microphone plug into MIC-SP Jack.



Getting Acquainted





1. PTT button

Transmit and receive switch button. When transmitting, press this button and speak to the microphone. Release this button for receiving.

2. Side Button 1(Alarm button)

Short press to turn on ID list. Long press to turn on the alarm function. There are 3 modes of alarm, which can be edited through menu operation and programming software.

3. Side Button 2

Multi-function button. The multi-function button has two modes: long press and short press. The button functions can be edited by the programming software. There are 5 types functions: FM radio, power switch, monitor, scan and talk around.

4. LCD Display

Display all working status of the two way radio.

5. 360 degree Channel Switch

Replace [▲] / [▼] buttons, for changing channels, frequency, and menu and so on.

6. A/B Band Switch

under the standby status, short press [EXIT/AB] to select A band or B band. When selected, the transmission will be transmitted with priority on the current channel.


7. Switch frequency mode / channel mode

under the standby status, long press [MENU/VM] to select frequency model and channel mode.

Function Keyboard

Menu selection / confirmation button: []

[] Button (Long press for more than two seconds, fast forward)

[] Button (Long press for more than two seconds, back fast)

[] Exit/Delete Button (In the input status, clear the entered information)

Number Keyboard

Used to input information to the programming menu of the radio; In the non-standard CTCSS editing status, you can directly input the non-standard CTCSS; press the number button in the transmitting state to send the corresponding DTMF code.

[] **Button:**

Press for a short time to turn on the reverse frequency function, and the receiving and transmitting frequencies will be reversed.

Long press for more than two seconds will turn on the keyboard lock; repeat the operation to unlock the keyboard.

[] **Button:**

Press and hold for more than 2 seconds in standby mode to start the scan function; In the FM radio state, short press this button to automatically search for FM radio stations.

[] **Button:**

Press and hold for more than 2 seconds in standby mode to display the current battery voltage.

Power / Volume Switch

Turn on the radio when turning clockwise; turn it fully counterclockwise and turn off the radio when you hear a "click" sound;

Turn clockwise to increase the volume, decrease on the contrary.

Status indicator

Transmit: Red light on

Receive: Green light on

External Jack







Used to connect earphone and programming cable. When programming cable is connected, you can use programming software and update the program by computer.











LCD Screen Display

The corresponding function icon will be appeared on the screen during operation. This display allows you to know more about the meaning of the indicator and how to set the functions.



Icon Instruction

Icon	Instruction
	Channel strength indication
	The current transmit power is high power (the longest communication distance and the biggest power consumption);
	The current transmit power is medium power (more power saving, and the communication distance is relatively moderate);
	The current transmit power is low power (the most power saving, the communication distance is relatively not far)
	This symbol appears when the side tone switch is set to button side tone / button + identity code / identity code
DCS	This symbol indicates that the current status is DCS
CT	This symbol indicates that the current status is CTCSS
+	This symbol appears in the frequency mode, which indicates that the transmitting frequency is the receiving frequency plus a frequency difference frequency. The frequency of the frequency difference is set in menu 29.
-	This symbol appears in frequency mode, which means that the transmitting frequency is the receiving frequency minus a frequency difference frequency. The frequency difference frequency is set in menu 29.
	The appearance of this symbol indicates that dual-frequency waiting is on, and it is in a dual-waiting state.

Icon	Instruction
	This symbol appears when the buttonboard is locked; press the [*] button to unlock and the symbol disappears
	Indicates that the sound emission function is activated. When the sound pressure level of the microphone reaches the set value, the emission starts.
	Remote kill indication
	Reverse the receiving and transmitting frequency under channel mode and frequency mode
	It appears when the channel is working in narrowband mode
	Display the current remaining power of the battery;  Battery full charge indication;  Battery remaining amount reminder;  The battery is nearly empty, the icon frame will flash, and the radio is prohibited from transmitting at this time
阿拉伯数字	Current channel number
阿拉伯数字	Current channel number
	Current working channel
阿拉伯数字	Current working frequency

Quick operation instructions

Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
0	Squelch	0 ,..., 9	Squelch level. The lower the level, the more easily it will be disturbed. The higher the level, the worse the sensitivity. Best set to medium.
1	Step	2.5KHZ,5.0KHZ,6.25KHZ,10KHZ	In frequency mode, press [▲] or [▼] button to change the frequency step
		12.5KHZ,20KHZ,25KHZ50KHZ	
2	Tx Power	High	Transmission at high power
		Middle	Transmission at middle power
		Low	Transmission at low power
3	Power save	OFF	Turn off power save mode
		ON	Turn on power save mode
4	Vox Level	OFF	Turn off VOX mode
		1, 2, ... 10	Activated sound pressure level
5	Bandwidth	Wide	Wide band working
		Narrow	Narrow band working
6	Backlight	Bright	Backlight always on
		1Sec,2Sec, ... 10Sec	Time from backlight to auto off

Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
7	Dual Standby	OFF	Turn off Dual Standby
		ON	Turn on Dual Standby
8	Beep Prompt	OFF	Turn off Beep prompt
		ON	Turn on Beep Prompt
9	VOICE	OFF	Turn off VOICE
		ON	Turn on VOICE
10	Tx over time	OFF	Press and hold PTT Button to transmit
		15,30, ... 600	Numbers from 15 to 600, in 15-step increments, indicating the maximum time to transmit when the PTT button is pressed
11	Rx DCS	OFF	No CTCSS/DCS
		D023N, ... ,D754I	DCS sequence
12	Rx CTCSS	OFF	No CTCSS/DCS
		67.0HZ, ... ,254.1HZ	CTCSS sequence, Simultaneous typing of standard or CTCSS non-standard by buttonboard

Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
13	Tx DCS	OFF	No CTCSS/DCS
		D023N, ..., D754I	DCS sequence
14	Tx CTCSS	OFF	No CTCSS/DCS
		67.0HZ, ..., 254.1HZ	CTCSS sequence, Simultaneous typing of standard or CTCSS non-standard by buttonboard
15	Voice Compand	OFF	Turn off voice compandor
		ON	Turn on voice compandor
16	Voice Encry	OFF	Turn off voice encryption
		SCR(1-8)	Turn on voice encryption
17	DCP	OFF、 mode 1、 2、 3	Turn on DCS DCP
18	DTMFST	OFF	
		DT-ST	Can monitor the DT - ST
		ANI-ST	Only monitor to the ANI - ST
		DT+ANI	Both monitor

Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
19	R-TONE	1000Hz/1450Hz/1750Hz/2100Hz	Repeat signaling code selection
20	S-CODE	1, 2, ..., 15	When needed, send the group of information codes (Information code can only be written by frequency writing software)
21	Scan Mode	Time	Time mode scan, stay on the current channel for a while after scanning the signal, and then continue scanning
		Carrier	Carrier mode scanning, stop scanning after scanning the signal until the signal disappears
		SearCH	Search mode: stay on the current channel after scanning the signal
22	ANI Match	OFF	Turn off ANI - Match
		ON	Turn on ANI - Match, The speaker can only sound after receiving the correct identity signaling decode
23	PTT-ID	OFF	Press PTT without sending code
		BOT	Press PTT to send the code (the content of the transmission code is set by the frequency writing software)
		EOT	Release PTT sent code


Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
23	PTT-ID	BOTH	Send and release codes when you release and press the PTT button
24	MDF-A	Frequency	Channel mode is in frequency mode
		Name	Channels are displayed as channel names (The specific name is set in the writing software)
		CH NUM	Display by channel number
25	MDF-B	Frequency	Channel mode is in frequency mode
		Name	Channels are displayed as channel names (The specific name is set in the writing software)
		CH NUM	Display by channel number
26	Busy Lockout	OFF	Channel occupied also allows transmission
		ON	Channel is occupied and transmission is prohibited
27	Key Auto Lock	OFF	Turn off button auto lock
		ON	Turn on button auto lock
28	Direction	None	In frequency mode, there is no frequency difference between the transmitting frequency and the receiving frequency

Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
28	Direction	Plus	In frequency mode, the transmitting frequency is equal to the receiving frequency plus the frequency difference
		Minus	In frequency mode, the transmitting frequency is equal to the receiving frequency minus the frequency difference
29	Offset	00.0000, ..., 99.9975	In frequency mode, the difference between transmitting and receiving frequencies (whether it is effectively controlled by the frequency difference direction)
30	Memory	000, ..., 127	When storing a channel, it is used to indicate the number of the channel to be stored. If the word CH- is displayed in front of the number, it means that the channel originally has channel parameters
31	Delete	000, ..., 127	Delete the channel parameters of the specified channel. If there is no CH- in the front, it means that the channel has no parameters and the operation is invalid.
32	WT-LED	Close, Blue, Orange, Purple	Standby time backlight colors selection. Default Color is Blue
33	RX-LED	Close, Blue, Orange, Purple	Receiving time backlight colors selection. Default Color is Purple

Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
34	TX-LED	Close,Blue, Orange, Purple	Transmitting time backlight colors selection. Default Color is Orange
35	Alarm Mode	On Site	Local Alarm Sound
		Send Sound	Giving local alarm sound while sending alarm sound to other members automatically
		Send code	Giving local alarm sound while sending the pre-set DTMF identification code
36	TAIL	OFF	After releasing the PTT, the machine does not shut down. Usually, when it is relayed through the relay, it will make noise to confirm whether the local signal is relayed.
		ON	After releasing the PTT button, the machine sends a shutdown code to suppress the instantaneous noise from the listener.
37	PROGER	OFF	Turn off call end tone
		ON	Turn on call end tone
38	Language	Chinese	
		English	
39	OPENMGS	LOGO MESSAGE VOL TAGE	Preset icons can be set by the writing software

Menu No.	First level menu display characters	Second level menu display characters	Description of the secondary menu settings
40	ANI ID		Query local identity ID code
41	Reset	VFO	Menu initialization
		ALL	Menu and channel initialization

◆ Automatic FM radio channel search

Under FM radio mode, press [] button shortly to turn on the automatic FM radio channel search.





◆ Current voltage inquiry

Under standby mode, press [] button to query the current battery voltage.

◆ Launch DTMF

Press the [PTT] button and the number button, launching the relevant DTMF number, or through the PTT-ID function to launch DTMF number. PTT-ID will send the selected signaling code group.








Tip:

[] / [] / [] / [] buttons are corresponding to DTMF [A] [B] [C] [D] .

Main function operations

◆ VOX








When this function is turned on, if the volume level of the user's speech reaches the selected electric frequency of the walkie talkie, the 【PTT】 button is not required, and the walkie talkie can also start the transmitting operation through voice. At some working stations, users can't call by pressing 【PTT】, that can use this function.

- (1) Under the standby condition, pressing 【】 button, voice prompt menu settings, enter functional menu settings.
- (2) Pressing 【】 or 【】 buttons, select 4 menu numbers forward or backward. Or enter the number 4 directly to enter the 4 menu number.
- (3) Pressing 【】 button, voice prompt “VOX launch”, choose 1-10 by press 【】 or 【】 button. (The higher the value, the higher the sensitivity; as choose 3)
- (4) Pressing 【】 button, voice prompt “sure”, save and return to parent menu.
- (5) Repeat operations above, choose OFF to turn off the VOX

Tips: when turn on the VOX function, speak into the microphone, and the voice can be sent out. Stop talking, and the transmission will also stop. You can choose VOX sensitivity level according to quiet degree of using environment. If too much environmental noise, it will long launch when turn on the VOX.


◆ Keyboard Lock

Keyboard lock forbidden number buttons to prevent you from activating a function by mistake. The radio can set as auto Keyboard lock function. The operation is as follows:

- (1) Under the standby condition, pressing 【】 button, voice prompt menu settings, enter functional menu settings.
- (2) Pressing 【】 or 【】 buttons, select 26 menu numbers forward or backward. Or enter the number 2 and 6 directly to enter the 26 menu number.
- (3) Pressing 【】 button, pressing 【】 or 【】 button, choose ON.
- (4) Pressing 【】 button, voice prompt “sure”, save and return to parent menu. Automatic keypad lock active.
- (5) Repeat operations above, choose OFF to turn off the automatic keypad lock and choose manual keypad lock. The operation is as follows:

- ① Under the stand by conditions, press the 【】 2 seconds to turn on keypad lock function (voice prompt “keypad lock”)
- ② Repeat press * button 2 seconds to turn off keypad lock. (voice prompt “keypad unlock”)



Tips:




After the automatic keyboard locking function is turned on, when it is not locked, there is no keyboard operation for 10 seconds, and the number keyboard is automatically locked. LCD icon display after keyboard lock is opened “”.


◆ Dual Standby

Under this function, radio can receive frequency set by A or B channel. The operation is as follows:

(1) Under the standby condition, pressing  button, voice prompt “menu setting”, enter functional menu settings.

(1) Pressing  or  buttons, select 7 menu numbers forward or backward. Or enter the number 7 directly to enter the 7 menu number.

(2) Pressing  button, voice prompt “Dual standby”, pressing  or  button, choose ON.

(3) Pressing  button, voice prompt “sure”, save and return to parent menu. LCD panel display character D

Tips: Repeat operations above; choose OFF to turn off dual standby. Under the menu model, dual standby turn off temporarily, and recover after exit.

◆ Voice Compandor

Through this function, it can reduce noise of call effectively.

◆ Voice Encryption

This function including 8 ways, they are scrambler 1, scrambler 2, scrambler 3, scrambler 4, scrambler 5, scrambler 6, scrambler 7, and scrambler 8. The encryption method needs to be consistent to talk.

◆ DCP

This function is only effective for CDCSS, which including 3 modes, as mode 1, mode 2, mode 3. No one else can decode your CDCSS.

Tips: Only when both sides of the speakers have turned on the DCP with the same mode can they talk normally, otherwise they can't.

◆ DTMFST

After it turns on, When the walkie talkie transmits, the speaker will send out the corresponding dual tone multi frequency sound. There are three modes for monitoring side tone: Button + ID code side tone, button side tone and ID code side tone.

◆ R-Tone

Press PTT button to send tone while holding down side button to define 1 button. There are four tone tones, 1000Hz, 1450Hz, 1750Hz and 2000Hz, which can be selected through the menu or frequency write software.

◆ R-Code

Used to extract the edited corresponding identity code group. The ID code group can be edited by frequency writing software. For editing method, please refer to DTMF editor description.

◆ Scan Mode

There are three scanning modes: time scanning, carrier scanning and search scanning

1. TO, stay for a while after scanning the signal, and then continue scanning

2.CO, stop scanning after scanning the signal until the signal disappears

3. SE, the search mode scans and searches the signal and stays in the current channel










◆ ANI Match

After turn on this function, the machine recognizes the effective identity code, the caller ID / GROUP / ALL / CALL will be displayed on the screen. After the effective ID is recognized, the machine will turn on the horn and reset the effective TOT (5S). That is to say, if a valid ID is recognized or a call is initiated actively, the horn can be turned on within 5S without ID recognition.

◆ Setting Methods of All Call / Group Call / Groups Call / Single Call

At the same time of launching, directly input the call ID code on the keyboard. For example, all members in a certain place are divided into 6 groups and 2 groups. Each group has 5 members. The member ID settings are as follows:

A Group			B Group		
First Team	Second Team	Third Team	Fourth Team	Fifth Team	Sixth Team
121	131	141	221	231	241
122	132	142	222	232	242
123	133	143	223	233	243
124	134	144	224	234	244
125	135	145	225	235	245

- 1.1. Only send the ID code, and only send the receiver's ID code when calling. Then the receiver's LCD will display "P: call" after identification
- 1.2. When sending the receiver's ID code + [*] + caller's ID code, the receiver will display "P: caller's ID code" on the LCD. For example: if A's ID 121, B's ID 123, then A sends 123 * 121, B shows P: 121, realizing personal call.
- 1.3. Send the first two numbers of the first group [] [] + [] + [], then all members of the first group receive the signal, and after identification, it will be displayed as "P: group!" on the LCD to realize group call.
- 1.4. Send group A's first ID number [] + [] + [], only all members of group A's three groups receive the signal, and the group call will be realized if it is displayed as "P: group!" on the LCD after identification.
- 1.5. Send any digit + [] + [] to call all members. After identification, the LCD displays "P: ALL" to realize all call.

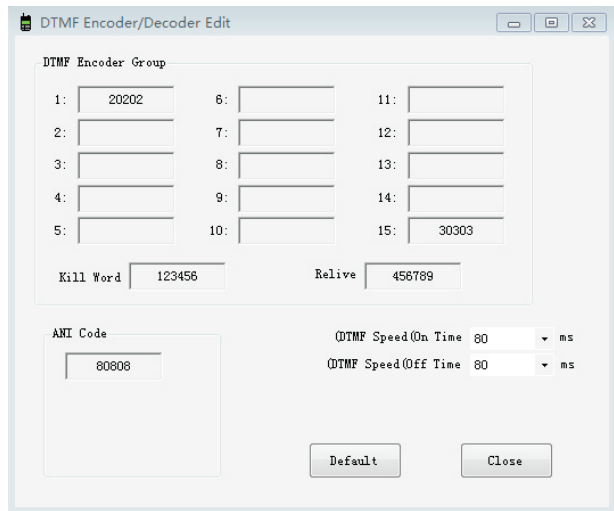
Tips:

1. Only when turn on ANI Match function, All Call / Group Call / Groups Call / Single Call will be activated.
2. After ANI Match function is turned on, the speaker can only be turned on within 5 seconds after receiving the correct signaling code or active call.

◆DTMF Editor

This radio can realize fast code sending by editing the stored ID code in advance. The editing method is as follows:

Open DTMF editor of write frequency software, as shown in the figure, edit ID code you want to edit:



Tips: When editing the ID code in the ID editor, you do not need to edit your own ID code; the receiver and sender's own ID code must be set to three digits to realize the call display.



◆ PTT-ID

PTT-ID refers to sending DTMF code edited in advance when PTT button is pressed for transmission. There are three modes of PTT-ID: code sending when PTT button is pressed, code sending when PTT button is released, code sending when PTT button is pressed or released

◆ Delete Channels

You may want to delete a storage channel because of a setup error or change other settings. The operation is as follows:

(1) Under the standby condition, pressing [] button, voice prompt “menu settings”, enter functional menu settings.


(2) Pressing [] or [] buttons, select 31 menu numbers forward or backward. Or enter the number 3 and 1 directly to enter the 31 menu number.


(3) Pressing [] button, voice prompt “delete”.

(4) Pressing [] or [] buttons, select channels to delete forward or backward.

If the character "CH-" is displayed in the digital prefix, it means that the channel number originally has channel parameters, which can be deleted.

If no, it means that the channel number is empty and can be stored directly without deletion.

(5) Pressing [] button, voice prompt “sure”, delete the stored channels, save and return to parent menu.

If the channel is empty, press the [] button to directly return to the upper menu (no "OK" voice prompt).

◆ Channel Storage

A complete channel include RX frequency, TX frequency, RX CTCSS, TX CTCSS, RX power, channel bandwidth, PTT-ID, busy channel lockout, signaling code, scanning addition, channel name, etc. In addition to scanning addition, signaling code and channel name need to be edited by frequency writing software, other parameters can be set in frequency mode, and then channel can be stored through menu 30, and they can be stored in the specified channel number by pressing [▲] or [▼].

Tips: When the channel is stored, the display of CH + channel number indicates that the current channel is stored, and the non-working channel only displays numbers.

◆ Alarm Mode

In case of emergency, the alarm function can be turn on to remind the nearby personnel to be vigilant. Long press 2 seconds to define side button 1 to turn on the alarm function, repeat the operation or press PTT button to turn off the alarm. There are three alarm modes: sending alarm tone, sending alarm code and on-site alarm.

1. Send alarm tone: send alarm tone at the same time as the local alarm
2. Send alarm code: send the current stored ID code at the same time of alarm
3. On site alarm means that only the local machine sends out an alarm tone

◆ Tail

Tail means that the speaker is mute after the end of the transmission; the closing Tail means that the other speaker makes a "click" at the moment of the end of the transmission

◆ OPENMGS

It has three modes: preset icon, preset information and battery voltage. Preset icon and preset information can be edited by frequency writing software.

◆ Remote Stun

At the same time of transmission, the signaling code is sent, and the other party is remote stun after receiving the code. The LCD screen displays "kiss", which cannot be received or transmitted.

◆ Canceling Remote Stun

Only after receiving the canceling remote stun code can the machine be returned to normal use.

◆ Talk Around

This function can be realized by defining side button2. After talk around is turned on, the current channel transmits at the receiving frequency. LCD display character "t" when the function is turn on.

◆ Reverse Frequency

In standby mode, press [🔒] button to turn on the reverse frequency function. After it is turned on, the transceiver frequency will be exchanged. That is, RX frequency becomes TX frequency, and TX frequency becomes RX frequency. When the reverse frequency is turned on, the LCD simultaneously displays "R".

Technical Specifications

Specifications:	
Frequency Range	VHF:136–174MHz/UHF:400–480MHz
Frequency Sensitivity	± 2.5 ppm
Rated Voltage	7.4V DC ± 20 %
Memory Channel	128 channel
Antenna Allocation	Pauperization antenna
Antenna Impedance	50
Working Space	Same frequency single working or different frequency single working
Dimension	116 × 54 × 35mm (including antenna)

Transmitter:	
Modulation Mode	16K ϕ F3E/11K ϕ F3E
Maximum Frequency Deviation	≤ 5kHz / ≤ 2.5kHz
Adjacent Channel Power	≥ 65dB ≥ 62dB
Spurious Power	≤ 7.5uW
Preemphasis Character	6dB/every time the frequency will increase
Current	≤ 1.6A
Wide/Narrow	0.75kHz ± 0.1kHz, 0.4kHz ± 0.1kHz
Modulation Sensitivity	8–12mV
Audio Distortion	≤ 5 %
Receiver:	
Sensitivity	≤ -0.2 μ V ≤ -0.25 μ V
Voice Output Power	≥ 500mW
Audio Distortion	≤ 5 %
Obstruct	≥ 85dB
Inter-modulation	≥ 65dB ≥ 60dB
Adjacent Channel Selection	≥ 65dB ≥ 60dB
Spurious Rejection	≥ 65dB

Please cut along with this line

GUARANTEE CARD

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 repl enishment 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 confirm the serial number on the guarantee card is same as that on the machine.
- 4.One-year guarantee,charger,battery,earphone,antenna and feeder line are not under guarantee.
- 5.The user can get repairing service from the following ways:
 - a.Go to the shop where you buy the machine
 - b.Our local repairing agent