



Thank you for purchasing this Radio.
We believe this easy-to-use radio will provide reliable and dependable communication.
The Radio incorporates the latest advanced technology.
As a result, we know that you will be pleased with the quality and features of this product.

PRECAUTIONS BEFORE USING

Please read the User's Manual before using. It gives you important information about how to operate the portable radio.

Please put the radio and accessories where the children can not touch.

Maintenance can only be performed by professional technicians.

Please use the standard battery pack and charger in order not to destroy the radio.

Please use the standard antenna, in order not to shorten the distance.

Do not expose the radio to sunlight for a long period of time, nor put it near the heat, nor use it in a high temperature environment.

Do not put it in extreme dust nor wet or on unsteady surfaces.

Keep it dry. (Rain or moisture will erode the electronic board).

Do not transmit when the antenna is not installed.

If you find bad smell or smog, please turn off the radio immediately. And take the battery off the radio, then contact with company's agent.

FEATURES

- O UHF/VHF dual band receive/transmit
- O Large LCD display
- O High capacity Li-ion battery and smart charger
- O PC programmable
- O Fast MENU operation
- O Emergency alarm function
- O H/L output power selective
- O Squelch level adjustable
- O Multi power saving function
- O Voice prompt (Chinese and English)
- O Reminding switch
- O Dual display of frequency and channel
- O Channel name edit
- O Channel storing
- O Frequency/channel mode shift
- O Multi LCD backlight selective
- O Time of backlight auto off selective
- O VOX function
- O Dual-watch operation
- O Receive/transmit code setting separately O CTCSS/DCS
- O Cable clone

- O CTCSS/DCS code search automatically
- O Offset frequency and offset direction setting
- O Multi step frequency
- O Busy channel lock
- O Time-out-timer (TOT)
- O Multi display mode: channel/frequency/ channel name
- O Multi scan function selective
- O Channel scan additive
- O Wide/narrow bandwidth selective
- O Main/sub channel shift
- O 1750Hz call tone
- O Reminding of repeater transfer
- O Auto-keylock
- O 128 channels
- O Channel delete function
- O Reset
- O DTMF function
- O PTT-ID
- O Reverse function

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SUPPLIED ACCESSORIES

Carefully unpack the portable radio. We suggest that you check the following items before you throw away the packing materials.

STANDARD SUPPLIED ACCESSORIES

ITEM	QTY
Portable radio	1
Antenna	1
Li-ion battery pack	1
Battery charger	1
Belt clip	1
Adapter	1
User's manual	1

STANDARD SUPPLIED ACCESSORIES



Battery charger





Adapter



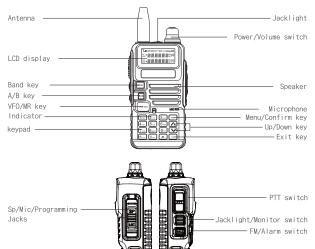
User's manual

CHARGING NOTES

Charging the Li-ion battery pack:

- Battery packs are not charged when they are shipped. Charge them before
 using.
- Initially charging the battery pack after purchase or extended storage (longer than 2 months) will not bring the battery pack to its greatest capacity or its normal charge, which can be done only after repeated charging and discharging two or three times.
- The average use time of battery pack is 10 hours.
- After the battery is charged to its highest capacity, and then used on the radio. If the radio still shows low power, please change a new battery pack.
- Do not short-circuit the battery terminals or throw the battery into fire.
- Never attempt to remove the casing from the battery pack.

DIAGRAM



BASIC OPERATION

Function Keypads

- Menu/Confirm key: MENU
- It's used for activating the menu, choose each menu item and confirm the parameter.
- Up key (Press more than 2s to scan, press up key to upward scanning):
 Down key (Press more than 2s to scan, press down key to downward scanning):
 Press key Exit to exit and clear.



Number Keypads

- Input the information to the radio.
- Input the non-standard CTCSS code in non-standard mode.
- In transmitting mode, press number keys to send corresponding DTMF code.







BASIC OPERATION

*Scan Key

- Press scan key for a short time to activate RX/TX reverse function.
- Press scan key for more than 2s to start frequency or channel scanning.
- In FM radio mode, press scan key to automatically search FM radio channel.
- In CTCSS/DCS mode, press scan key to start CTCSS/DCS code scanning.

r=0 Key

- In channel mode, press # ┏•O for a short time to switch H/L output power.
- Press #m-0 key for more than 2 seconds to lock or unlock the keypad.

Power/Volume Switch

- Turn the Power/Volume switch clockwise to turn the power on.
- Turn the Power/Volume switch counter-clockwise to turn the power off.

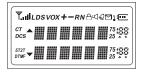
Indicator

- Transmitting:see the red light
- Receiving:see the green light

Sp/Mic/Programming Jacks

- It's used for external speaker/microphone.
- It's used for the connection of program by computer.

LCD DISPLAY



፻... Signal strength. \$8 Channel number display Frequency ending display

СТ	This symbol will appear when transmitting, it means transmitting CTCSS code.
DCS	This symbol will appear when transmitting, it means transmitting DCS code.
+	In frequency mode this symbol will appear it means transmitting frequency equals receiving frequency plus the difference of frequency. It can set different frequency.
-	In frequency mode, it will appear this symbol, it means transmitting frequency equals receiving frequency minus the difference of frequency. It can set different frequencies
+-	It means the transmitting and receiving frequencies are different at current channel
S	It means it already set dual watch operation function.
VOX	VOX function
R	Reverse function
N	Narrow bandwidth
_	It represents the remaining battery when the battery is almost used up, the frame
	starts to flicker and it forbid transmitting the radio.
Δ	It means the keypad is locked pressing key #/Lock can unlock the keypad.
L	Low frequency.
▲▼	Current frequency and current menu setting.

BASIC OPERATION

PTT Key

- Transmitting/Receiving switch key: Press "PTT" to transmit and speak to microphone.
- Release "PTT" to receive.

FM/Alarm Key

- Press it for a short time to turn on FM radio function.
- Operate it again to turn it off.
- Press it for a long time to turn on Alarm function. Operate it again to turn it off.

Jacklight/Monitor Key

- Press it for a short time to turn on Jacklight.
- Operate it again to turn on Flashing Alarming light. Operate it again to turn it off.
- Press it for a long time to turn on Monitor function.
- Press Jacklight/Monitor key to turn the power on, and then enter channel clone condition, It can copy one radio's channel parameter to another one.

NOTE: Cloning cable must be used to connect these two radios.

Band Key

- UHF/VHF frequency band shift;
- In transmitting mode, press Band key to send 1750Hz call tone.

FAST MENU SETTING

- 1 Press Menu key;
- 2 Press Menu key again;
- 3 Press Up/Down key to select Menu No.
- 4 Press Menu to exit/confirm(As picture below).



NOTE:

- ① In channel mode, the setting of following features is invalid: CTCSS/DCS, Wide/narrow bandwidth, PTT-ID.

 Busy channel lock, Channel scan additive, Channel name edit.
- ② High/Low power can only be changed by pressing fast key #.
- Align/Low power can only be changed by pressing fast key #

FAST MENU OPERATION FLOW

Sauelch Sol. MeNJ+0 Sol. MeNJ+0 Sol. MeNJ+0 Sol. MeNJ+0 Sol. MeNJ+0 Sol. MeNJ+1 Step Step MenJ+1 Step Frequency Step MenJ+1 Step MenJ+2 Sol. MenJ+2 Sol. MenJ+2 Sol. MenJ+2 Sol. MenJ+3 Sol. MenJ+3 Sol. MenJ+3 Sol. MenJ+3 MenJ+										
1 Step STEP MENU-1 A STEP STEP MENU-1 A STEP S. OK A or ▼key to choose.	0		SQL	MENU+0	▲ SQL 0	and then press ▲or▼key to choose.	SQL 0 ▼ 6	0:Lowest	MENU	
2 Power TXP MENU-2 ATXP Z MENU-3 ATXP Z ATXP Z ATXP Z MENU-3 ATXP Z	1		STEP	MENU+1	▲ STEP 1 25.0K	and then press ▲or▼key to		/10.0/12.5/	MENU	
3 Battery Saving Save MeNul-3 Ask Saving Save MeNul-3 Ask Saving Save Menul-3 Ask Saving Save Menul-4 Ask Saving Save Saving	2		TXP	MENU+2	▲ TXP 2 HIGH	and then press ▲or▼key to			MENU	
4	3		SAVE	MENU+3	A SAVE 3	and then press ▲or▼key to		1:1 2:2 3:3	MENU	
5 Channel Bandwidth MeNu-5 MeNu-5 MeNu-5 MeNu-5 MeNu-5 MeNu-6 MeNu-7 Menu-6 Men	4	vox	VOX	MENU+4		and then press ▲or▼key to choose.		1: Lowest Sensitivity 10: Highest	MENU	
6 Back Light ABR MENU-6 OFF ON OFF MENU PTI or ON OFF ON ON	5		W/N	MENU+5	▲ WN 5 WIDE	and then press ▲or▼key to choose.			MENU	
7 Dual-watch TDR Deration TDR MENU-7 DF Deration TDR MENU-7 DF Deration TDR MENU-6 DF DEF DEF DEF DEF DEF DEF DEF DEF DEF	6		ABR	MENU+6	ABR 6 OFF	and then press ▲or▼key to choose.	ABR 6 ▼ NARR		MENU	
8 Sound BEEP MENU-8 A SEEP 8 and then press Seep 8 Seep 8 OW OFF MENU PTT or 9 Time-Out- TOT	- /		TDR	MENU+7		and then press ▲or▼key to			MENU	
9 Timer-ULT TOT MENU-9 TOT	8	Sound	BEEP	MENU+8	▲ BEEP 8 OFF	and then press ▲or▼key to	BEEP 8 ▼ ON		MENU	
10 Receive R-DCS MENU+10 A-B-DCS10 Press Menu key, and then press Menu key. A-B-DCS10 OFF D023N-D754N MENU PTT or D023N-D754N	9		тот	MENU+9		and then press ▲or▼key to	TOT 9 ▼ 600		MENU	
	10		R-DCS	MENU+10	R-DCS10 OFF	Press Menu key, and then press ▲or▼key to	R=DCS 10 ▼ D023N	D023N-D754N	MENU	

FAST MENU OPERATION FLOW

FAST MENU OPERATION FLOW

11	Receive CTCSS	R-CTCS	MENU+11	R-CTCS ¹¹ OFF	Press Menu key, and then press ▲or▼key to choose.	R-CTCS ¹¹ ▼ 67. 0HZ	0FF 67. 0-254. 1HZ	MENU	PTT or EXIT
12	Transmit DCS	T-DCS	MENU+12	T-DCS 12 OFF	Press Menu key, and then press ▲or▼key to choose.	T-DCS 12 ▼ D023N	OFF D023N=D754N D0231=D7541	MENU	PTT or EXIT
13	Transmit CTCSS	T-CTCS	MENU+13	T-CTCS ¹³ OFF	Press Menu key, and then press ▲or▼key to choose.	T-CTCS ¹³ ▼ 67. 0HZ	0FF 67. 0-254. 1HZ	MENU	PTT or EXIT
14	Voice Reminding	VOICE	MENU+14	▲ VOICE 14 OFF	Press Menu key, and then press ▲or▼key to choose.	VOICE 14 ▼ ON	ON OFF	MENU	PTT or EXIT
15	ANI-ID	ANI-ID	MENU+15	ANI-ID15		ANI-ID 15	1-5 digit arbitrary selection(It can be programmed by software.)	MENU	PTT or EXIT
16	DTMFST	DTMFST	MENU+16	▲ DTMFST ¹⁶ OFF	Press ▲or▼key or input numbers directly	DTMFST 16 ▼ DT-ST	OFF DT-ST: Sending by keypads ANI-ST: Auto sending DT+ANI: Auto sending and sending by keypads	MENU	PTT or EXIT
17	Signal Code	S-CODE	MENU+17	▲ S-CODE 17	Press Menu key, and then press ▲or▼key to choose.	S-000E ¹⁷ ▼ 13	1-15 group (It can be programmed by software.)	MENU	PTT or EXIT
18	Scan Resume Mode	SC-REV	MENU+18	SC-REV 18	Press Menu key, and then press Aor Vkey to choose.	SC-REV 18 ▼ SE	TO: Time scanning OD: Carrier wave scanning SE: Search scanning	MENU	PTT or EXIT
19	PTT ID	PTT-ID	MENU+19	PTT-ID 19 OFF	Press Menu key, and then press ▲or▼key to choose.	PTT-ID ¹⁹ ▼ BOT	OFF: Press PTT not send BOT: Press PTT to send. (PTT ID code can choose from program software EOT: Release PTT to send. BOTH: Press or release PTT to send.	MENU	PTT or EXIT
20	PTT ID Prolong Time	PTT-LT	MENU+20	PTT-LT 20	Press Menu key, and then press ▲or▼key to choose.	PTT-LT 20 ▼ 1	0, 1, 2····· 30ms	MENU	PTT or EXIT

21	A Channel Display Mode	MDF-A	MENU+21	MDF-A 21 FREQ	Press Menu key, and then press ▲or▼key to choose.	MDF-A 21 ▼ CH	FREQ: Channel+ frequency CH: Channel NAME: Channel name (It can be programmed by software.) FREQ: Channel+	MENU	PTT or EXIT
22	B Channel Display Mode	MDF-B	MENU+22	▲ MDF-B 22 FREQ	Press Menu key, and then press ▲or▼key to choose.	MDF-B 22 ▼ CH	frequency CH: Channel NAME: Channel name (It can be programmed by software.)	MENU	PTT or EXIT
23	Busy Channel Lock	BCL	MENU+23	▲ BCL 23 OFF	Press Menu key, and then press Aor Vkey to choose.	BCL 23 ▼ ON	ON OFF	MENU	PTT or EXIT
24	Auto Keypad Lock	AUTOLK	MENU+24	AUTOLK ²⁴ OFF	Press Menu key, and then press Aor Vkey to choose.	AUTOLK ²⁴ ▼ ON	ON OFF	MENU	PTT or EXIT
25	Frequency Deviation Setting	SFT-D	MENU+25	A SFT-D 25 OFF	Press Menu key, and then press Aor Vkey to choose.	SFT=D 25 ▼ +	OFF +: TX frequency >RX frequency -: TX frequency <rx frequency<="" td=""><td>MENU</td><td>PTT or EXIT</td></rx>	MENU	PTT or EXIT
26	Frequency of Different Frequency	OFFSET	MENU+26	↑ OFFSET 26 00.000	Press Menu, key and then input numbers directly.	0FFSET ²⁶ ▼ 05. 000	00.000- 69.990MHZ	MENU	PTT or EXIT
27	Channel Store	MEM-CH	MENU+27	MEM-CH ²⁷ 000	Press Menu and then press ▲or▼key to choose Or input three numbers directly.	MEM—CH ²⁷ ▼ 036	0-127 Channels	MENU	PTT or EXIT
28	Channel Delete	DEL-CH	MENU+28	DEL-CH ²⁸	Press Menu and then press ▲or▼key to choose Or input channel numbers directly.	DEL-CH ²⁸ ▼ 006	Any one of the stored channels.	MENU	PTT or EXIT
29	Standby Backlight	WT-LED	MENU+29	MT-LED ²⁹ OFF	Press Menu, and then press ▲or ▼key to choose.	WT-LED ²⁹ ▼ RED	Green Purple Sky Blue	MENU	PTT or EXIT
30	RX Backlight	RX-LED	MENU+30	RX-LED 30 OFF	Press Menu, and then press Aor Wkey to choose.	RX-LED 30 ▼ RED	Green Purple Sky Blue	MENU	PTT or EXIT
				•					11

FAST MENU OPERATION FLOW

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Press Menu key, and then press Menu key, and the press Menu key, and t 31 TX Backlight MENU PTT or EXIT TX-LED MENU+31 Choose. Press Menu key, and then press Menu key, Andrewey to choose, UHF SND 33 UHF SND 34 UHF SND 35 UHF SND 36 UHF SND 37 UHF SND MENU PTT or EXIT 32 Alarm Mode AL-MOD MENU+32 33 Frequency Band Shift MENU PTT or EXIT BAND MENU+33 34 Operation (Cross Band TX/RX) TDR-AB³⁴ and then press Aor ▼key to choose. MENU PTT or EXIT TDR-AB MENU+34 35 Tail Tone Elimination MENU PTT or STE MENU+35 Repeater Tail Tone Elimination MENU PTT or EXIT RP-STE MENU+36 Time of Repeater Tail Tone Eliminatio MENU PTT or EXIT RPT-RL MENU+37 Displays of Power On Reminding of End Talk MENU PTT or EXIT PONMSG MENU+38 MENU PTT or EXIT ROGER MENU+39 RESET 40 ALL Press Menu key, and then press Arrowse to choose MENU PTT or Reset RESET MENU+40 Manually Lock the Press key "#" for more than 2s. 440.875 3 Auto Keypads

FAST MENU OPERATION FLOW

Rapid Alert	ALARM	Press CALL key for more than 2s.	ALARM 144. 625				Auto	PTT
Jacklight		Tap MON key				Repeatedly tap WON key to turn Jackight/Warning light off.	Auto	Auto
Monitor	MON	Press key MON for more than 2s.				Press key MON for more than 2s to turn it on. Release key MON to turn it off	Auto	Auto
Cable Clone	COPING	Press key MON to turn the power on.	COPING				Auto	Auto
Channel / Frequency Mode Conversion	VF0/MR	Press the VFO/MR key	▲ 440. 875		440.875 3 146.225 4	Display channel mode according to menu21 and 22.	Auto	Auto
TX 1750Hz Call Tone		Press key PTT+BAND					Auto	Release PTT
Reverse Function	R	Tap "*" key	R 440. 875 146. 225			Repeatedly tap key "%" to turn it on or off	Auto	Auto
Frequency Scanning	FM	In frequency mode, press key "*" for more than 2s.	440. 875 146. 225	Press key ▲or▼to change the scanning direction.		Scan upward or downward according to the set step frequency.	Auto	PTT or EXIT
Channel Scanning		In channel mode, press key "*" for more than 2s.	▲440.875 3 146.225 4	Press key ▲or▼to change the scanning direction.		Scan upward or downward according to the set channels.	Auto	PTT or EXIT
Research CTCSS/DCS Code		MENU+10 or MENU+11	R-CTCS or R-DCS	Press "*" key		Automatcally research CTCSS/ DCS code.	MENU	PTT or EXIT
Cursor "▲" Conversion	A/B	Tap key "AB"	▲440.875 3 146.225 4	Repeatedly press key "AB"	440, 875 ³ ▼146, 225 4	A (Upper row) / B (Bottom row)	Auto	Auto
High/low Power Fast Conversion	H/L	In Channel mode, tap key "#"	H 440. 875 3 146. 225 4	Repeatedly press key "*" .	440. 875 3 146. 225 4	H: 4W L:1W	Auto	Auto

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FAST MENU OPERATION FLOW

NOTE: This model has dual-frequency display function. In frequency mode it can display two different receiving and transmitting frequencies; In channel mode it can display two related parameters of two different channels.

In frequency or channel mode, press key A/B to shift between main-channel A and sub-channel B. When "A" points to the main channel all operations are against channelA; When "▼" points to the sub-channel, all operations are against the

FUNCTION OPERATION AND DESCRIPTION (The following description is without voice prompt.)

Battery Saving (SAVE)

This function is mainly to save the capacity of battery when the radio is standby. The operation steps are as follows:

- 1. In frequency or channel mode, press Menu+3, the LCD displays: A SAVE 3
- 2. Press key Menu, and then press key \blacktriangle or \blacktriangledown to choose battery saving function. The LCD displays: SAVE 3

There are five kinds of mode. ①OFF ②1: 1 ③1: 2 ④1: 3 ⑤1: 4

Example: 1: 1(1s' working, 1s' battery saving,) 1: 2 (1s' working, 2s' battery saving.)

3. After setting, press key Menu to confirm, and then press key PTT or Exit to standby.

NOTE: If you choose OFF, the radio is not battery saving. In general, we suggest you choose 1:1.

VOX Function (VOX)

When this function is on, the system will inspect your talking to the microphone and then it will automatically shift to transmitting mode without manual operation (This function is useful for earphone users).

The operation steps are as follows:

- 1. In frequency or channel mode, press Menu+4, the LCD displays:
- 2. Press key Menu, and then press key \blacktriangle or \blacktriangledown to choose VOX level. The LCD displays: $\boxed{\begin{smallmatrix} \text{VOX} & 4\\ \blacktriangledown & 5 \end{smallmatrix}}$ There are (OFF-10) levels. OFF:OFF 10: Lowest level 1: Highest level
- 3, After setting, press key Menu to confirm, and then press key PTT or Exit to standby. The LCD displays: 440.875

NOTE: The higher the level is, the higher the sensitivity of microphone is. This function is invalid in scanning and FM radio mode.

Dual-watch Operation (TDR)

When this function is on, you may receive the frequency of channel A and channel B at the same time.

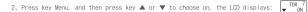
If any AB channel or frequency receives signal, "A" will glitter on corresponding

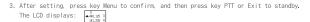
Example: Channel A: 440.125 MHz, Channel B: 141.235 MHz,

The LCD displays: (\$\bigs_{00.125}^{\text{400.125}} \bigs_{144.235}^{\text{400.125}} \end{array}\$ or (\$\bigs_{144.235}^{\text{400.125}} \end{array})

The operation steps are as follows:

1. In standby mode, press Menu+7, the LCD displays:





NOTE: In dual-watch operation mode, you can change the parameter of AB channel or frequency freely.

Scan Resume Mode (SC-REV)

This function can scan activities from other radios' frequencies or channels. You can select the scan mode according to your request.

The operation steps are as follows:

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1. In frequency or channel mode, press Menu+18, the LCD displays:



- 2. Press key Menu, and then press key ▲ or ▼to choose, the LCD displays: SC-REY 18 There are three ways of scanning.
- TO: Time scanning, continue scanning after searching signal for 5s.
- CO: Carrier scanning, when it searches the signal, it continues scanning after the signal disappear.
- SE: Search scanning, stop scanning after searching the signal.
- 3. After setting' press key Menu to confirm'and then press key PTT or Exit to standby

Channel Store (MEM-CH)

When the radio is in frequency working mode or standby mode, input the desired frequency or parameters directly.

The operation steps are as follows:

1. In frequency mode, press Menu+27, the LCD displays:



2. Press key Menu, and then press key ▲ or ▼ to choose channel number, or you can input your desired channel number directly.

Fox example, if you want to input No. 25 channel, pls input number 0, 2, 5 directly.

3. After setting, press key Menu to confirm, and then press key PTT or Exit to standby. Example: Channel 1 (Same frequency) Receiving frequency: 445.875 MHz CTCSS:71.9 Hz

Transmitting frequency: 445.875 MHz CTCSS:71.9 Hz

Channel 2 (different frequency) Receiving frequency: 445.575 MHz

Transmitting frequency: 440.575 MHz CTCSS:88 5 Hz

First, storing channel 1:

a. In frequency mode, input number 4, 4, 5, 5, 7, 5,

b. Press Menu+11, the LCD displays: AR-CTCS11



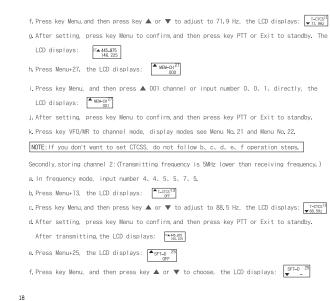
c. Press key Menu, and then press key ▲ or ▼ to adjust to 71.9 Hz, the LCD displays: R-CTCS11 ▼71.9Hz



d. After setting, press key Menu to confirm, and then press key PTT or Exit to standby. The

LCD displays: CTA 445.875

e. Press key Menu+13, the LCD displays: AT-CTCS13



g. After setting, press key Menu to confirm, and then press key PTT or Exit to standby. The LCD displays:

465.75

h. Press Menu+26, the LCD displays:

i. Press key Menu, then input number: 0, 5, 0, 0, 0

j. Press key Menu+27, the LCD displays:

MENCH

i. Press key Menu+27, the LCD displays:

MENCH

i. Press key Menu, and then press key or to choose No. 2 channel or input number 0, 0, 2 directly. The LCD displays:

MENCH

i. Press key Menu, and then press key or to choose No. 2 channel or input number 0, 0, 2 directly. The LCD displays:

MENCH

i. Press key Menu, and then press key PTT or Exit to standby.

M. Press key VFO/MR to channel mode, the LCD displays:

MENCH

Display modes see Menu No. 21 and Menu No. 22.

NOTE:Pls check the channel you store has the original channel or not, if does, you need to delete it before channel storing. (Channel delete see Menu No. 28)

Channel Delete (DEL-CH)

This function is used to delete channels and information of the radio.

Example: Delete channel 2

The operation steps are as follows:

1. In frequency or channel mode, the LCD displays: DEL-CH²⁸



- 2. Press key Menu, and then press key ▲ or ▼ to adjust channel 002 or input number 0.
- 0, 2 directly. The LCD displays: DEL-CH²⁸
- 3. After setting, press key Menu to confirm, and then press key PTT or Exit to standby.

NOTE:Please correctly choose the channel you want to delete in case of restorage and uncessary trouble.

With display CH-*** means there is storage channel, and then can be deleted

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation, If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

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- Increase the separation between the equipment and receiver.
- -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

SPECIFICATIONS

Rx VHF: 136~174 MHz, UHF: 400~520 MHz
Tx VHF: 144~148 MHz, UHF: 420~450 MHz
128 channels
2. 5/6. 25/10/12. 5/20/25KHz
DC7. 2V (Rechargeable Li-ion battery)
±2.5ppm
-20°C ~+50°C
Same frequency single operation or different frequency single operation
50Ω
122x58x37mm (Not include antenna)
5W
16KΦF3E/11KΦF3E
≤5KHz/≤2.5KHz
≤7.5μW
≤-65dB/≤-60dB
≥-45dB/≥-40dB
0.7±0.1KHz/0.4±0.1KHz
8-12mV
≤ 1. 4A (H)
-122dB (12dB SINAD)
1W
< 10%
≥65dB/≥60dB
≥65dB/≥60dB
≥65dB
≤380mA

All stated specifications are subject to change without notice or obligation

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