



RECYCLABLE PACKAGING

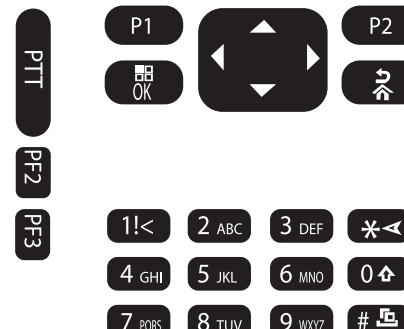


Functions

- Frequency band: FM88.1-108MHz(Receive)
VHF 108-136MHz(Only AM receive)
VHF 136-174MHz(RX)&144-148MHz(TX)
UHF 400-520MHz(RX)&420-450MHz(TX)
- Working mode: Frequency mode/Channel mode
- FM Radio
- Dual standby
- 50 CTCSS/105 DCS
- RX CTCSS/DCS, TX CTCSS/DCS can be set individually
- TOT
- Voice encryption(Frequency Hopping)
- Frequency Step: 2.5K/5K/6.25K/10K/12.5K/20K/25K/50K
- Battery saving
- Reverse Frequency / Talk around
- VOX
- Busy channel lockout
- Low battery alert / Voltage display
- Automatic backlight
- Channel display: Frequency/Channel/Channel name
- Scan: Time/Carrier/Search
- Frequency mode: Frequency difference+/Frequency difference-
- Frequency mode: Frequency difference range: 0-99.9995MHz
- Frequency mode: Edit/Save channel specs
- 256 memory channels
- Emergency
- Frequency scan
- DTMF

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- GPS (optional)
- Boot interface customization
- PC Programming
- Wireless programming via Bluetooth(optional)



Keypad description

- Keypad function
P1
Short press: Switch A/B band
Long press: In channel mode, switch channel display mode
P2
Short press: Switch frequency mode and channel mode
Long press: Turn on/off ANI name display function

Functional keypad

Select/confirm []

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begin transmission.

SE: Search scanning, the walkie-talkie exits scanning when it detects a signal and stays at this frequency.

FM function

- Turn on FM function, the screen will display current FM frequency
 - Press [] or [] to change FM frequency, or input via keypad(88.1-108MHz); Press # key to scan FM frequency automatically in FM mode
 - Adjust volume via Power/volume knob
 - Press FM key again to exit FM mode
- Note: FM function need to be set in side key customized setting.

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Frequency scan

Scan other radios' CTCSS/DCS and frequency to make a contact.

After defining the side key function as a frequency scan function, turn it on through the side key. This function can scan the frequency of U/V/200M/350M, and switch the frequency band to be scanned by the [P1] key. After scanning the frequency, it will continue to scan CTCSS/DCS. If there is no CTCSS/DCS, the screen will display 'NONE' and end the scan. At this time, the scanned data can be saved to the designated channel through the [] key and the frequency scan function can be launched. Or through [] or [] to start the next frequency scan.DTMF

A. DTMF encode

Quick transmitting Encode: In transmitting status, press digit keys, [] *, # to transmit DTMF encode 0-9, ABCD*#. Press key to continuously encode transmitting and release to end encode transmitting.

Transmitting encode after editing: In standby mode, press [#] key to enter DTMF edit menu, input 0-9,ABCD*#, if less 6 digits then press [#] as ending. Done editing, press PTT to transmitting DTMF. In edit mode press [] to delete encode, then press [] to exit DTMF edit mode.

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Enter Menu, then select option in menu list

[] Long press to quickly change menu option, in Scan mode, change scan direction

[] Long press to quickly change menu option, in Scan mode, change scan direction

[] In the input state, clear the information that has been input

Numeric keypad

Input information while in programming menu or input non-standard CTCSS/DCS if need [] key

Short Press: Switch Reverse Frequency / Talk around /Normal mode

Long press(Over 2 seconds): Active frequency/channel scan[]

Short press: DTMF edit. Use * key to end if less then 6 digits

In FM mode, scan FM

Long press: Lock/unlock keypad

[SOS] Key

Long press to enter this function, short press to exit this function

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Power/Volume on-off
clockwise rotation: Power on/Volume+
Anticlockwise rotation: Power off/Volume-

Status Indicator

TX- Red light

RX- Green light

External Jack

Earpiece or programming cable

Side key 1(PTT): Short press to exit SOS mode while in SOS mode

Side key 2: Set functions via programming software

Side key 3: Long press to active MONI mode. Set function for short press via programming software

2. Multi keys function

1750Hz Tone: PTT + MONI

DTMF: PTT+ numeric keys+ [] to transmit DTMF 0-9, ABCD*#

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B. DTMF Decode

ANI Name Display

To indicator which radio is transmitting. 60 group names can be selected.

50 groups name are radio 1 to radio 50. The rest of 10 group names can be edited via programming software.

GPS function

Press [] or [] to enter the GPS positioning interface.

At the same time, you can switch the coordinate display mode and the image mode. It also has the backtracking function. You can store the starting point position in advance, and you can view the direction and distance to the current position in real time to ensure that you won't get lost in the wild.

Wireless programming via Bluetooth

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FCC Compliance Statements:

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

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

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

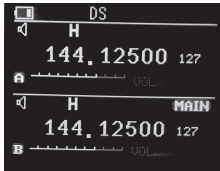
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate 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.
- 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.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

Screen display and Menu list

Screen display



Icon definition

Icon	Description
[CT]	CTCSS display
[DS]	DS display
[+]	Frequency difference +
[-]	Frequency difference -
[DS]	Dual standby
[A]	VOX
[R]	Reverse Frequency
[T]	Talk Around
[N]	Narrow Band
[CR]	Battery level display
[H]	Keypad lock
[H]	High Power
[L]	Low Power
[Z]	Tone while DTMF transmitting
[P]	PTT Mode
[B]	Bluetooth turn on
[B]	GPS turn on
[P]	Transmitting power
[A]	Indicates the amplitude of audio transmission when transmitting, and the signal strength when receiving.

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Screen display



Menu

Menu List

Menu List	No	Chinese	2nd menu characters	Description
0	SBL	静噪等级	0 --- 9	Adjust the scan threshold. 0: Auto threshold. 1-9: Manual threshold. 0: The lowest, 9: The highest.
1	STEP	步进频率	2.50K 5.00K 6.25K 10.00K 12.50K 20.00K 25.00K	Frequency mode change frequency
2	MEMO	信道存储	000 --- 256	Indicates the channel number to be stored. If it is 0, the channel is not stored. If it is 1-256, the channel is stored. If the channel already has a stored name, it will be replaced.
3	DELH	信道删除	000 --- 256	Indicates the channel number to be deleted. If it is 0, the channel is not deleted. If it is 1-256, the channel is deleted. If the channel already has a stored name, it will be replaced.

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Licensing Information

Use our radio in USA is subject to the rules & regulations of FCC. Changes or modifications not expressly approved by our may void the user authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the use of those services. Replacement of any transmitter component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Important: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians.

4	R-CTCSS	接收模拟亚音	OFF	None DCS
5	R-DCS	接收数字亚音	002K --- 07	Standard DCS
6	T-CTCSS	发射模拟亚音	07 002 --- 2	Input standard or non-standard CTCSS via keypad
7	T-DCS	发射数字亚音	002K --- 07	Standard DCS
8	VOICEM	语音监听	OFF	None
9	CH NAME	信道名称	Channel name 1-16	Channel name 1-16
10	TAP	监听功率	HIGH	High Power Transmitting
11	SAVE	省电模式	LOW	Low Power Transmitting
12	POWER	通信结束提示音	OFF	None
13	TOT	发射限时	30, 60, --- 180	Transmitting time limit
14	VOX	声控发射	OFF	None
15	W/N	信道带宽	WIDE	Wide mode

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16	VOICE	语音提示开关	OFF	Turn off voice prompt
17	BEEP	蜂鸣器开关	ON	Turn on voice prompt
18	LANGUAGE	语言设置	English	Language
19	BCL	繁忙锁定	ON	Busy Lock
20	SO-REV	扫描模式	TO	Scan mode
21	PF2	侧键 2 短按功能设置	SE	Side key 2 short press function
22	PF2 LONG	侧键 2 长按功能设置		Side key 2 long press function
23	PF3	侧键 3 短按功能设置		Side key 3 short press function
24	ABR	自动背光灯时间设置	ON	Auto backlight on
25	OFFSET	频率偏移	00, 000 --- 9	Frequency offset
26	ST-D	频率方向	+	Frequency direction

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27	SCAN CTCSS	扫描模拟亚音	ALL	ALL
28	SCAN DCS	扫描数字亚音	TX	Transmitting
29	DCSS SAVE MODE	扫描亚音模式	TX	Transmitting
30	POWER ON MSG	开机画面选择	LOW	Power on message
31	ANI NAME	本机名称选择	NONE --- MEMO	None or memo
32	S-ODD	DTMF 奇数码	1, 2, 3, 15	DTMF odd code
33	DTMF CODE	上下键码	BOTH	Both
34	DTMF ST	侧音开关	DT-ST	DTMF side tone
35	AUTOLK	自动锁频	OFF	Auto lock
36	SCAN ADD	信道扫描添加	55, 105, 155	Scan add
37	TONE	音调	1000, 1450, 1750, 2100Hz	Tone
38	PTT-LT	发射机延迟时间	0, 100 --- 10	PTT delay
39	MEMO EDIT TIME	菜单自动退出时间	5, 10, --- 60S	Memo edit time
40	VOX DELAY	声控延迟	0, 500S --- 2, 500S	Vox delay
41	RP_STE	过中频噪声消除	OFF	RP-STE

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42	RPT-RL	过中频噪声提示	1, 2, 3, 4, 5, --- 10S	OFF: Adjust to el length of time the tail sound appears, if not needed, set it to OFF.
43	ANI FUNCTION	身份码功能	OFF	Turn off
44	MSF-A	A 段显示模式	NAME	A band display as name
45	MSF-B	B 段显示模式	NAME	B band display as name

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46	TDR	双频守候	OFF	Turn off
47	TX-A/B	发射发射选择	OFF	Turn off
48	STE	静音消除	ON	Turn on
49	AL-MSD	报警模式	STTE	On-site Emergency
50	GPS	GPS 定位	OFF	Turn off
51	BLUETOOTH	蓝牙有解	OFF	Turn off
52	DISPLAY	接收时间显示	ON	Turn on
53	RESET	恢复出厂设置	ALL	Reset to factory

Note: When entering the menu, take note of whether to set A band or B band.

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Menu operation

1) Press [] , then enter menu via up/down key.

2) Press [] again to enter the menu function

3) Select option via up/down key.

4) Press [] to confirm and back to main menu

5) Press [] to exit menu and back to normal working mode.

Note: Step, TX power, W/N band, CTCSS/DCS, frequency different etc. only set valid in frequency mode.

Other function description

1. Dual PTT

Set side key 2 as PTT-B, press PTT to transmit A band, press PTT-B to transmit B band.

2. AM Mode

108-136MHz, AM mode receiving

3. Scan mode

TO/CO/SE Mode

TO: Time scanning, the walkie-talkie pauses scanning when it detects a signal, and after staying stopped for about 5 seconds, the walkie-talkie will continue scanning even if the signal is still there.

CO: Carrier scanning, the two-way radio pauses scanning when a channel is detected and keeps it on the same frequency until the signal disappears. There is a 2 second delay between the disappearance of the signal and the resumption of scanning to allow time for the response to

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