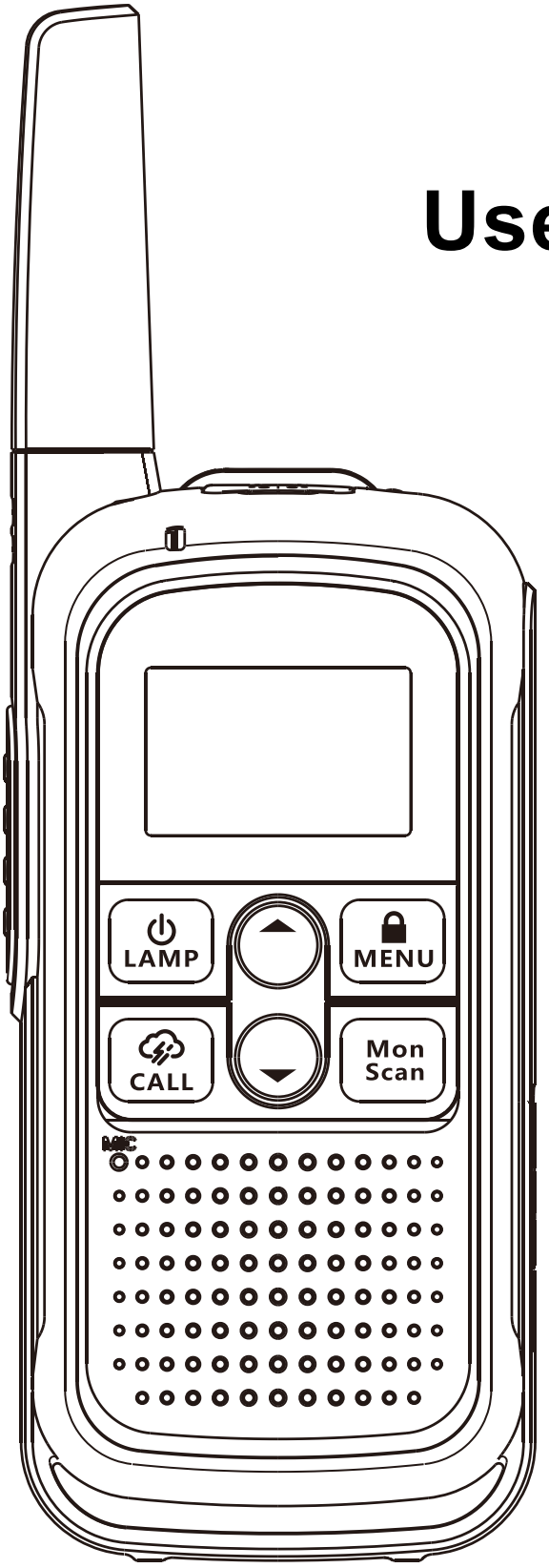
User Manual



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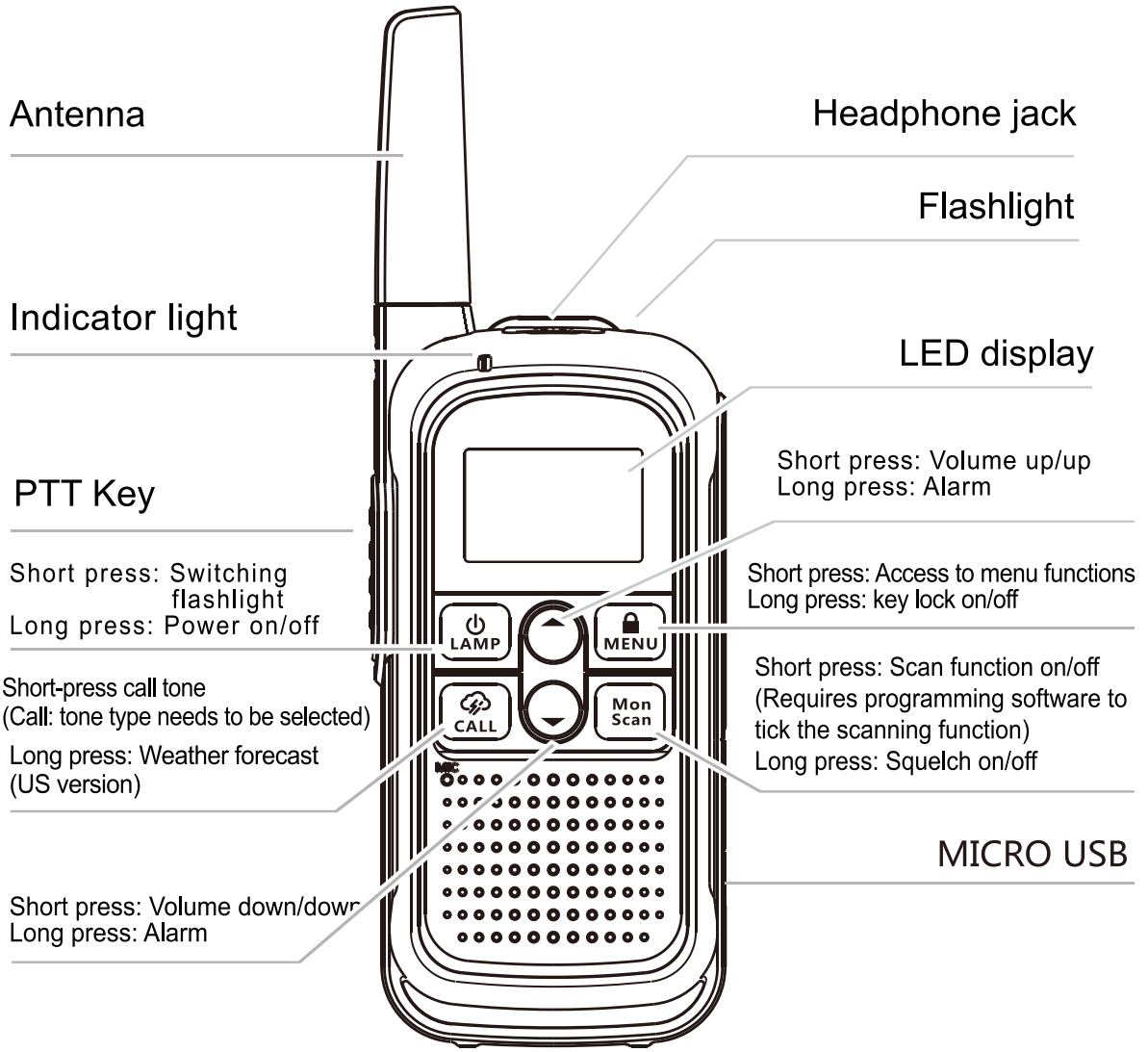
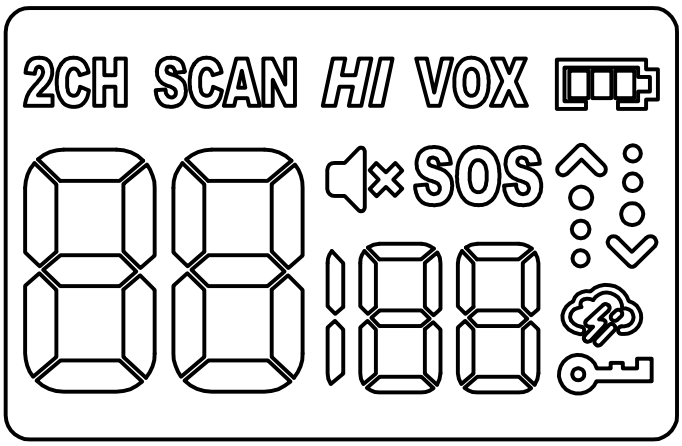
Features

- LCD backlight display
- 22 channels
- 121 codes (38 analog, 83 digital)
- Busy channel lock out
- Earpieces jack
- 10 optional calling tones
- Built-in voice control function (VOX)
- High and low power
- Call ending tone
- Companding function
- Battery display
- Scan function
- Keypad lock
- Voice call
- Power saving function
- Low battery reminder
- Touch-tone switch
- TOT (time-out timer)
- NOAA Weather forecast (please refer to the weather frequency table), only avaiable in US and the Canada
- Weather forecast alert ,only avaiable in US and the Canada

Buttons and functions



LCD display



— Weather forcast

— Battery power

VOX — Vox

SCAN — Scan

HI — High power

— Lock

— Volume mute

— Status(tx/rx)

Install Battery Pack

1) Battery: lithium battery
2) Press the battery cover upwards and remove the battery cover.
3) Put the battery into the battery slot, pay attention to install the battery in strict accordance with the positive + negative- instructions in the slot, and press the battery down firmly.Ensure reliable contact.
4) Install the battery cover again.

Battery display and low battery warning

The battery icon shows the battery level, from full【 】 to empty (Zero battery). The Zero battery reminds the user to charge in time, and it is accompanied by a low battery reminder (once every 30 seconds). When the battery power is low, the walkie-talkie will shut down.
Note: When you leave the radio for a long time, please remove the battery first. Corrosion of the battery for a long time will cause damage to the device.

Charge

1) Make sure the walkie-talkie is turned off.
2) Insert the charging plug of the TYPE-C USB into the walkie-talkie socket with the rechargeable battery, and insert the other end of the charger into the wall socket.
3) During the charging process, the battery symbol is displayed on the mobile indicating the charging state. The battery charging icon stops when the battery is fully charged
It is recommended to charge it when turn of the radio, because if you try to perform the walkie-talkie operation during charging, some abnormal phenomena may occur when the battery is almost empty.

Turn on/off

Press 【 ⏻ 】 and hold the button to turn the radio on or off. When the radio is turned on, the speaker will beep and display all icons in full screen.
After that,It will show the walkie-talkie mode, display the currently used channel and CTCSS、DCS, etc.

Volume setting

1) In standby or receiving state, press ▲ or ▼ key, the LCD of the transceiver will display the current volume.
2) Then press the ▲ or ▼ key to increase/ decrease the volume of the radio. 0,1-9 level volume can be adjusted.
3) When the key is pressed to reduce the volume to level 0, the mute icon 【 】 will be displayed on the LCD , and the speaker will be turned off.
Note: When the volume is not adjusted to a suitable state, do not put the speaker of the walkie-talkie too close to the ear to avoid the sound being too loud and hurting the ear.

Transmit and receive

1) Press and hold the【PTT】key, keep a distance of 3 to 5cm from the microphone, and speak at a normal speed.When the icon 【 】 is displayed, it means that a message is being sent. In order to avoid cutting off your call content, please press the【PTT】key for a short pause, and then start talking.
2) When you end the call, please release the【PTT】key. You can receive the signal, when receiving, display the icon【 】.

TOT function

When you keep pressing the【PTT】key to talk for more than 15-600 seconds, the walkie-talkie will send out a continuous warning tone, and the walkie-talkie will automatically stop transmitting.

Set the channel

1) In the standby state , press the【MENU】key once, the current channel value will flash.
2) Press the ▲ or ▼ key to select the desired channel number.
3) Press the【PTT】key to save the current setting and exit the【MENU】or press the MENU key to jump to the next menu setting.
4) Only when the two-way radios are on the same frequency range can they communicate with each other, clear sound without noice.

CTCSS/DCS selection

The allocation of sodes can reduce the mutual interference between the radios,however, they can not communicate with different codes. Each channel has 0 to 121 sub-tone codes, so that your communication is more confidential. The CTCSS(analog codes) 1-38 is available for selection, and the DCS(digital codes) 39-121 is available for selection. Code 0 is the sub-tone code off state.
1) In the standby state, press the【MENU】key twice, the current sub-audio code setting will flash.
2) Press the ▲ or ▼ key to select the sub-tone code you want to set. Press and hold the ▲ or ▼ key to quickly switch the sub-tone code.

3) Press the【PTT】key to save the current setting and exit the menu or press the【MENU】key to jump to the next menu setting.

Set the calling tone

1) In the standby state, press the【MENU】key 3 times, the current call tone setting interface will flash "CA".
2) Press the ▲ or ▼ key to select the calling tone you want to set, and the speaker will emit the corresponding calling tone.
3) Press the 【PTT】key to save the current setting and exit the menu or press the【MENU】key to jump to the next menu setting.
Note: When the call tone menu setting is selected as 0, the call function will be invalid when you press and hold the【CALL】key.

VOX function

When turn on the【VOX】, you can use them to talk without pressing the 【PTT】key, and speaking directly into the microphone will transmit.
1) In the standby state , press the【MENU】button 4 times, 【VOX】will appear on the screen, and the【VOX】level can be set.
2) Press ▲ or ▼ key to select sensitivity level 0-9:
9 = High sensitivity level
5 = Medium sensitivity level
1 = low sensitivity level
0 = OFF
3) Press the【PTT】key to save the current setting and exit the menu, or press the【MENU】button to jump to the next menu setting.
Select sensitivity 0, turn off the【VOX】function, and the【VOX】icon disappears.
4) by facing the microphone, it can be transmit. There is a brief delay between the start of speaking and the radio transmission.
5) Stop talking, you can transfer to the receiving mode.

Set high/low power

In standby mode, press【MENU】key five times, "Pr" will be displayed on the screen.
Press the【< 】or 【> 】key to select power LO or HI. (LO: low power / HI: high power)
Press the【PTT】key to save the current setting and exit the menu ,or press the MENU button to jump to the next menu setting.

Scan

In the standby state, press the【MENU】key six times, and "SC" will be displayed on the screen.
Press the ▲ or ▼ key to select on and off
Press the【PTT】key to save the current setting and exit the menu ,or press the 【MENU】button to jump to the next menu setting. Activate the scan function to scan for channels with valid signals, you can easily scan 22 channels

Note: When the scan menu setting is selected as【OF】, the scan function will be disabled when the【SCAN】key is pressed.
Start scanning:
1) Press the【SCAN】button in the standby mode, the channel number will be displayed in an upward increment, and the【SCAN】icon will be displayed on the LCD.
2) When an active channel is detected, the walkie-talkie will automatically suspend receiving signals on this channel until the signal disappears.
After the signal disappears and wait 5 seconds, the walkie-talkie will continue to scan.
3) Press the【PTT】key during scanning, it will stop transmitting on the channel that started scanning. When a valid signal is detected and stopped to receive, press the【PTT】key, and the walkie-talkie will transmit on the current channel. After waiting for 5 seconds after pressing the【PTT】key, the walkie-talkie will continue to scan.
4) Press the【SCAN】key again to exit the scan and return to the standby mode.

Beep sound of end of launch

1) In the standby mode, press the【MENU】button【7】times, and "rb" will be displayed on the screen.
2) Press ▲ or ▼ key to select on and off.
3) Press the【PTT】key to save the current setting and exit the menu to start or press the【MENU】key to exit the menu.
4) After the function is turned on, there will be a prompt tone after the transmits.

Button control

1) “ LAMP ”Key: long press this key to turn on or off the walkie-talkie; short press this key to turn the flashlight on or off.

2) “ CALL ” Key: long press this key to switch between walkie-talkie and weather forecast mode; short press this key to transmit call tone.

3) “ Mon Scan ” Button: long press this button to make noise from the walkie-talkie; short press this button to start scanning.

4) “ MENU ” Key: long press this key to operate the lock key or unlock function; short press this key to enter or exit the menu.

5) [▲] key: long press this key to activate the alarm function; short press up.

6) [▼] key: long press this key to activate the alarm function; short press down.

7)【PTT】key can be set: transmit or save settings (in menu mode) .

Keyboard Lock function

The keyboard lock function is to prevent users from misoperation when they do not want to change the settings .

1) Press and hold the key “ MENU ” until the icon “ ” appears to enter the keyboard lock mode.

2) Press and hold the key “ MENU ” until the icon “ ” disappears to exit the keyboard lock mode.

Note: When the keyboard is locked, except for pressing the【PTT】and “ LAMP ” keys, a key failure sound will be emitted when any key is pressed.

Power saving function

It has unique features to extend battery life. If there is no call or voice received within 10 seconds, the walkie-talkie will automatically enter power saving mode. The radio can still receive information in this mode.

Weather forcast reception

This function is available in the US and Canada.
You can listen to the Weather Channel (see the Weather Channels and Frequency table for details). You cannot use the radio in scan mode or two-way when you are listening to the Weather Channel.
NOAA and Environment department in Canada have transmitters throughout the United States and Canada. These transmitters broadcast, forecast and other information
24 hours a day.
Enter weather mode
In two-way mode, press and hold the button “ CALL ” for a second to enter weather mode.
Set the weather channel
Your radio can receive weather frequencies:
1. In weather mode, press the【MENU】button until the weather channel number flashes.
2. Press the ▲ or ▼ button to select a suitable channel with good reception in your area.
3. Long press the button “ CALL ” to exit the menu.
Set up weather alerts
Your radio can be set up to respond to NOAA Weather Radio emergency messages. A special alarm tone will sound the alarm and turn on the weather receiver to provide you with instant weather and emergency information.
1. In weather mode, press the【MENU】button twice until the icon “ ” is displayed.
2. Press the ▲ or ▼ button to select On/Off.
3. Press the【MENU】button to exit the weather menu setting.
4. Press and hold the button “ CALL ” for a second to return to two-way mode, if you activate the weather alarm and return to two-way mode, the icon will appear.

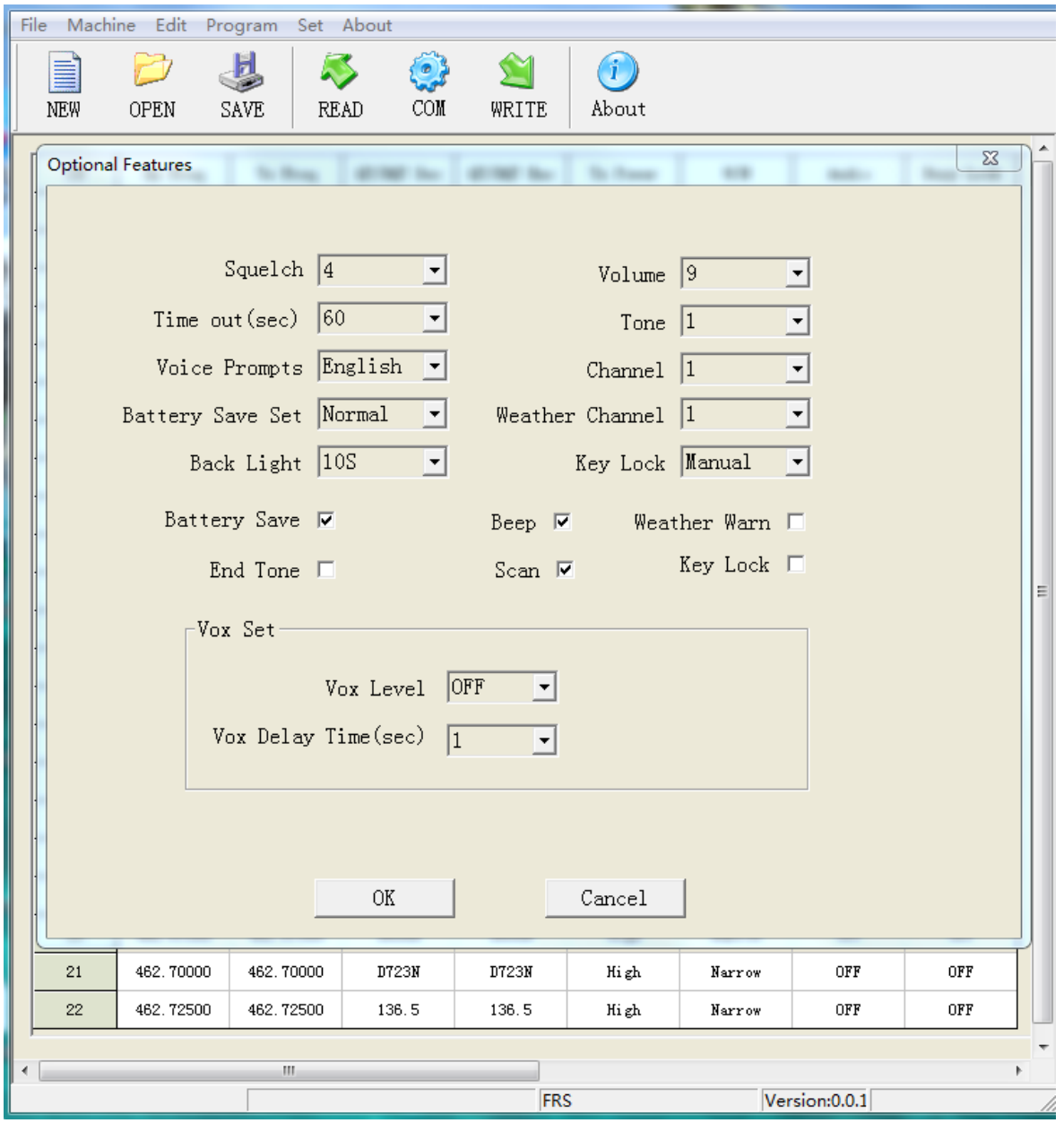
Note: After turn on the weather channel, when an alert is received, press and hold the button “ CALL ” for a second, the weather mode will automatically revert to two-way mode.

Headphone function

1) Connect the headset accessory to the two-way radio(two-way radio A&B).
2) Press the 【PTT】 key of the headset accessory of the two-way radio【A】, send voice to the MIC of the headset, and the two-way radio B should be able to receive it normally. Repeat the same operation on radio【B】

Programming frequency

Functions can be quickly changed and extended by programming software.



FRS Frequency table

channel and frequency

Channel	Frequency	Max Power Output	Channel	Frequency	Max Power Output
1	462.5625MHz	2 W	12	467.6625MHz	0.5 W
2	462.5875MHz	2 W	13	467.6875MHz	0.5 W
3	462.6125MHz	2 W	14	467.7125MHz	0.5 W
4	462.6375MHz	2 W	15	462.5500 MHz	2 W
5	462.6625MHz	2 W	16	462.5750 MHz	2 W
6	462.6875MHz	2 W	17	462.6000 MHz	2 W
7	462.7125MHz	2 W	18	462.6250 MHz	2 W
8	467.5625MHz	0.5 W	19	462.6500 MHz	2 W
9	467.5875MHz	0.5 W	20	462.6750 MHz	2 W
10	467.6125MHz	0.5 W	21	462.7000 MHz	2 W
11	467.6375MHz	0.5 W	22	462.7250 MHz	2 W

Weather Channels and Frequencies

Channel	Frequency	Channel	Frequency
WX1	162.550MHz	WX7	162.525MHz
WX2	162.400MHz	WX8	161.650MHz
WX3	162.475MHz	WX9	161.775MHz
WX4	162.425MHz	WX10	161.750MHz
WX5	162.450MHz	WX11	162.000MHz
WX6	162.500MHz		

Specification Table

GENERAL	
Frequency Rang	462.5500~467.7125MHz
Channel capacity	22 CH
Working Voltage	3.7 V
Antenna impedance	50Ω
Step frequency	12.5KHz
TRANSMITTER	
Output power	2 W / 0.5 W
Adjacent channel power	≥60dB
TX current	≤1.35A
Spurious radiation	≤7.5μW
Modulation limited	≤2.5kH
RECEIVER	
RF sensitivity	≤0.25uV
Opening sensitivity	≤0.20uV
Audio output	≥300mW
Receive current	≤410 mA
Waiting current	≤20mA

PMR446 Specification Table

GENERAL	
Frequency Rang	446.00625~446.19375MHz
Channel capacity	16 CH
Working Voltage	3.7 V
Antenna impedance	50Ω
Step frequency	12.5KHz
TRANSMITTER	
Output power	≤0.5 W
Adjacent channel power	≥60dB
TX current	≤1.35A
Spurious radiation	≤7.5μW
Modulation limited	≤2.5kH
RECEIVER	
RF sensitivity	≤0.25uV
Opening sensitivity	≤0.20uV
Audio output	≥300mW
Receive current	≤410 mA
Waiting current	≤20mA

Frequency table(PMR)

Channel	Frequency	Max Power Output	Channel	Frequency	Max Power Output
1	446.00625MHz	0.5 W	9	446.10625MHz	0.5 W
2	446.01875MHz	0.5 W	10	446.11875MHz	0.5 W
3	446.03125MHz	0.5 W	11	446.13125MHz	0.5 W
4	446.04375MHz	0.5 W	12	446.14375MHz	0.5 W
5	446.05625MHz	0.5 W	13	446.15625MHz	0.5 W
6	446.06875MHz	0.5 W	14	446.16875MHz	0.5 W
7	446.08125MHz	0.5 W	15	446.18125MHz	0.5 W
8	446.09375MHz	0.5 W	16	446.19375MHz	0.5 W

Warranty Card

Model Number: _____

Serial Number: _____

Purchasing Date: _____

Dealer: _____ Telephone: _____

User's Name: _____ Telephone: _____

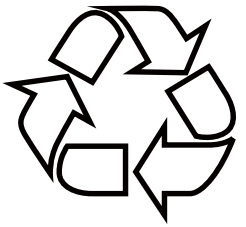
Address: _____ ZIP Code: _____

Warranty instructions:

1. This warranty card shall be kept by the customer as a warranty certificate and will not be made up for loss.
2. This card must be covered by the point of sale and the date of completion before it can take effect.
3. This card may not be modified, please confirm that the warranty card series number is consistent with the purchase radio number, otherwise it is invalid.
4. The warranty period is one year, chargers, batteries, earphones, antennas and feeder are consumables and are not covered by warranty.
5. Users can choose the following channels to obtain maintenance services:

a. Handle it at the original purchase office.

b. Our company is at the local special maintenance point.



CE FC RoHS

说明书要求

尺寸：90*130mm

印刷：黑白印刷

装订：胶合钉

纸张材质：胶合纸

本页无需印刷