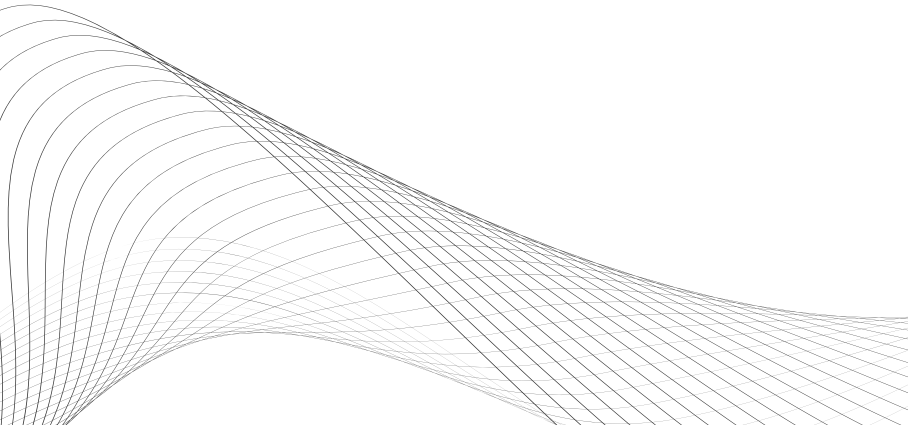




PROF SSIONAL

Walkie Talkie

USERS MANUA



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Warning

Please read this manual carefully before using this radio.

Please do not charge the radio in flammable, explosive and areas which radio communication are prohibited (such as oil station, gas station, airport etc.)

Please do not operate this radio in government laws banned areas

Please make sure this radio avoids the sunshine, and avoids placing it near any heating device.

If radio has a smell or smokes, please remove the battery pack from radio immediately, then contact your nearest distributor.

The repair job of this radio is in the charge of professionals & technical's, self-disassembly is prohibited.

Notes of charging:

Please use the matching charging base or Type-C charging cable to charge.

Please make sure the radio is turned off when charging.

In order to get the best battery performance, please charge for at least 5 hours for the first time.

Please do not charge the battery for a long time, otherwise the service life of the battery will be shortened. When the battery is fully charged, please stop charging in time.

The charger is only charged for this radio battery, please do not charge other battery, otherwise it will cause damage to the charger and battery.

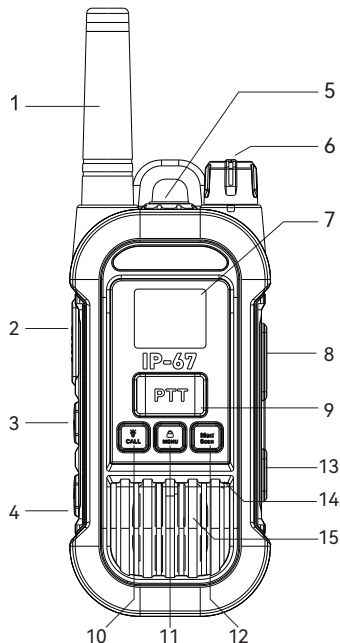
After the battery is fully charged, please place it in a cool, dry place. Please do not get close to fire or expose to sunlight, otherwise there will be a safety hazard.

During the radio charging, it is not recommended to transmit.

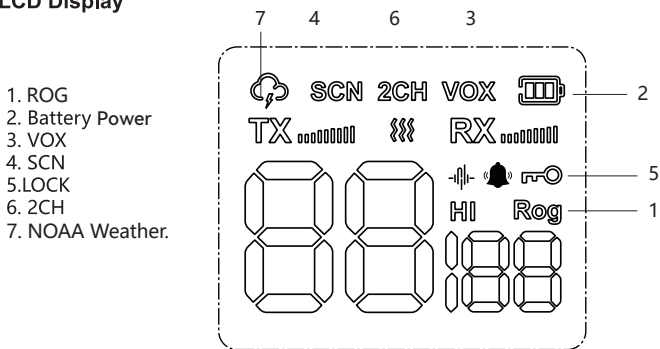
During the radio charging, the battery will be slightly hot, which is normal.

Radio introduction

1. Antenna
2. PTT
3. Up
4. Down
5. Flashlight
6. Volume/Power Switch
- 7 .LED display
8. Earpiece Jack
9. PTT
10. Call tone for short press
(need to select the type of call tone)
Long press the lamp
11. Short press to enter the menu function
Long press to open the key lock (US version)
12. Short press to switch scan function
Long press to switch monitor
13. Type-c
14. Mic
15. SPK



LCD Display



Function operation

1. Turn on/off

1.1 Turn the power switch clockwise to turn on the radio, the radio will sound a power-on prompt and all icons will be displayed in full screen when the radio is turned on. After the radio is turned on, the default mode of the radio is in direct call mode, displaying the currently used channel and CTC/DCS, etc.

1.2 When turning off the radio, turn the power switch counterclockwise until a click sounds.

2. Volume adjustment

In standby or receiving state, turn clockwise to increase the volume, counterclockwise to decrease the volume,

Note:

When the volume is not adjusted to a suitable state, please do not put the radio speaker too close to the ear to avoid the sound being too loud and hurting the hearing.

3. Transmit/Receive

3.1 In standby mode, press and hold the transmit button (PTT) to speak. When the transmit icon is displayed, it means that the call is being sent. To avoid cutting off your call content, please press the [PTT] key for a short pause, and then start speaking.

3.2 Release the transmit button [PTT] can receive the signal sent from the same channel, the speaker emits the call sound, and when receiving, the receive icon will be displayed.

Note:

1) When the radio is transmitting, please keep the radio in a vertical position and keep the microphone 3-5cm away from the mouth. When transmitting, please keep the radio at least 3 cm from the head or body.

2) During use, there is no need to perform multiple power-on and power-off actions, and at the same time adjust the volume to a volume suitable for your hearing.

3) Before calling on radio, please set the frequency of the transmitter and receiver to the same.

4) Please set the CTC/DCS of the transmitter and receiver for the channel you want to talk to to be the same.

4. Set the channel

4.1 In the standby state of direct call mode, press the [MENU] key once, the current channel will flash.

4.2 Press [▲] or [▼] key to select the channel you want to set.

4.3 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.

4.4 The radios can only communicate when they are set to the same channel, and the sound is clear, no noise.

5. CTC/DCS selection

This product supports a total of 121 groups of CTC/DCS, 38 groups of analog sub-tone codes and 83 groups (N-phase and I-phase) digital sub-tone codes.

5.1 In the standby state of direct call mode, press the [MENU] key twice, the current CTC/DCS setting will flash.

5.2 Press [▲] or [▼] key to select the CTC/DCS you want to set. Press and hold the [▲] or [▼] key to quickly switch the CTC/DCS.

5.3 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.

6. TOT function

When you press and hold the [PTT] key continuously to talk for more than 15-600 seconds, the radio will emit a continuous warning tone, the radio will stop transmitting automatically.

7. Set Call Tone

7.1 In the standby state of direct call mode, press the [MENU] key 3 times, the setting screen of the current call tone will flash "CA".

7.2 Press [▲] or [▼] key to select the call tone you want to set, and the radio speaker will emit the corresponding call tone at the same time.

7.3 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 press the [CALL] key.

8. Roger Beep

This product supports the Roger Beep function, which can send a sound to remind the receiver that the transmission has ended.

In the power-off state, hold down the CAL button while turning on the device to enable or disable the ROGER tone.

9. Button Function

9.1 Long press the CALL button to turn the flashlight on or off. short press this key to transmit call tone

9.2 [SCAN] key: long press this key to start listening; short press this key to start scanning

9.3 [MENU] key: long press this key to operate the lock or unlock function; short press this key to enter or exit the menu

9.4 [▲]key: short press up

9.5 [▼]key: short press down

9.6 [PTT] key : transmit or save settings (in menu mode)

10. key lock function

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

10.1 Press and hold the [MENU] key until the lock icon appears to enter the keyboard lock state.

10.2 Press and hold the [MENU] key until the lock icon disappears to exit the keyboard lock state.

Note: When the keyboard is locked, a key failure tone will be emitted when any key is pressed except for the [PTT] key.

11. channel scan

11.1 The scanning function of the radio to scans the channels with valid signals, you can easily scan all channels

11.2 Press the [SCAN] key in standby mode of direct call mode to enter the scan mode, the channel number will be displayed in an upward increment, and the [SCAN] icon will be displayed on the LCD.

11.3 When an active channel is detected, the radio automatically pauses to receive signals on this channel until the signal disappears. After the signal disappears for 5 seconds, the radio will continue to scan.

11.4 During the scanning process, press the [PTT] key, the radio will stop on the channel that entered the scan and transmit. If a valid signal is detected, the scan will stop and receive the signal, press the [PTT] key and the radio will transmit on the current channel scanned. After releasing the [PTT] key for 5 seconds, the radio will continue to scan

11.5 Press the [SCAN] key again to exit scan and return to the radio standby mode.

12. VOX function

When the VOX function is turned on, you do not need to press the [PTT] key to be able to talk, speaking directly into the microphone, calls will automatically transmit.

12.1 In the standby state of direct call mode, press the [MENU] key 4 times, VOX will be displayed on the screen and the VOX level can be set.

12.2 Press[▲]or[▼]key to select sensitivity level 1-3

3 = High sensitivity level

2 = Medium sensitivity level

1 = low sensitivity level

0 = OFF

12.3 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.

Select sensitivity 0, turn off the VOX function, and the VOX icon will disappear.

12.4 Talk directly into the microphone and the call will be transmitted automatically. There is a brief delay between the start of speaking and the radio transmission.

12.5 Stop speaking, the radio can enter the receiving state.

13. Battery power display and low battery warning

The battery icon shows the power level, from full to empty (0). When the power level is 0, the user is prompted to charge in time, accompanied by a low battery reminder (once every 20 seconds). When the battery power is low, the radio will be turned off.

Note: When the radio is not used for a long time, you need to charge the radio from time to time.

14. Caller Vibration

The first incoming call in standby mode will vibrate to indicate

15. Power saving function

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

16. Flashlight function

Long Press the CAL button to quickly turn the flashlight function on or off.

Lighting modes: Steady on → Fast flash → Slow flash → Off.

17. Dual watch function.

Dual watch allows you to receive another channel while monitoring the current channel

17.1. In standby mode, press the [MENU] button five times. The screen will display "CH"

17.2. Use the Up and Down

keys to turn the function OFF or ON and to select the channel (1–22).

18. Headset function

18.1 Connect the headset accessories to the radio (radio A&B).

18.2 Press the [PTT] button on the headset of the radio A, sending a call to the MIC of the headset, and the radio B should be able to receive it normally. Repeat the same operation on radio B.

19. Enter NOAA Weather Mode

In direct call mode, press and hold the [▲] button for 1 second to enter the NOAA weather mode.

Set the NOAA weather channel

Your radio receives NOAA weather frequencies:

19.1 In NOAA weather mode, press the [MENU] button until the NOAA weather channel number flashes.

19.2 Press the [▲] or [▼] button to exit the menu.

19.3 Long press the [▲] button to exit the menu.

20. Set NOAA Weather Alerts

Your radio can be set to respond to NOAA weather broadcast emergencies. A special alarm tone will sound the alarm and turn on the weather receiver to provide you with instant weather and emergency information.

20.1 In NOAA weather mode, press the MENU button twice, the weather forecast icon will be displayed

20.2 Press [▲] or [▼] button to select ON/OFF.

20.3 Press the [MENU] button to exit the weather setting.

20.4 Press and hold the [▲] button for 1 second to return to the direct call mode, if you turn on the NOAA weather alert and return to the direct call mode, the weather forecast icon will be displayed.

note: after entering the NOAA weather channel, if you receive an alarm, press and hold the [▲] button for 1 second, the NOAA weather mode will automatically return to channel mode.

Technical Specifications

General	Frequency Range	FRS
	Channel Capacity	22
	Channel step value	12.5KHz
	Operation Voltage	3.7V
	Battery Capacity	2000mAh(Li-Ion)
	Operating Temperature	−20℃+60℃
	Antenna Impedance	50Ω

Transmitter	Output Power	462.5500-462.7250MHz:32.14dBm 467.5625-467.7125MHz:26.11dBm
	Frequency Stability	±2.5ppm
	Adjacent Channel Power	60dBm@12.5KHz
	FM Modulation	12.5KHz@11K0F3E
Receiver	Transmission current	≤1500mA
	Analog receive sensitivity	0.25uV/-119dBm(20dB SINDA)
	Audio Power	≥300mW
	Rated Audio Distortion	≤3%
	Receive current	≤410mA

Defult Frequency

[FRS]22CH

CH NO.	Frequency(MHz)	CH NO.	Frequency(MHz)
1	462.5625	12	467.6625
2	462.5875	13	467.6875
3	462.6125	14	467.7125
4	462.6375	15	462.5500
5	462.6625	16	462.5750
6	462.6875	17	462.6000
7	462.7125	18	462.6250
8	467.5625	19	462.6500
9	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250

NOAA Weather channel and frequency

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		

FCC COMPLIANCE

⚠ 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.

NOTE: *The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.*

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.

SAR NOTICE:

This device meets the FCC and ICSED radiation exposure requirements set forth for an uncontrolled environment. The requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue.

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC & IC COMPLIANCE

SAR tests are conducted using standard operating positions accepted by the FCC/ISED with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new model is available for sale to the public, it must be tested and certified to the FCC/ISED that it does not exceed the exposure limit established by the FCC/ISED Tests for each product are performed in positions and locations as required by the FCC/ISED.

For body worn operation, this device has been tested and meets the FCC/ISED RF exposure guidelines when used with for this product or when used with and accessory that contains no metal.

To maintain compliance with the FCC/ISED's RF exposure guidelines, hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face. This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. In order to comply with the FCC/ISED RF exposure requirements, the antenna installation must comply with the following:

Users must be fully aware of the hazards of the exposure and able to exercise control over their RF exposure to qualify for the higher exposure limits.

Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radiot Push-to-Talk (PTT) Button is pressed.

The device is authorized to operate at a duty factor not to exceed 75%.

Les tests SAR sont effectués à laide d'une position de fonctionnement standard acceptée par la FCC, où l'équipement transmet à son niveau de puissance certifié le plus élevé dans toutes les bandes de fréquences testées, et bien que le SAR soit déterminé au niveau de puissance certifié le plus élevé, le niveau de SAR réel de l'équipement en fonctionnement peut être bien inférieur au maximum. Les véhicules neufs doivent être testés et certifiés à la FCC avant d'être vendus au public et ne doivent pas dépasser les limites d'exposition fixées par la FCC. Les tests de chaque produit sont effectués aux endroits indiqués et aux endroits requis par la FCC.

Pour une utilisation sur le corps, l'appareil est testé et conforme aux directives d'exposition aux RF de la FCC lorsqu'il est utilisé avec les accessoires spécifiques pour ce produit ou avec des accessoires sans métal.

Pour rester en conformité avec les directives d'exposition aux RF de la FCC, maintenez l'émetteur et l'antenne à au moins 1 pouce (2,5 cm) du visage et parlez d'une voix normale, l'antenne étant dirigée vers le haut et éloignée du visage.

L'appareil est conforme aux limites d'exposition aux rayonnements spécifiées par la FCC pour les environnements non contrôlés.

Pour être conforme aux exigences d'exposition aux RF de la FCC, l'installation de l'antenne doit répondre aux exigences suivantes:

Les utilisateurs doivent être pleinement conscients des dangers de l'exposition et être en mesure de contrôler leur exposition aux RF afin de se conformer aux limites d'exposition plus élevées. Votre émetteur - récepteur portable sans fil contient un émetteur de faible puissance. Ce produit émet un signal de radiofréquence (RF). Lorsque vous appuyez sur le bouton Push to talk (PTT), les émissions ne doivent pas dépasser les limites d'exposition fixées par la FCC. Les tests de chaque produit sont effectués aux endroits indiqués. L'installation est autorisée à fonctionner avec un facteur d'occupation ne dépassant pas 75%.