Professional Waterproof Radio

Function & Knobs

Antenna

Emergency Alert button

LED indicator
The LED lights
Red on transmitting,
Green on Receiving

Speaker

Channel Selector
Rotate it to select channel 1-16

Power Switch/Volume Adjust
Turn clockwise to switch ON the radio.
To switch OFF it,
turn counterclockwise until a click
sounds. Rotate to adjust the volume level.

Microphone
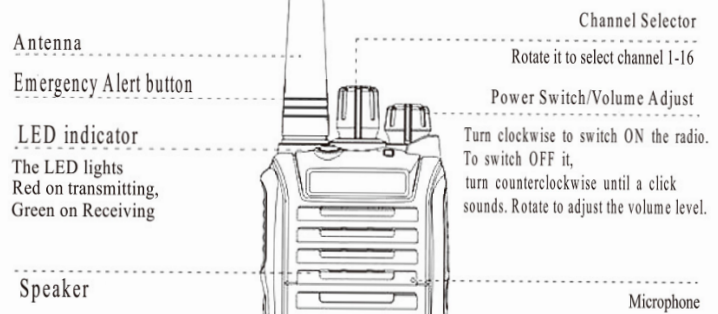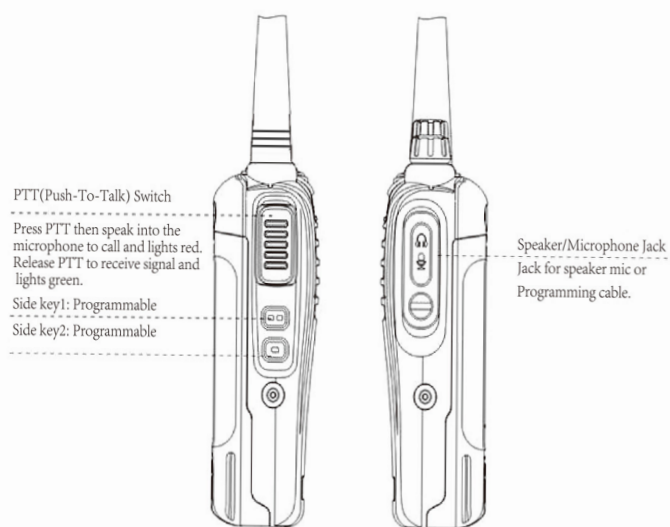
WP67
USER S MANUAL
Amateur Radio

⚠ 📖 This manual contains important warnings and instructions, please read them carefully and keep them for reference

PTT(Push-To-Talk) Switch

Press PTT then speak into the microphone to call and lights red.
Release PTT to receive signal and lights green.
Side key1: Programmable
Side key2: Programmable

Speaker/Microphone Jack
Jack for speaker mic or Programming cable.

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PTT(Push-To-Talk) Switch

The radio side keyl& side key2 (short press/long press) can be progam to these function

CLOSED,MONITOR, HIGH/LOWPOWER,VOX ON/OFF

Preparation

Lithium-ion battery charging instructions (applicable to models with lithium-ion batteries)

1.Plug the power adapter into the AC power outlet and the charger indicator will turn green.

2.Insert the lithium-ion battery pack or the walkie-talkie equipped with the lithium-ion battery pack into the charger, confirm that the battery pack is in good con-tact with the charging terminal, and the indicator light turns red during charging.

3.When the battery is charged to 90%, the indicator light turns orange.

4.When the battery is fully charged, the indicator light of the charging stand turns green.

After charging the battery pack for 9 hours,

remove it from the charger.

⚠ Warning

If the batter pack is fully charged, do not recharge it again, otherwise the life of the battery pack will be shortened or damaged.

After charging the battery pack, remove it from the battery charger. Char-ging the battery packfor more than 5 days will shorten the life ofthe bat-tery pack due to overcharging.

⚠ Note:

- The ambient temperature during charging is between 5 and 40 degrees Celsius. Outside this range, the battery pack cannot be fully charged during charging.
- Please turn off the power of the walkie-talkie equipped with the lithiumion battery pack before charging. Using the walkie-talkie while charging will prevent the battery pack from charging correctly.
- If the use time does not increase even after the correct charging, the life of the battery pack has expired, please replace the battery pack with a new one.

FUNCTION

☐ Monitor
Press it and turn the volume knob to test the speaker volume

☐ High/Low Power
Press the defined High/Low power function, the radio output power will be switch between high power and low power

☐ VoX ON/OFF
Press the defined VOX ON/OFF function to active and close VOX function

☐ Busy Channel Lockout
This function can prevent other two way radio from disturbance. This function can be programmed by PC software to ON or OFF. If this function enable, the radio transmitter function was disabled and there is "du"beep when press PTT, in this case it will not disturb other communicate in this channel. If this function disable, it will be talking in normally.

☐ WIDE/NARROW BAND
It allows you to select wide band (25khz) or narrow band (12.5khz) by PC software

☐ Battery Save
The function decreases the power used when a signal is not being received and no operations are being performed (no keys are being pressed, and no switches are being turned) While the channel is not busy and no ope-ration is performed for 10s, battery save turns ON. When a signal is received or an operation is perf-ormed, battery save turns OFF.

☐ SCAN
The radio can scan channel, it will scan the activate channels to talk. There is Carrier scan or Time scan which can program by PC software.
Carrier Scan: the radio will scan and stop at the activated channel until the signal disappeared
Time Scan: the radio will scan and stop at this channel for 5 seconds then continue to scan next activated channels
This transceiver allows you to scan memory channels, all the bands or part of the bands. When the transceiver detects a communication, the scan will stop automatically.

☐ Lower Power Alert
If the radio battery power is low, the radio will sound the low power annunciation or sounds the "du."(programmed by PC)

☐ Voice Compand
This function is use to avoid from the interference, you can use it when there is too much Disturbed environment You can program it on/off by PC software

☐ VOX SENSITIVITY
You can speak to radio to activate transmitting without press PTT button Vox sensitivity is the sensitivity level refer to your voice.
PC programming is available to program the sensitivity level. There is 0-9 levels option, level 1 is less sensitivity than level 9.

☐ SQUELCH LEVEL
It means the signal strength to open receiver, 0-9 levels can be programmed by PC software. Level 9 signal strength is strong than level 1, it will always open squelch if set to level 0

☐ VOICE GUIDE
There is voice guide when power ON or select channels, you can use PC software to program it as OFF, Chinese, English

☐ TIME OUT TIMER
. This function is to prevent any person from using the channel for an extended period of time.
If you continuously transmit for 300 seconds, the radio will stop transmitting and a tone will sound.
-To stop the tone, release PTT and press PTT again to resume transmitting
-There is OFF 30s 60s 90s 300s can be programmed by PC software

☐ CTCSS/DCS
Some channels may have pre-programmed CTCSS/DCS, it is a sub tone which allow you to ignore calls from others who are using the same channel. When you receive a signal that have a tone different from the one set up in your radio, you will not hear the signal. Likewise, signals that you transmit will only be heard by those whose CTCSS/DCS matches the tone set up in your radio.

☐ ANI Code
The radio use DTMF sending ANI code, it provides four sending mode which set by PC software.
1) Closed: whatever press PTTor release PTT, it will not send DTMF code
2) PRE-ONLY: Press PTT and sending the DTMF code at the same time
3) POST-ONLY, it sending DTMF code when release PTT button
4) BOTH: it sending DTMF code when Press or release PTT button

☐ Programming password
The radio have the function to set password for reading and write frequency
This will prevent unauthorized person to program the radio.

MACHINE PART

Frequency Range	Scanning:400-480MHz TX:420-450MHz RX:400-480MHz
Rated Voltage	DC 7.4V
Channel Spacing:	12.5kHz, 25kHz
RF Output power	H:5W L:2W

Note: Public can` not use this Amateur device.

FCC Statement:

Any 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, incuding interference that may cause undesired operation.

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

To maintain compliance with FCC 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.

The equipment complies with FCC radiation exposure limits set forth for and Occupational/Controlled environment. In order to comply with the FCC RF exposure requirement, the antenna installation must comply with 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 radio frequency (RF) signals when the Push-to-Talk(PTT) button is pressed. The device is authorized to operate at a duty factor not to exceed 50%.

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 canradiate 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.

When worn on the body, always place the radio in an approved holder, holster, case, or body harness or by use of the correct clip for this product. Use of non-approved accessories may result in exposure levels which exceed the FCC's occupational/controlled environmental RF exposure limits.
Use of non-approved antennas, batteries, and accessories causes the radio to exceed the FCC RF exposure guidelines.