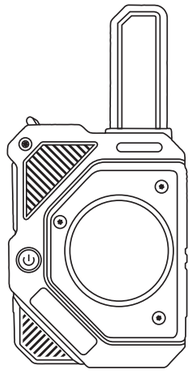
Nanan City Jin Wei Electronics Co.,Ltd.

3/F, Building 1, Unit 2, Optoelectronics-information, Industry Base, Nan'an, Quanzhou, Fujian, China

Two Way Radio

GT168



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User's manual

A note to clients

Thanks!

Welcome to buy the Two Way Radio, which we believe will bring great convenience to your life and work.

We hope that the quality and function of this machine will satisfy you.

It will bring you convenient, fast and reliable two–way voice communication.

Instructions before use

◆The maintenance right may be carried out by professional technical personnel.

◆Do not use the intercom or charge the battery in the explosive environment (gas, dust, steam etc.).

◆Please turn off the walkie–talkie when you are on gas or stop at the gas station.

◆It is not possible to modify or adjust the unit for any reason.

◆Do not allow the intercom to be exposed to long hours of direct sunlight, and do not place it in the attachment of the heater.

◆Don't place the walkie–talkie in extreme dust, moisture or water, and don't put it on an uneven surface.

Security: it is important that users understand and understand the general dangers of using walkie–talkies.

warning

◆Explosive environment (gas, dust, smoke, etc.)

◆Please turn off the walkie–talkie power supply when you are on the gas or stop at refueling.

Open case and installation inspection

Please carefully remove the walkie–talkie from the packing box.We recommend that you confirm the items listed in the box before you discard the packaging materials.If any item is lost or damaged in transit, please submit the claim to the deliveryman immediately.

NOAA Weather forecast

This device features NOAA weather forecasts and alerts, with access to 12 NOAA weather channels, enabling it to receive weather information and alerts issued by NOAA.

Operation method:

Using computer programming software, set the side button's to be customized for "Weather," then press and hold the button to enter weather mode. In this mode, you can switch between 12 weather channels using the up and down buttons.

In NOAA weather mode, by using computer programming software to set the frequency and enabling the "Weather Alert" option, the walkie–talkie will wait to receive weather alerts on the selected NOAA weather channel. Upon receiving an alert, it will automatically switch to weather mode.

The preparatory work

●The battery pack is charged

The battery pack is not charged at the factory. Please charge the battery before using.

The first battery charge after purchase or after a long period of storage (more than two months) does not allow the battery pack to reach its usual capacity.After two or three times, the capacity will increase to normal.

warning

◆If the battery pack is fully charged, do not recharge

note

◆battery to charge when the environmental temperature should be between 5 to 40 ℃.

The battery is not fully charged when charged outside the range.

◆Before charging, please turn off the power of the radio in the lithium battery pack.

◆Even if the use of time is not increased after fully accurate charging,The battery life has arrived.Please update the battery pack.

●Install belt clamps

1, fix the strap with a pair of 3x8mm screws.

2, Aim the long slot of the belt clip on the battery mounted rail and slide down the belt until it is tight.

●Install speaker/microphone jack

If you do not use speakers/microphones, please close the speaker/microphone jack.

Note

To be able to use a walkie–talkie, you must cover the speaker/mic jack with the cover lid.

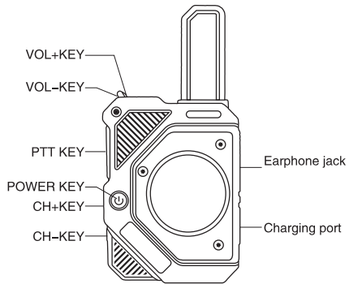
●Install another speaker, microphone

1, turn the speaker, microphone into the speaker/microphone jack.

Note

2, When using speakers/microphones, the walkie–talkie can't be completely waterproof.

Basic operation



462.5500-462.7250MHz:32.56dBm
467.5625-467.7125MHz:26.82dBm

●Key Function Description:

PTT: Launch button

VOL+: Short press to increase volume (volume 1 to volume 8, a total of 8 levels)

VOL –: Short press to decrease volume (volume 8–volume 1, a total of 8 levels)

POWER: Power on/off button, long press to trigger

CH+: Short press to add channel, long press to listen

CH –: Short press to reduce channel, long press to broadcast battery level

Normal code breaking entry method: In channel 1, press and hold CH+/PTT/POWER simultaneously while turning off to turn on the device.

Super code breaking entry method: In channel 2, press and hold CH+/PTT/POWER at the same time while turning off to enter the power on mode.

●Switching power supply:

1. Power on: Long press the 【 POWER 】 power button, and you will hear a series of pleasant special effects prompt sounds accompanied by flashing green lights, and then broadcast the corresponding channel.

2. Shutdown: After turning on the walkie talkie, press and hold the 【 POWER 】 power button, and then hear a pleasant special effects prompt sound accompanied by a flashing red light, indicating that the walkie talkie has been powered off.

●Volume adjustment:

Press the VOL+key and the VOL – key to select the volume level you need. When adjusting the volume level, the device will sound a prompt sound. (Note: The volume of this device is divided into 8 levels, and the volume gradually increases from 1 to 8.)

●Channel selection:

Short press the channel CH+key/channel CH – key to select the channel you want to use. If you turn on the voice call function of this device, it will broadcast the corresponding channel using voice.

(Note: Short press once to increase/decrease the channel, the operation button is to cycle up/down the channel number, that is, when operating the UP key: 1–22–>1–22–>...; when operating the DOWN key: 22–1–>22–1–>...).

●Intercom:

Press and hold the [PTT] key to turn on the transmission indicator light and speak in a normal tone. After the call is complete, release the [PTT] key and the device will switch to reception. Please keep a distance of 3 to 8cm between your mouth and the intercom when speaking.

●Low battery warning:

The low battery warning appears as a reminder when the battery needs to be charged or replaced.

If the walkie talkie is used when the battery is low, a Chinese voice prompt "Please Charge" and an English voice prompt "Please Change " will sound every 15 seconds. If the voice reporting function is turned off, it will prompt "beep, beep, beep" three times, and the LED indicator light will flash red, reminding the user to replace the battery pack or charge it.

●Timeout Timer (TOT) (This function can be set on/off through computer software)

The function of a timeout timer is to prevent a person from using a channel for too long.

The timeout timer time can be set through the frequency writing software (can be 15 seconds, 30 seconds to 180 seconds, with a difference of 15 seconds per level). If you continuously transmit until the timeout timer time you set, the walkie talkie will stop transmitting and emit a long warning sound. To stop the warning sound, release the PTT switch. Press the PTT switch again to resume transmission.

Voice control function

This device features voice control functionality. When voice is detected, the walkie–talkie automatically switches to transmission mode. Upon detecting the absence of voice, transmission stops and the device enters standby reception mode.

The specific steps are as follows:

The VOX voice–activated gain and VOX delay time need to be adjusted through computer programming software by writing frequencies.

VOX Voice Control Gain: The higher the level, the lower the required volume for voice control (VOX gain levels can be selected from 1 to 9). OFF indicates voice control is disabled.

VOX Voice Control Delay Time: The higher the value, the longer the time until voice control deactivates (VOX Voice Control Delay Time options: 0.5/1/1.5/2/2.5/3 seconds)

Analog subaudible tone (DCTSS) / Digital subaudible tone (DCS):

This walkie–talkie can be optionally equipped with 50 sets of standard analog sub–audible modules and 108 sets of digital sub–audible tones (configurable via computer programming software).

Certain channels may have preset DCTSS/DCS signal codes. The DCTSS/DCS signal is a subaudible tone that allows you to ignore (not hear) calls from third parties using the same channel.

When you receive a signal that differs from the DCTSS/DCS setting on your walkie–talkie, you will not hear it. Similarly, the signal you transmit can only be received by the other party if their DCTSS/DCS setting matches that of your walkie–talkie.

Note: While using signals with DCTSS/DCS sub–audio tones can help you avoid unwanted calls, it does not mean your calls are confidential.

IMPORTANT NOTICE

WARNINGS: Replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by HIROYASU may cause a violation of the technical regulations of part 95 of the FCC rules, or violation of type acceptance requirements of part 2 of the rules. Your radio is set up to transmit a regulated signal on an assigned frequency. Any adjustment to your radio must be made by qualified technicians.

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.

FCC WARNINGS:

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

SAR tests are conducted using standard operating positions accepted by the FCC 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 a available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each product are performed in positions and locations as required by the FCC.

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

To maintain compliance with the FCC '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.

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 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 thee quipment 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.