封底

尺寸：14x10.5cm

封面

DUAL BAND

AN AMATEUR WALKIE-TALKIE

GD-1S

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AN AMATEUR WALKIE-TALKIE

USER´S MANUAL

NOTICE

The regulations of the people's Republic of China on radio administration stipulates that units and individuals that set up and use radio transmitting equipment within the territory of the people's republic of China must go to the corresponding radio administration institution to apply for the establishment of a station and obtain a radio station license before they can use it.

To the user:

Thank you for choosing our FM vhe/uhe wireless interphone. This walkie talkie has novel design, reasonable and beautiful process structure and stable performance,it is designed to meet the needs of users for walkie talkies with convenient operation and excellent performance.
in order to make you fully understand the performance of this machine,
please read this manual carefully before use.

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Warning to users

- The use of this wireless intercom must comply with local government regulations, improper use will violate the law, and will be subject to sanctions and penalties and may even go to jail.
- The repair and adjustment of this walkie–talkie is only authorized for maintenance staffs contractually authorized.
- To avoid problems caused by electromagnetic interference or electromagnetic compatibility, please turn off your walkie–talkie in places where the "Please turn off your walkie–talkie" sign is posted, such as hospitals and other health care facilities. When flying, please turn off your walkie–talkie when asked to do so by the flight crew.
- In a vehicle with airbags, do not place the walkie–talkie within the area that may be involved in airbag deployment.
- Please turn off the intercom before entering a flammable or explosive environment.
- Please do not continue to transmit for too long, the walkie–talkie may get too hot and hurt, or even damage the walkie–talkie.
- Do not use the walkie–talkie when its antenna has been damaged.it may cause minor burns if damaged antenna contacts with skin.
- Do not place the walkie–talkie in direct sunlight for a long time or near a heating device.
- If you wear your portable walkie–talkie on your body, make sure that the antenna is at least 5 cm away from your body when the walkie–talkie is transmitting.
- In the unlikely event that you notice any odor or smoke coming from your walkie–talkie, turn off the power immediately and contact the authorized dealer nearest.

Product Inspection

Welcome to use the wireless intercom. Before using it, we recommend that you :

- Checking the packing to see whether there is any signs of damage.
- Please open the box carefully and check if there are any items listed in the table below. If you find any loss or damage to this product and its accessories during handling, please contact your dealer immediately.

Random Accessories

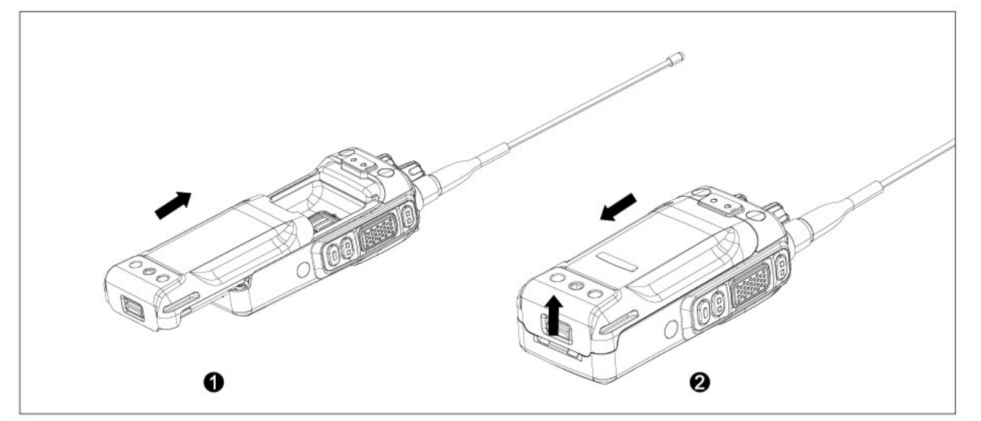
Accessories	Quantity
Intercoms	1
Antenna	1
Li–ion Battery Pack	1
Charger	1
Hand Strap	1
Instructions for use	1
Clips	1

Note: For more information on optional accessories, please contact your dealer.

Accessory Installation

Installing/uninstalling the battery pack

1. Align the battery pack snap slot with the corresponding slot in the machine as shown in Figure ❶ and push it in until you hear the "click" sound.
2. If ❷ shows the battery buckle upward, then push the battery backward so that the upper part of the battery from the machine and then remove the battery.



Accessory Installation

Mounting/unmounting the antenna

Hold the bottom of the antenna and screw the antenna into the antenna holder at the top of the pair of inlet machines in a clockwise direction until it is tight. (See Figure 3)

Turn the antenna counterclockwise to remove it. (See Figure 4)

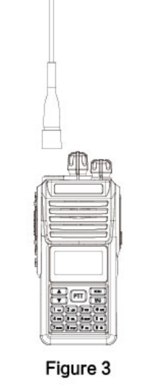


Figure 3

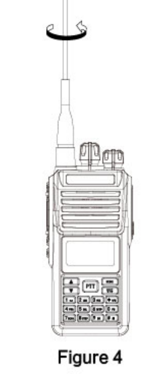


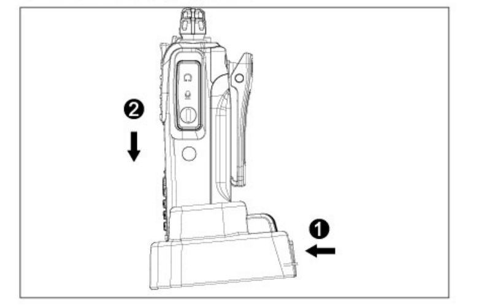
Figure 4

Prepare for use

Stand Charging

Charging operation steps

Please use the charger specified by our company to charge the battery, and the indicator of the charger can show the charging status.



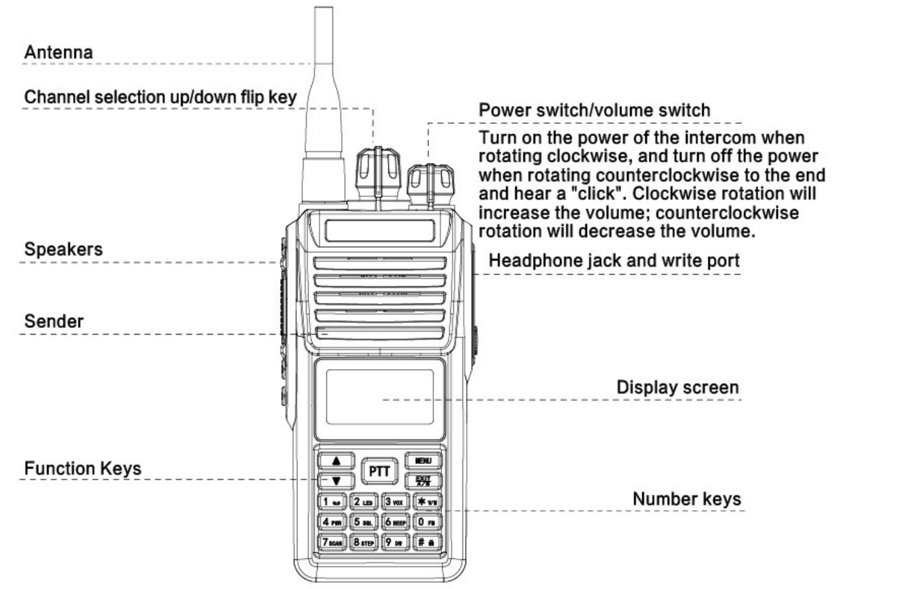
The charging status of the box of the stand charger charging indicator

Indicator light display	Charging status
Green light is always on	Standby (no load)
Red light is always on	Charging
Green light is always on	Fully charged

1. Connect the power adapter to the back of the AC power socket box charger, as shown in figure ❶ Jack.
2. As shown in figure ❷, insert the intercom with the battery into the charger, and ensure that the battery is fully in contact with the charging terminal.
3. The red light indicates the start of charging.
4. When the indicator light turns green, the charging is completed.

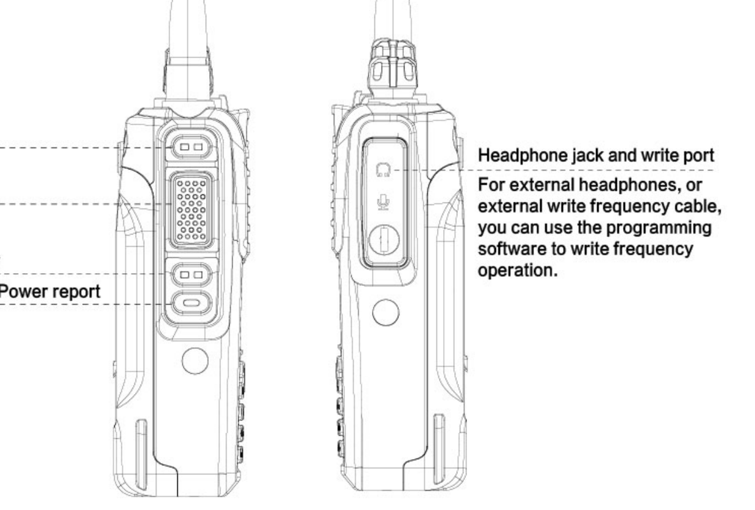
Familiar with walkie–talkies

Instructions



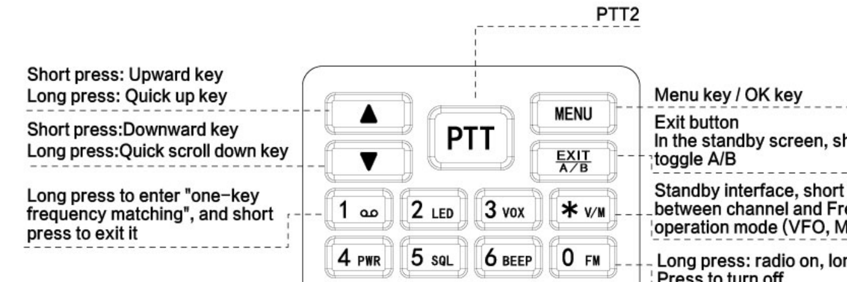
Power switch/volume switch: Turn on the power of the intercom when rotating clockwise, and turn off the power when rotating counterclockwise to the end and hear a "click". Clockwise rotation will increase the volume; counterclockwise rotation will decrease the volume.

Familiar with walkie–talkies

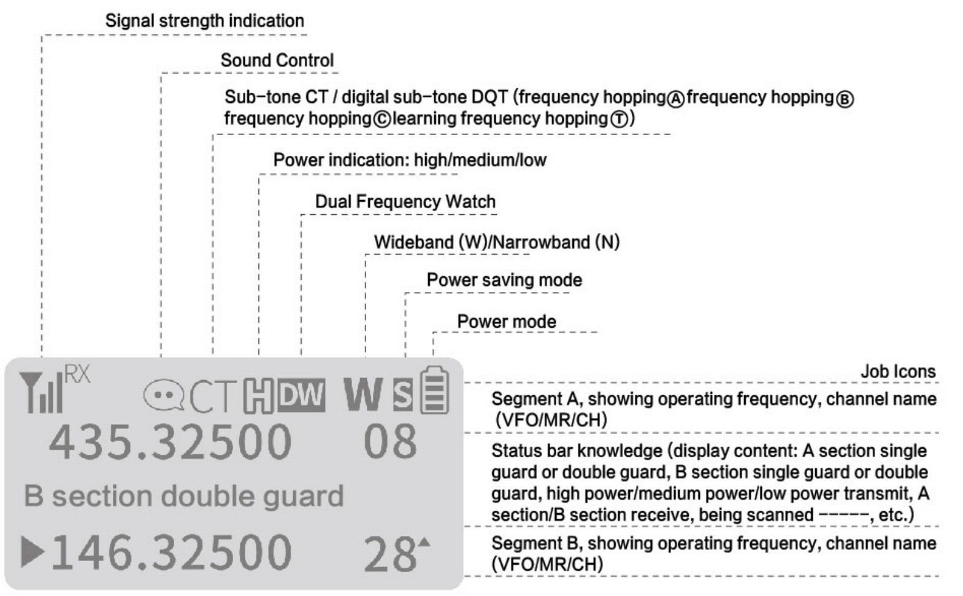


Headphone jack and write port: For external headphones, or external write frequency cable, you can use the programming software to write frequency operation.

Key Introduction



Interface LCD typography instructions



Segment A, showing operating frequency, channel name (VFO/MR/CH)

Status bar knowledge (display content: A section single guard or double guard, B section single guard or double guard, high power/medium power/low power transmit, A section/B section receive, being scanned –––––, etc.)

Segment B, showing operating frequency, channel name (VFO/MR/CH)

Interface Icons

Icons	Instructions
L	Current transmit power is low power
H	Current transmit power is high power
M	Current transmit power is medium power
CT	This symbol indicates that the current sub–tone is an analog sub–tone
DCS	This symbol indicates that the current subsonic is a digital subsonic
DW	It means that the dual–band watch function has been set and activated at the same time, and the dual watch state can watch the frequency points of the two bands displayed on the screen at the same time
🔒	This symbol appears when the keyboard is locked, and can be removed by holding downthe S key for more than 2 seconds
💬	Indicates that the acoustic emission function is activated, when the sound pressure level of the microphone reaches the set value, the emission is activated
N	This symbol appears when the current channel is operating in narrowband mode
W	This symbol appears when the current channel is operating in wideband mode
🔋	Display the current battery power remaining, in the case of battery is about to run out, there is a voice prompt "low battery" battery only shows the outer frame
▶	A/B segment pointer, indicating the current operating frequency point

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Menu Navigation

Level 1 Menu		Level 2 Menu		Level 3 Menu	Function Description
Number	Show	Number	Show	Show	
1	Send and receive settings	1	Working mode	Frequency, channel, frequency + channel	VFO CH MR
		2	Stepping frequency	2.50KHZ 5.00KHZ 6.25KHZ……50KHZ	In frequency mode, the step value of frequency could be changed by pressing the up/down key
			Frequency difference frequency	00.000^69.99750	In frequency mode, the difference between the transmit and receive frequencies is controlled by the direction of the frequency difference
			Frequency difference direction	Close	
				Adding frequency	In frequency mode, the transmit frequency is equal to the receive frequency plus the frequency difference frequency
				Frequency reduction	In frequency mode, the transmit frequency is equal to the receive frequency minus the frequency difference frequency
		3	Output Power	High power	Transmits high power
				Medium power	Transmitting medium power
				Low Power	Transmits low power
		4	Squelch level	Close, level 1–9	Squelch level
		5	Signal bandwidth	Broadband	The signal bandwidth is 25K
				Narrowband	The signal bandwidth is 12.5K
		6	Time Out Timer	Off, 30S 60S 90S ……270S	Numbers from 30 to 270 in 30 steps
		7	Busy Channel Lockout	Close	Transmitting is allowed even if the channel is occupied
				Open	The channel is occupied and prohibited from transmitting

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Menu Navigation

Level 1 Menu		Level 2 Menu		Level 3 Menu	Function Description
Number	Show	Number	Show	Show	
1	Send and receive settings	8	Scrambler	Open	Turn on scrambling mode
				Close	Turn off scrambling mode
		9	Intercom Beep	Close	No beep
				Start	Launch with beeps
				End	Receive with beeps
				Both	Transmit and receive with beeps
2	Subaudio	1	CTCSS	67.0HZ……254.1HZ D023N……D754N	Transmit and receive change at the same time (to modify, press "*" key to select the analog sub–tone digital sub–tone positive code digital sub–tone inverse code:)
		2	Receive CTCSS signal	67.0HZ……254.1HZ D023N……D754N	Modify receive subsonic only
		3	Launch CTCSS signal	67.0HZ……254.1HZ D023N……D754N	Only modify the launch subsonic
		4	Frequency hopping	Open Close	
		5	Frequency hopping mode	Frequency hopping A Frequency hopping B Frequency hopping C	
		6	Learning mode (T)	Open Close	The intercom couldn't work even if the frequency points are the same in different modes
	Channel Storage	1	storage channels		
		2	delete channels		
	Scanning				
3	Option Settings			5S 10S 15S Close Always on	

Menu Navigation

Level 1 Menu		Level 2 Menu		Level 3 Menu	Function Description
Number	Show	Number	Show	Show	
3	Option Settings		Backlight selection	Chinese English Close	
			Voice Prompt	Open Close	
			Key Tone	Chinese English Close	
			Keyboard Lock	Open Close	
			Power saving mode	Open Close	
			Dual Frequency Watch	Open Close	
			Priority Launch	Primary channel Recently received	
			Channel Name	Open Close	
4	Settings of voice operated exchange	1	VOX Gain	Close Level 1 2 ……9	
		2	VOX delay	1S 2S 3S	
5	Radios	1	Working mode	Frequency Channel Mode	Select channel mode only when there are channels.
		2	Radio monitoring	Open Close	
		3	Storage Channel		In frequency mode, turn on the radio and input the desired frequency, then press MENU to select the stored channel, then select the channel to be saved by the up/down flip key, and finally press MENU to save it.
		4	Channel Deletion		
6	One Click Frequency Matching				Operation details are described in the basic operation description

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Basic operation

Power on and off

If you need to turn on the power, please turn the knob clockwise until you hear the "click" sound: If you need to turn off the power, turn the knob counterclockwise until you hear the "click" sound.

Volume adjustment

After power on, turn the (power switch/volume) knob clockwise to increase the volume and counterclockwise to decrease the volume.

Frequency/channel mode switching

Short press the keypad key [* V/M] to switch the frequency/channel mode.

Call

Press the PTT1 key to transmit the A–band frequency
Press PTT2 to transmit B–band frequencies

A/B segment switching

Short press [EXIT A/B] key for A/B section switching In the standby interface (keyboard is not locked).

Keypad lock

Long press [# 🔒] key in the standby interface（keyboard is not locked）to lock and press again to open the keyboard.

Radios

1) Long press the [0 FM] key on the keyboard to turn on the radio mode, then long press and hold the [7 SCAN] key for 2 seconds, the radio will automatically search for stations, and long press the [0 FM] key again to turn off the radio.

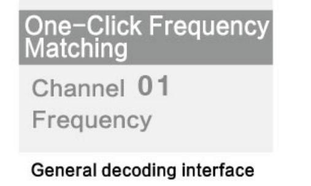
Basic operation

2) In the radio mode, in order to change to the required band quicker next time , you can add a shortcut key for the required band, (operation steps: press MENU key to enter the menu In this radio mode –choose the channel storage and press MENU key–save the required channel by the up / down key, if you want to delete some channels then choose the channel deletion) You can switch to different channels by pressing [* V/M] whether in frequency mode or channel mode when the radio has saved channels.

One–Click Frequency Matching

Long press and hold the keyboard [1] key to enter "One–Click Frequency Matching", and long press this key again to exit it.

1) Enter the code breaking mode, you can select the channel by up/down flip key (frequency mode VFO A frequency mode VFO B channel)
2) in the code breaking mode, the machine (other models) which needs to be decoded keeps transmitting signals, the display interface shows completion accompanied by receiving sound after breaking the code successfully, at this time, the interaction of the two witnessed the success of decoding, then press [MENU] key to save the current frequency mode or channel (after saving it in the channel mode, it will switch directly to the next channel decoding mode). If you press [EXIT A/B] key when the decoding is not successful or the channel is not saved, the current channel will re–enter the decoding mode.



General decoding interface

Super decoding interface
Note: Specially designed programs

This machine has two ways to bdecoding: one is the general decoding, the other is the super decoding (optional) 4th generation (Note: You are recommended to use the general decoding first in most circumstances because it is faster, if you can not decode successfully, you should change to the super decode interface for decoding) super decoding is slower. Long press and hold [# 🔒] 3S to switch between general decoding and super decoding.

Shortcut key combinations

MENU + 1	Long press 1 button for 2 seconds	One–Click Decoding	
MENU + 2	Long press 2 button for 2 seconds	LED	Backlight selection
MENU + 3	Long press 3 button for 2 seconds	VOX	Voice operated exchange
MENU + 4	Long press 4 button for 2 seconds	PWR	Transmitting power
MENU + 5	Long press 5 button for 2 seconds	SQL	Squelch level
MENU + 6	Long press 6 button for 2 seconds	BEEP	Key Tone
MENU + 7	Long press 7 button for 2 seconds	SCAN	Scanning
MENU + 8	Long press 8 button for 2 seconds	STEP	Stepping frequency
MENU + 9	Long press 9 button for 2 seconds	DW	Dual Frequency Watch

Partial initialization (not delete the channel): with the walkie–talkie off, hold the PTT key + 4 and then turn it on.

Complete initialization (including the channels): with the walkie–talkie on, hold the PTT key + 7 and then turn it off.

Technical Specifications

Overall section

Frequency range	136–174MHz/400–520MHz
Rated voltage	DC7.4V (battery)
Memory Channel	199 channels
Antenna Configuration	Extra Sensing Antenna
Antenna Impedance	50Ω
Working method	Simultaneous or heterodyne simplex
Grounding method	Negative ground

Launch section

Output power	5–10W
Modulation method	Frequency Modulation
Max. frequency deviation	< ±5KHz
Residual radiation	≤-60dB
Pre–weighting characteristics	6dB per octave
Emission current	≤1200mA

Receiving section

Sensitivity	< 0.16uV(25dB SINAD)
Squelch sensitivity	< 0.2uV
Intermodulation immunity	50dB
Audio Power	≥300mW
Receiving current	≤100mA
Squelch Watch	20mA

● The specifications above are for reference only, It will standardize by actual products!

Warranty card

Models ____________ Purchase Date ____________
Serial number ____________
Seller ____________ Contact Number ____________
User Name ____________ Contact Number ____________
Address ____________ Zip Code ____________

Warranty Description:

1. This warranty card is kept by the customer as a warranty certificate, and will not be replaced if lost.
2. This card take effect only if be stamped and dated by the point of sale.
3. This card is not allowed to be altered, Please confirm that the serial number of the warranty card is consistent with the number of the purchased machine, otherwise it will be invalid.
4. The warranty period is one year, The charger, battery, lanyard, antenna and feeder are consumables and are not covered by the warranty.
5. Users can choose the following ways to obtain maintenance services:
   a.At the shop where you bought it.
   b.At the special local maintenance point of our company.

Out along the line