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**Hongwei
GP328S UV
Eight Segment
Intelligent Noise
Reduction**

Hongwei GP328S UV Eight Segment Intelligent Noise Reduction User Manual

Contents

Hongwei

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Product Information

NOTICE

The regulations of the people's Republic of China on radio administration stipulate 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, a 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.

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 staff 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 healthcare 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:

- Check 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.
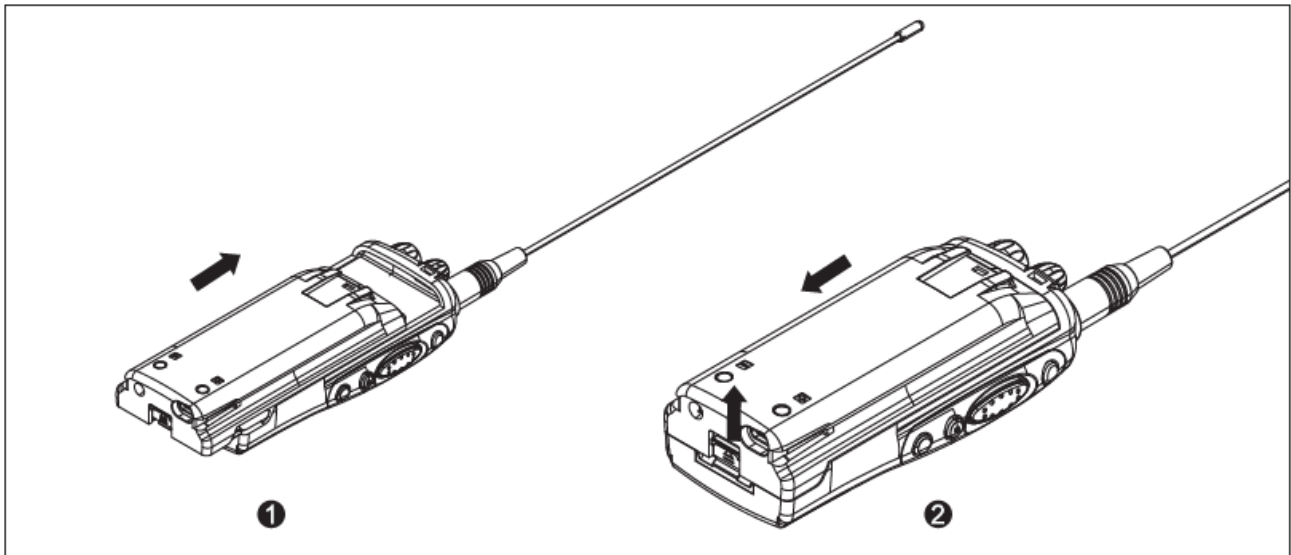
Random Accessories

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 slot with the corresponding slot in the machine as shown in Figure 1 and push it in until a "click" sound is heard. sound.
2. If 2 shown lift the battery clasp upwards, then push the battery back so that the upper part of the battery comes out of the machine, and then electrically remove the battery.

Mounting/unmounting the antenna
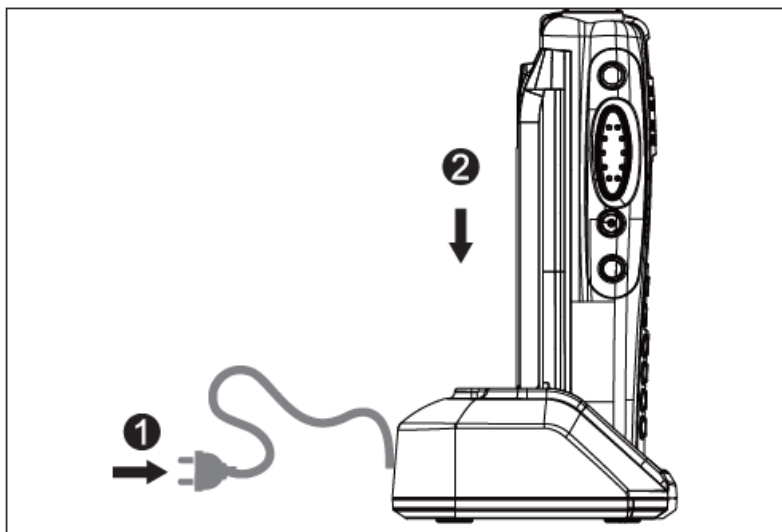

Figure 3   Figure 4

- 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)

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.

1. Plug the power cord into a 110V/220V outlet as shown in Figure 1.
2. As shown in figure 2, 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.
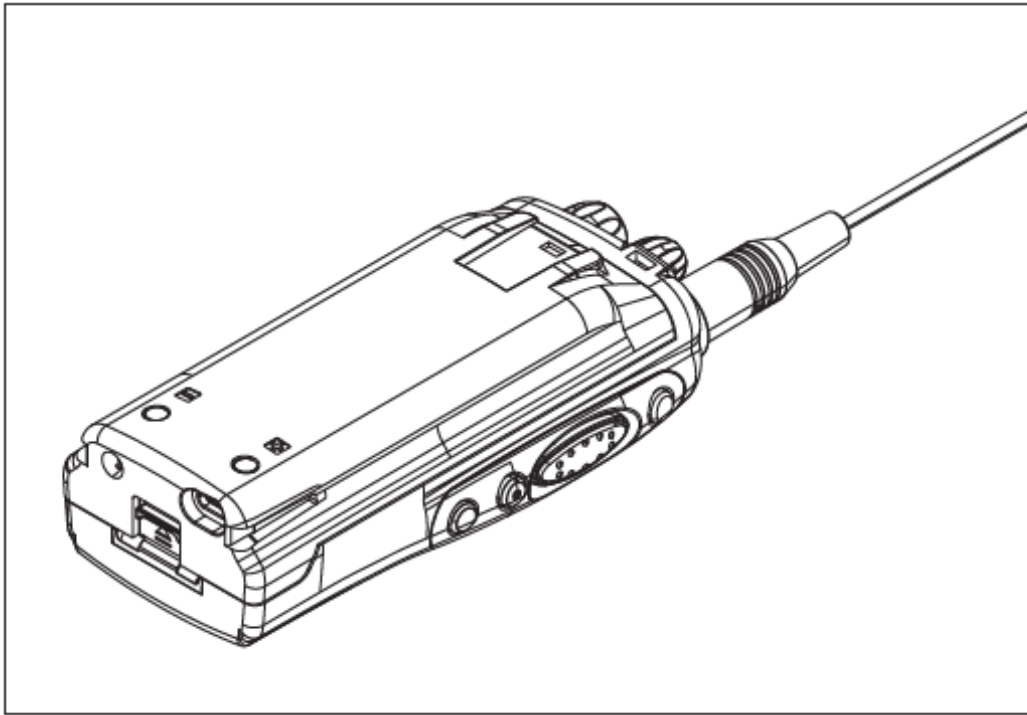4. When the indicator light turns green, the charging is completed.

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

Line charging

Charging procedure

Please use our designated charger to charge the battery; the indicator light of the battery can show the charging status.

1. Insert the charging cable into the battery's Type-c charging port as shown in the picture.
2. The red indicator light is on to indicate the start of charging.
3. When the indicator light turns green, it means charging is complete.

Battery charging indicator shows charging status

Indicator light display	state of charge
Red light always on	Charging
Green light always on	Battery full

Familiar with walkie-talkies

Antenna

Channel selection up/down flip key

indicator light
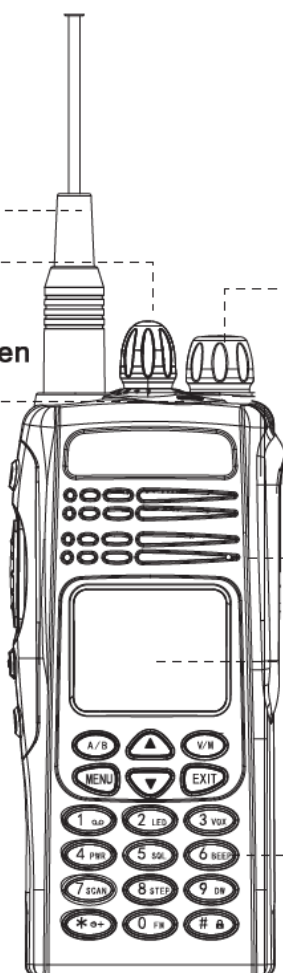Red light on when transmitting, green
light on when receiving

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.
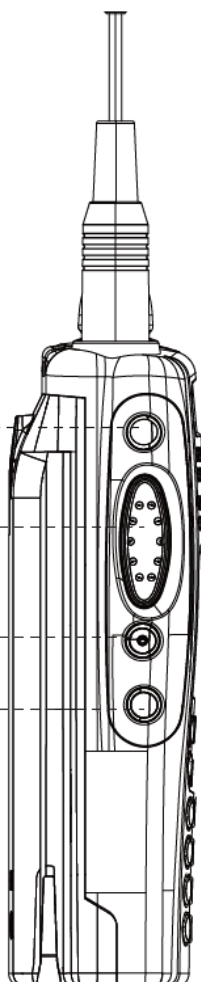
mouthpiece

display screen

numeric key

Alarm key, press and hold to hear an
alarm for the group you are in.
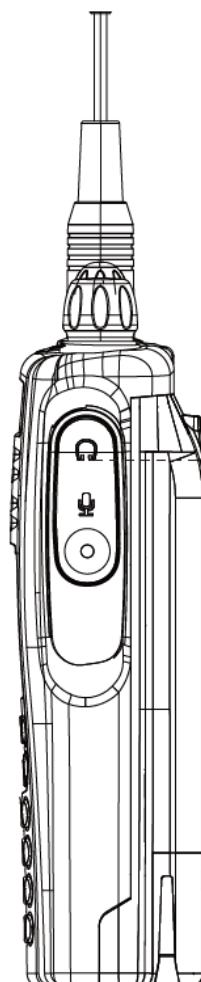 PF1 key
(can be defined) see basic operation

PTT launch key

 PF2 key
(can be defined) See Basic Operations

PF3 key Long press: Noise cancellation on/off
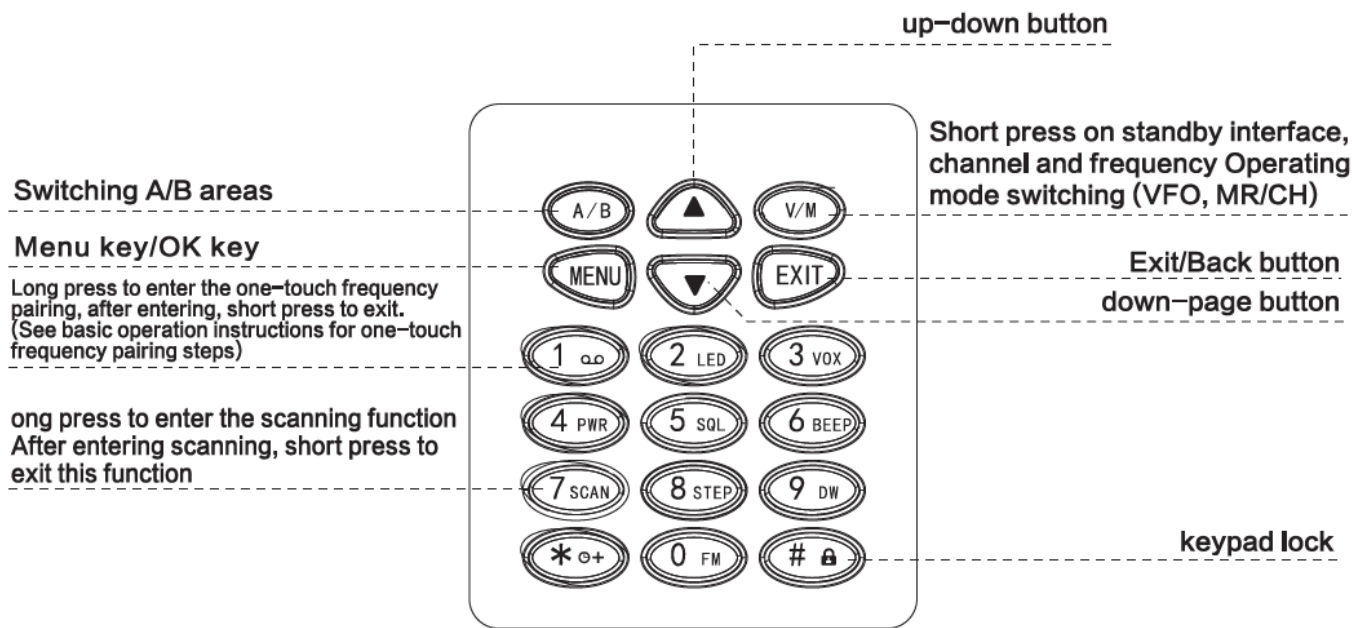(can be defined) See Basic Operation
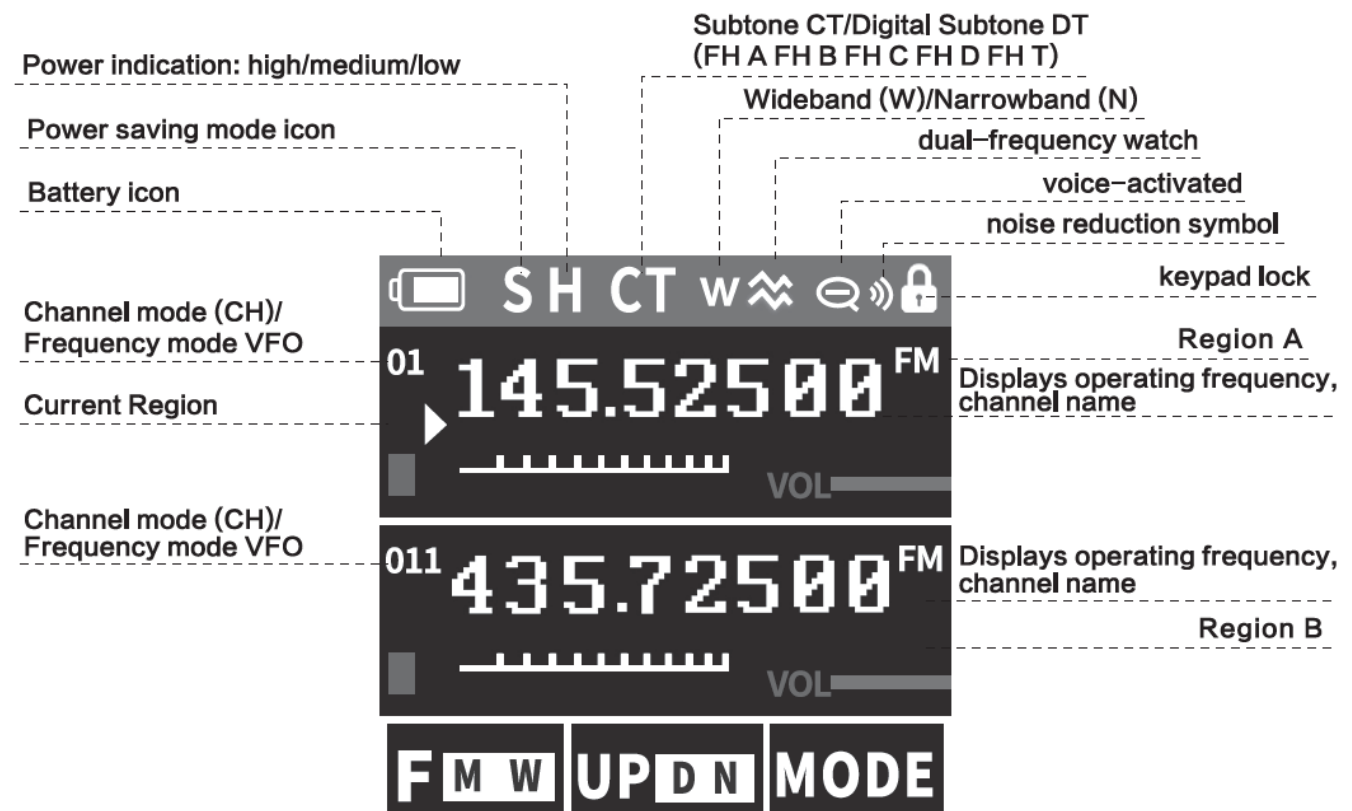
Headphone jack/data
transfer port

Key And Lcd Introduction

Key Introduction

up-down button

Short press on standby interface, channel and frequency Operating mode switching (VFO, MR/CH)

Switching A/B areas

Menu key/OK key

Long press to enter the one-touch frequency pairing, after entering, short press to exit. (See basic operation instructions for one-touch frequency pairing steps)

ong press to enter the scanning function After entering scanning, short press to exit this function

Exit/Back button
down-page button

keypad lock

A/B   ▲   V/M
MENU   ▼   EXIT
1 ᴏᴏ   2 LED   3 VOX
4 PWR   5 SQL   6 BEEP
7 SCAN   8 STEP   9 DW
* ☉+   0 FM   # 🔒

Interface LCD typography instructions

Power indication: high/medium/low

Power saving mode icon

Battery icon

Channel mode (CH)/ Frequency mode VFO

Current Region

Channel mode (CH)/ Frequency mode VFO

Subtone CT/Digital Subtone DT (FH A FH B FH C FH D FH T)

Wideband (W)/Narrowband (N)

dual-frequency watch

voice-activated

noise reduction symbol

keypad lock

Region A

Displays operating frequency, channel name

Displays operating frequency, channel name

Region B

🔋 S H CT W ≋ ◡ 〔🔒

01 **145.52500** FM

▶

VOL

011 **435.72500** FM

VOL

F M W UP D N MODE

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
DT	This symbol indicates that the current subsonic is a digital subsonic
≋	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 released by holding down the # A key for 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
)))	Noise cancellation is currently switched on

Shortcut key combinations

1 ☎	Long press 1 button for 2 seconds	One-Click Decoding	Press and hold 1 again to exit
2 LED	Long press 2 button for 2 seconds	LED	Backlighting options
3 VOX	Long press 3 button for 2 seconds	VOX	Sound Control
4 PWR	Long press 4 button for 2 seconds	PWR	Emission power
5 SQL	Long press 5 button for 2 seconds	SQL	Quiet Level
6 BEEP	Long press 6 button for 2 seconds	BEEP	Key Tone
7 SCAN	Long press 7 button for 2 seconds	SCAN	Scanning
8 STEP	Long press 8 button for 2 seconds	STEP	Step Frequency
9 DW	Long press 9 button for 2 seconds	DW	Dual Frequency Watch
0 FM	Long press 0 button for 2 seconds	radio	Long press to exit radio

In the off state, press and hold the PTT1 key +4 and turn on the power again, partially initialised (without clearing the channel).
In the off state, press and hold the PTT1 key +7 and turn on the power again, all initialisation (including channel).
In the off state, press and hold the PTT1 key +8 and turn on the power again, you can modify the use of the frequency band range.

Basic Operation

Switching on and off

- To switch on the unit, turn the (Power/Volume) knob clockwise until it clicks: to switch off the unit, turn the knob

anti-clockwise until it clicks. If you need to switch off the unit, turn this knob counterclockwise until you hear a "click".

Volume control

- After switching on, turn the (Power Switch/Volume) knob clockwise to increase the volume and counterclockwise to decrease the volume. requency/channel mode switching short press the keypad key * for frequency/channel mode switching.

Frequency/channel mode switching

- Short press the keypad key [V/M] for frequency/channel mode switching.

Shout

- When ▶ is pointing at area A, pressing the PTT key indicates transmitting the A-band frequency point, and pointing at area B, pressing the PTT key indicates transmitting the B-band frequency point.

A/B segment switching

- In the standby screen (keypad is not locked) short press [A/B] this key for A/B segment switching.

Side key PF1 key, side key PF2 key, side key PF3 key

- You can enter the machine menu to customize the settings (short press/long press to set specific function options: none, scan, radio, alarm, TONE, Weather, Listening)

Weather forecasts (for use in restricted areas)

- When you enter the weather forecast, you can use the navigation keys to switch the frequency (there are 9 groups to choose from) icons as shown in the figure:

keypad lock

- In the standby screen (keyboard is not locked) long press the key to lock the keyboard, long press this key again to turn on the keyboard.

Noise reduction

- When long press the PF3 key for 2 seconds to open the noise cancellation function, at this time the intercom reception process can not hear the peripheral noise, the sound is clearer. Press and hold key again for 2 seconds to switch off the noise cancellation function.
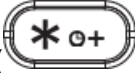
end-of-call tone

- Press the MENU key and then select the End of Call Tone option, press the MENU key to enter, with (None, Start, End, Both) available inside.
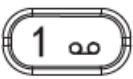
Radio

1. Press and hold the key on the keypad to switch on the radio mode, then press and hold the key for 2 seconds, the radio will automatically search for stations, press and hold the key again to switch off the radio.
2. In radio mode, in order to quickly forward to the desired frequency band the next time, you can add shortcut keys to the desired frequency band. (Operation steps: Press the MENU key to enter the menu under the current radio – select channel storage – press the MENU key to enter – save the required channels through the up/down keys. If you want to delete certain channels, choose to delete the channels for operation.) When the radio has saved channels, Whether in frequency mode or channel mode, you can switch by pressing .

Sub-audio settings

1. Transmit/receive subaudio setup via frequency writing software.
2. Enter the intercom menu, select transmit/receive sub-tone and press MENU to enter, then you can input the desired sub-tone directly in the keypad (key is to switch analog sub-tone, digital sub-tone/inverse code digital sub-tone).
3. The main interface displays the top bar, displaying CT/DT to indicate with sub-tone/digital sub- tone; displaying FH⒜ FH⒝ FH© to indicate that the unit is turned on in the FH A, B, C mode; displaying FH ⓣ indicates that the unit is currently in Code Breaking Success with FH mode.

One-touch frequency pairing

Long press and hold the keypad ⬭1🔊 key to enter one key pair frequency, long press this key again to exit this function.
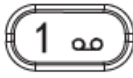
1. To enter the code breaking mode, you can select the desired channel with the up/down flip key.

2. After entering the code-breaking mode, the machine to break the code (other models) has been launched, after the code is successfully broken, the display interface shows the completion of the display and can be accompanied by the reception of sound, at this time, if the two can talk to each other that the code-breaking is successful (remember to talk to each other), at this time, press the 〔MENU〕 key to save in the current channel (channel mode is saved, and then directly into the next channel code-breaking mode). If it does not break successfully short press the 〔EXIT〕 key to reset and the current channel re-enters the code breaking mode.

3. There are two ways to break the code of this machine (the following icons): one is regular code breaking, and the other is super code breaking.

   - (**Note:** Normal first use ordinary code breaking operation, code breaking speed is faster, if you can not break the code successfully, in the transfer to the super code breaking interface for code-breaking) super code breaking code breaking speed is slower, long press and hold the ⬭1🔊 3S ordinary code breaking and super code breaking mode to switch between each other.

One−touch frequency pairing

Channel 001
Frequency.
Subtone:
Save   reset

Normal Code Breaking Screen

One−touch frequency pairing

Channel 001
Frequency.
Subtone:
Save   reset

SuperCode interface

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 be standardized by actual products!

Warranty

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:

- At the shop where you bought it.

- At the special local maintenance point of our company.

Documents / Resources

	Hongwei GP328S UV Eight Segment Intelligent Noise Reduction [pdf] User Manual GP328S UV Eight Segment Intelligent Noise Reduction, GP328S, UV Eight Segment Intelligent Noise Reduction, Segment Intelligent Noise Reduction, Intelligent Noise Reduction, Noise Reduction, Reduction

References

- **User Manual**