



DS-308W

A machine in hand,
safe worry,
zero distance communication



USER'S MANUAL

Thanks!

Thank you buy our PTT network radio. We believe that the radio will provide you with convenient and reliable communication, can operate at the highest efficiency in the you are using.

The radio uses the advanced technology, we are confident that the quality and functionality of this product will be satisfied.

Safe sex Users using the radio the General risk of knowledge and understanding is very important.

warning

- Explosive environments (such as gas, dust and smoke)
- At the time of refueling or stopping at the gas station, please power off the radio.

Before use notice

Please observe the following precautions to prevent fire, personal injury and damage to radio:

- Recommended radio usage to shoot 1 minute, receive 4 minutes. Long continuous firing will cause the back heating. When you place the intercom, shall not expose the rear plastic surfaces.
- In any case not the machine.
- Do not let the walkie-talkie to direct sunlight for a long time, don't talk radio near a heating device.
- Do not let the walkie-talkie in extremely dusty, damp and splashes of water, don't say it on the unstable surface.
- If it is found that radio makes an abnormal smell or smoke, immediately turn off the power, and remove from the radio Pool or battery box. Then with the local dealer.

Band	Max Output Power (dBm)
GPRS 850 1 TX Slot	33.0
GPRS 850 2 TX Slot	32.5
EDGE 850 1 TX Slot	27.0
EDGE 850 2 TX Slot	26.5
GPRS 1900 1 TX Slot	29.6
GPRS 1900 2 TX Slot	29.5
EDGE 1900 1 TX Slot	25.6
EDGE 1900 2 TX Slot	25.3
WCDMA Band 2	22.5
HSDPA	21.7
WCDMA Band 5	22.8
HSDPA	21.6

CONTENTS

Out of the box and device checks	1
Random close by.....	1
Preparation work	2
Keng batteries	3
CARP module characteristics.....	3
Keng charge	3
Attachment installation	4
Installing/removing battery pack.....	4
An installed Line	5
Belt clip installation.....	6
Installation of radio harness	7
install earphone	8
Familiar with this computer	9
Host description.....	11
Volume knob / Switch knob open Turn off the.....	11
PTT key	11
Group selector	11
Current group key.....	11
Current power key	11
Led status	11
Write code	11
Function description	12
Getting started	12
Install the battery box U SIM card	12
Basic use.....	12
Position and function of	14
Simple troubleshooting.....	15
FAQ solution	16
Led descriptions	16
Brief technical specifications	17

-1-

Preparation work

Warn

- ※ Please do not charge the battery pack for too long If the battery's charge is not completed within the specified time, Stop charging. Battery could overheat and smoke crack or burst into flames.
- ※ Please do not stay the battery pack in the microwave and high-pressure containers! battery could overheat and smoke crack or burst into flames.
- ※ Please do not rupture and leakage of the battery pack near fire! If the batteries leak (or issued a pungent smell), immediately away from flammable areas. Batteries leaked electrolyte Liquid easy to fire, may cause the battery pack goes up in smoke or burst into flames.
- ※ Please do not use the battery pack if the battery pack to give the acrid odor, color look different, deformation or abnormal for any reasons, Disconnect the battery pack from the charger or operating equipment, please do not use it.
- ※ Please use a special charger charger is specifically designed for this type of radio, more scientific and rational to the models the interphone battery charging, Safe and reliable.

-2-

Use button batteries

Charging the battery before using Reduced battery discharge, please do not use the battery pack the battery pack from the unit down, place the battery pack storage A cool, dry place. When storing the battery pack for a long time:

1. And remove the battery from the appliance
2. And if possible, to charge the battery pack
3. And keep the battery pack in a cool (temperature below 25 degrees c), dry place

Button battery pack characteristics

- ※ After repeated charging and discharging the battery pack, the capacity decreases.
- ※ Even if the battery pack from the Not Also aging.
- ※ In the relatively cool outside carp rechargeable battery required for a long time.
- ※ In hot charge on the batteries will shorten their service life. When storing the battery pack in the heat, the Pack aging more quickly. Please don't tell the battery pack in the car and near a heating.
- ※ If using a shorter, even if you have full power, replace the battery pack. Continue to charge and discharge the battery pack will result in leakage of electrolyte.

Battery charging

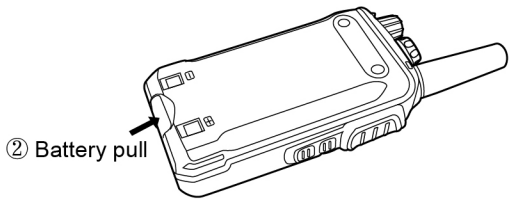
After the charger is receiving power, put battery and good contacts to the red light that's bright, begin charging the battery. Battery is fully charged the Green led of the charger after burning bright. During the charging process if the temperature exceeds range, battery damage or bad contact charger led is not lit.

-3-

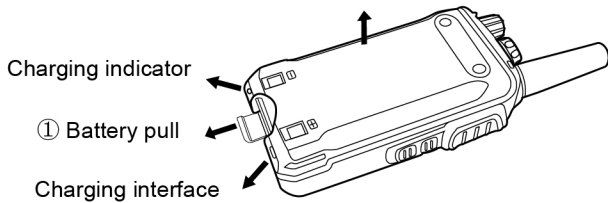
Accessories installing

How remove battery

- ※ Not short-circuit battery terminals or put batteries into the fire.
- ※ No attempt to remove battery shell.
- ※ Not install batteries in a hazardous environment, the spark will cause an explosion. Insert the corresponding to the back of the battery pack at radio guides, then push the battery button in the arrow direction until the "clicking risks" a sound, put the battery lock .



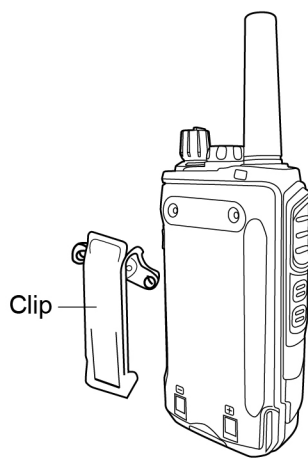
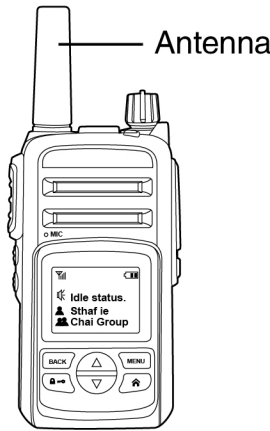
When you remove the battery, put the intercom Turn off the Closed, and then push outward on the walkie talkie battery button press the arrow, the battery pack According to the arrow direction, remove the battery -



-4-

Install antenna

Holding the antenna base, rotating the antenna in a clockwise direction into the top of the radio interface, until tightened so far



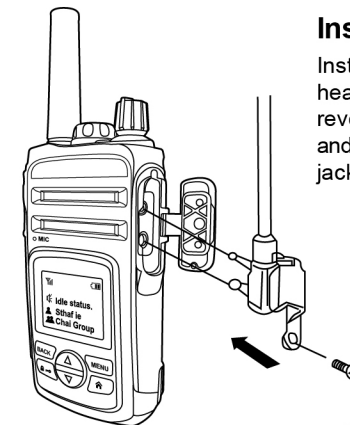
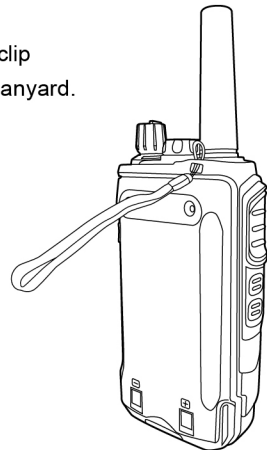
Fit belt clamps

If necessary, the belt is clamped with two screws, aiming at the two screw holes of the back cover of the battery, and the fixed screws are locked to be convenient for the walkie talkie to carry.

-5-

Install the lanyard

The rope through the belt clip on the elliptical hole fixed lanyard.

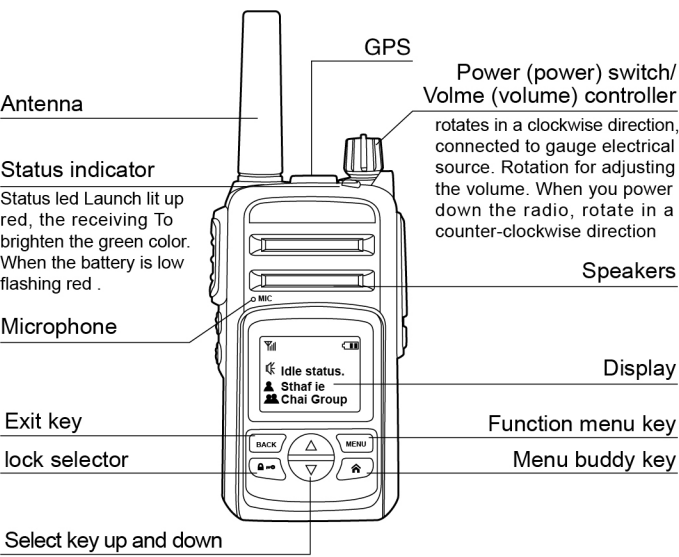


Install the optional headset

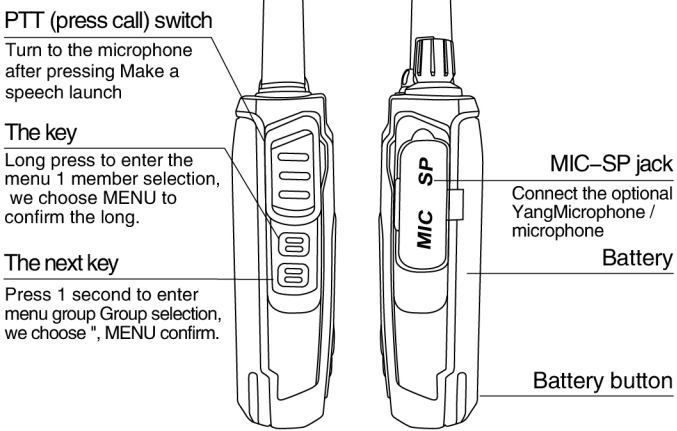
Install the included earphones from headphone at the top open the lid, revealing after the headphone jack and headphones into the headphone jack, you can work.

-6-

Familiar with the machine



-7-



-8-

Host description Add-on install

1. Above, equipment Tuning Volume knob , complete opening and closing and the volume control work
 2. And the headphone jack on the right side of the device, special headphones into the headphone jack, you can hear the intercom voice, press and hold the ear Key on the machine, heard "drops" sound, you can make voice intercom. The device is equipped with a dedicated headphone, headset cannot be used.
 3. When the device is running out of power when the voice prompts low battery, recharge it. Be sure to use the factory equipped with charger, otherwise the manufacturers warranty.
 4. AndPTT when the intercom, press and hold the intercom button, intercom buttons in the left side of the radio, will hear "drop" sound, At this point, you can make voice intercom, at this point, the members of your group, hearing your words sound. Finished, release the talk button, complete the talk process.
 5. Group switching, management platform for machines in the background defines several groups through Group toggle button can switch groups.
 6. Power tips and low battery alarm, press the third key will report the current energy situation, when the battery power drops to 10%, the A low battery alarm.
 7. Led status Power on the yellow LEDs fast asked us a prompt when searching network, yellow light after a successful login to the slow-asked, 5 Seconds to ask us Once: when entering single calling mode, calling yellow lamp 1 seconds to ask us again.
 8. Write code
- Headphone jack can also be used as writing code, with the manufacturer's written code line can set the information (IP address, account name, secret codes, etc).

-9-

Function description

Select the **MENU** selected. Displaying ① group selection, **MENU** for access to all groups, press **▲▼** to select a group, confirmed by the **MENU** , **BACK** exit. Show② members, **MENU** for entering the member selection, select members by **▲▼** , **BACK** for confirmation. Into a single calling intercom, cannot hear the other members, 15 seconds automatically exit, into the main group. Display③ friends select, **MENU** to friends selected, press **▲▼** to select members, **MENU** for confirmation, **BACK** exit. Enter friend Dan Hu told other friends not hear, 15 seconds automatically exit, into the main group. Displaying④ GPS information, optional configuration.

Getting started

1. Install Pool USIM
 - Use this Inserted in the machine before the effective USIM (SIM card), Network connectivity and related information is recorded in the USIM USIM Cards can be placed to any COMA Mobile phone use.1.Turn the volume knob/days Rotary switch, Close this.
 2. The back battery cover Xia Push up , After removing the battery cover. 3. Push USIM Shang Cover, USIM Card into the card connector, Note gap orientation correctly inserted USIM Card.
 - 4 The battery into the cover.
- Tip: Take Batteries make sure to do this before you turn a switch Knobs turn off Machine cut Do not Open State Xia Direct pull Pool, Result in data loss , Even without Repair the damage.

-10-

2. Basic use

Boot: shutdown mode, rotate volume knob clockwise knob switch/ switch machine will boot, start up That process will have audio and voice prompts. After a successful boot, yellow light to stay lit, then ask us, tip is to search the Web when searching after the success of cable networks, a voice prompt . Shutdown: power on State, counterclockwise, rotate the volume knob/switch the switch knob to the end, will be shut down, lights out. Adjusting the volume: clockwise rotation increase volume, anti-clockwise rotation decrease volume.Using a headset: Insert supporting the headset, press the headset on the PPT Button, you can initiate the call, release the PPT Button to cancel the call. Low battery alert when the battery charge is too low (less than 3.3V), Voice reminders,alerts the user charge.

Position and function of

- 1 Unison
- Groups within the larger user capacity, Group call Call, Apply direct, on-site coordination of the work on the ground.
- 2 Linkage across domains
- Not indeed, distance limitations, Can realize remote real-time scheduling.
- 3 Statement management
- Achieved permission to forcibly insert statements, First issued an emergency directive.
- 4 Real-time locating (bei Dou positioning system) optional Equipment positioning accuracy, error 15m.

-11-

Simple troubleshooting

If your radio is in use in the following, please read the following information, If it cannot be excluded, Please contact your dealer.

1. Poor reception: Possible causes: your current location network signal than weak (such as a basement or near building), making radio waves cannot be effectively communicated, Or the network may be busy lines (for example during peak periods of network flo w high, cannot call). Workaround: method a , move to good receive network r eset. Method two, Please avoid using or similar, please wait and try again
2. Echo or noise: possible causes: Part of the trunk road network operators network side. Solution: reboot after shutdown, you can automatically search for the base station to switch to quality than a good network .
3. Shorten the time: Possible causes: Shi associated with the network operator's system, the same Hand machines in different systems in different network operators, machine time varies: Or the battery runs out , in an environment of high temperature, battery life will be shortened, as if unable to connect to the network, the radio will continue to launch search for the base station signal. And continues to consume battery power, caused when shrinking shorter. Solutions Summary method: If you are in a weak signal Area, I Ching will for the time being told off.
4. Unable to connect to network: possible causes: usIM card is invalid, poor signal, or you're not on a network server. Solutions: Swap with a valid usIM card, move To Open location and try again, if you're inside a building, move to the window and try again .

-12-

Solutions to common problems:

1. Equipment does not power on , Do? Answer : The rotary knob, Led light, Led fast Ask, Represents a device on the line: LEDs do not light up, Set No power, check that the battery is installed: the light is Slow flashing , indicates that the device is not online, Please check that the card is properly: Does not solve the problem, contact after-sales service people who, Problems for service people describe.
2. Fruit press PTT keys do not respond to tell, how do you do? Answer: Check that the led is normal, Device is online.
3. Telling people not hear, do? Answer: Check groups group correct, Are on the same server. Check that the volume is open most. If there are problems, please contact sale people administrator.

Indicating lamp

Hot status	Led status	Time
Boot State / Set state	Yellow Lamp housing	
Network status	Yellow Lights flash	0.5S Bright, 0.5S Fight
Wait state	Yellow Slow	5S 1
Call status	Red light is	
Xin Sound	Yellow The	
Yellow light	IS s1	

-13-

TECHNICAL

TYPE	Parameter item	Specification
Mechanical Properties	Model No	DS-208W/DS-308W
	Dimension	120mmx 60mm x 33mm
	Weight	211g
	Working Temperature	-30°C to +75°C
Basic Parameter	Working Volatage	3.5 V~4.2V(Standard 3.7 V)
	Peak Current	0.8A
RF Rarameter	Frequency Range	GSM:850, 1900 WCDMA: Band 2, Band 5
	Receiving Sensitivity	WCDMA B2: ≤ -108dBm WCDMA B5 : ≤ -109dBm GSM850/1900: ≤ -106dBm
	GPS Sensitivity	GPS Positioning, 1.57542GHz Catch -144dBm, Track - 159dBm
	Data Speed Rate	GPRS: Multi-slot Class 10 EDGE: Multi-slot Class 10 WCDMA CS:UL 64kpbs/DL 64kpbs WCDMA PS:UL 384kpbs/DL 384kpbs HSDPA/WCDMA/EDGE/GPRS

NOTE: Due to the continuous development of technology, the above data is subject to changewithout notice.

-14-

GUARANTEE CARD

Product warranty cards

Thank you for purchasing this product, the company's range of radios in the factory through strict quality control and strict and reliable safety experiment. In order to ensure that the interests of customers and the company's reputation , the company produces radio products hosts one year warranty and accessories warranty warranty of three months.

Customer name Contact phone number

Customer address and zip code

Product model Product serial number

Date of purchase The invoice number

Vendor name (seal effectively)

-15-

GUARANTEE CARD

Product warranty cards

The following occurs during the warranty period will be implemented a paid service:

- ◆Unable to present this warranty card and purchase invoice or this card is altered, or not in accordance with product:
- ◆In the non-normal or non-normal circumstances the use of the product defect or damage caused by:
- ◆Incorrect use, accident, water intake, omission, defect or damage caused by:
- ◆From improper testing, operation, maintenance, installation, modification or adjustment defects and damage caused;
- ◆Defect caused by unauthorized servicing, dismantling, or damage to property;
- ◆Force majeure caused by defects or damage and wear and tear under normal use conditions.

Maintenance records

Repair date	Completion date	Fault description	Maintenance project	Repair personnel

-16-

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, including interference that may cause undesired operation.

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 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

- RF energy will be generated only when the radio is transmitting.
- The radio must be 2.5cm away from human face when transmitting . When worn on the body, always place the radio in a 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 population/uncontrolled environmental RF exposure limits.

Specific Absorption Rate (SAR) information

SAR tests are conducted using standard operating positions accepted by the FCC with the radio 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 radio while operating can be well below the maximum value, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new device is 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 radio are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

Your REDELL radio is designed and tested to comply with a number of national and international standards and guidelines (listed below) for human exposure to radio frequency electromagnetic energy. This radio complies with the IEEE and ICNIRP exposure limits for RF exposure environment at operating duty factors of up to 50% transmitting and is authorized by the FCC. In terms of measuring RF energy for compliance with the FCC exposure guidelines, your radio radiates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.