SHENZHEN SAMHOO SCI & TECH CO.,LTD.

A580 Series
Two way radio
OWNER'S MANUAL

www.samhoo.com.cn

Preface

Thanks for your favor in our product. To derive optimum performance from the product, please read this manual carefully before using it.

This manual applies to the following models of A580 series:
A580 V、A580 U1、A580 U4
A588 V、A588 U1、A588 U4
two way radio products.

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Disclaimer

Samhoo endeavors to achieve the accurancy and completeness of this manual, but no warranty of accuracy or reliability is given. All the specifications and designs are subject to change without notice due to continuous technology development. No part of this manual may be copied,modified, translated, or distributed in any manner without the express written permission of Samhoo. If you have any suggestions or would like to learn more details, please visit our web site: http://www.samhoo.com.cn or dial service hotline.

RF Energy Exposure Compliance

Safety of radio frequency radiation

In order to ensure the users' physical and mental health, theexperts and related organization from science, engineering,medicine, health, and industry jointly make the standards andguidelines of radio frequency radiation. As follows:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J.
- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95.1-1992.
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998.
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition.

The supervision requirements of Federal Communications Commission

According to the supervision requirements of Federal Communications Commission, this product must comply with radio frequency radiation limits of the Federal Communications Commission, otherwise, it is not allowed to sell on American market.The Manufacturers are required to inform the user of the matters needing attention by the way of posting label on the product, in order to improve the awareness of radiation protection.

Control and operation of radio frequencyradiation

In order to derive the optimum performance of the radio and ensure the compliance with the standards of relevant traditional limit requirements, the sending time shall not exceed 50% of the rated factor, and it needs to comply with the following instructions:

- Generate the RF energy radiation only in transmitting (talk). Reception (listening) and standby both won't generate.
- The distance between the terminal and body must be maintained at least 2.5 centimeters when transmitting.

User Information

- Government law prohibits governmental jurisdiction within the scope of unauthorized use of radio.
- Illegal operation will be subject to fines or arrest punishment.
- Repair only by trained professional and technical personnel.

Security: Users need to know and understand the use of radio.

Note: The pictures presented in this manual are only for reference!

⚠ Note

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

- Continuous using radio long time or at high power transmit mode will cause the heat of the back of terminal.
- In any case, do not dismantling the unit. Do not let the terminal by prolonged direct sunlight, and do not use the radio near the heating device.
- Do not put the radio on extremely dusty, damp and splashing water areas, and also on the uneven surface.
- If you find any unusual smells or smoke from terminal, you should immediately remove the battery, and contact with the local Samhoo dealer.

Instructional Icon

The following icons are available through this manual:

⚠ Caution: Indicates situations that could cause damage to your radio.

Note: Indicates tips that can help you make better use of your radio.

* Asterisk: Indicates the currently restricted function.

Term Explanation

Key operation

Short press: To press the key and release it quickly;Long press: To press the key and remain holding it down about a period of 1.5 seconds;Hold down: To press the key and remain holding it down.

Group call

Group call is initiated by a single user to a group. involving the calling party and all the group members.

Emergency call

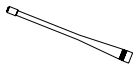
Emergency call is the highest priority call. It is used to call for help to the companion or the control center in an emergency situation. The general set is group call form. If initiating an emergency call, any non emergency calls can be interrupted.

Conventional mode

Under conventional mode,Simplex communication can be carried out directly between the terminals without network limitation. But user cannot use the functions that need network support.

Checking Items In The Package

Please unpack carefully and check that all items listed below are received. Radio unit is A580 or A588.if any item is missing or damaged, please contact your dealer.

		
Battery	Power adapter	Antenna
Belt clip	Charger	Strap
A580 Radio unit	A588 Radio unit	Ower's manual

Note:1.The frequency band of antenna is marked on the label of it, if not, please refer to the label on the radio unit for frequency band information;
2.The pictures presented in this manual are only for reference!

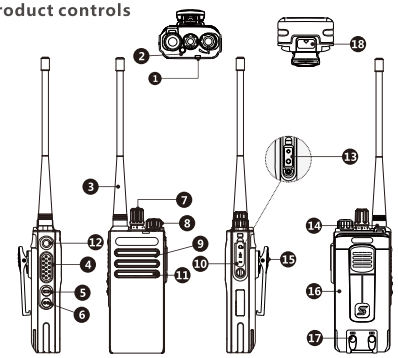
Optional Accessories

D-Earset	Programming cable	Six-Slot Desk Charger
Transparent Acoustic Tube Earset	Hand microphone	Desk Charger Power adapter

Note: If you need to know more information about the optional accessories,please contact us.
In order to ensure the normal operation of the machine and the user's personal safety, be sure to select the right accessories.

A580 Product Overview

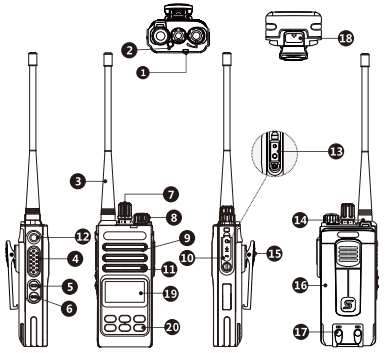
Product controls



NO.	Part Name	NO.	Part Name
1	LED Indicator	2	Emergency Call Key
3	Antenna	4	PTT Key (transmit key)
5	SK1 (Battery strength broadcast)	6	SK1 (Safety flashing light ON-OFF)
7	Channel Knob	8	Radio ON-OFF/Volume
9	Speaker	10	Accessory Jack Cover
11	Microphone	12	Safety flashing light
13	Accessory Jack	14	Strap Hole
15	Belt Clip	16	Battery
17	Battery Pole Piece	18	Battery Latch

A588 Product Overview

Product controls



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15	Belt Clip	16	Battery
17	Battery Pole Piece	18	Battery Latch
19	LCD Display	20	Function Keypad

Programmable keys

[Sk1] key, [SK2] key can be set as functionor menu shortcut keys by your dealer.You only need topress the corresponding shortcut key to quickly access the neededmenu or function.

SK1 A580:The default short press state of Battery strength broadcast.
A588:The default short press state of Scan ON-OFF.

SK2 The default short press state of Safety flashing light ON-OFF.
Press 1 time for constant brightness;
Press 2 times for flashing;
Press 3 times for closing.

LED indicators

The LED indicator on top provides you with the information of the current operation status of the radio.

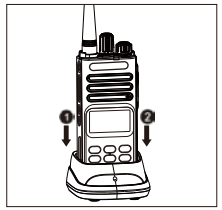
Handheld terminal status	Indicator status
Transmitting the call	LED glows red
Receiving the call	LED glows green
Phone call	LED glows red on both sides
Channel is idle	LED flashes green slowly
Channel is busy	LED glows orange

Before Use

Charging the battery

■ Charging operation steps

Please only use the charger and battery specified by Samhoo; the indicator of the charger can show the charging progress.



1.As ❶ shown, connect the power adapter to AC power socket and the jack at the back of the charger.
2.As ❷ shown, insert the battery or the radio with battery into the charger, and make sure the contact between the battery and charger is good.
3.The charging process initiates when the indicator glows red.
4.When the indicator turns green, it indicates that the charging is finished.
The charging time for the standard battery normally takes about 3 hours, for optimal battery performance, the first charging time should be up to 5 hours.

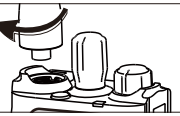
■ Charger LED indicator and charging status

LED indication	Charging status
LED flashes red and green alternatively	Standby(not loaded)
LED glows red	Charging status
LED glows green	Fully charged

Assembly and Disassembly

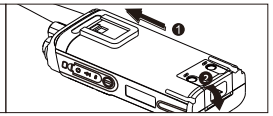
Attaching the antenna

1.Rotate the antenna clockwise until it is fastened. Note: To remove the antenna, please rotate it counter-clockwise.



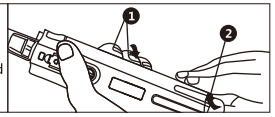
Attaching the battery

Put the battery flatwise into the radio, As❶shown , place it along the aluminum shell slot at the top, and then press down on the bottom position❷with your hand until you hear a "click" sound and the battery is pressed tightly.



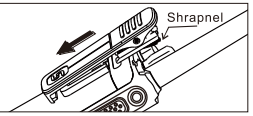
Removing the battery

1.As❶shown, hold the radio like this.
2.As❷shown,hold the bottom groove with the other hand and pull upwards to remove the battery.



Attaching the belt clip

1.As shown in the picture, push down the belt clip along the slot.
2.If it is required to disassemble the belt clip, push the belt clip shrapnel upwards and pull it out.



Attaching audio accessory/programming cable

1.As shown in the picture, open the dust plug.
2.Align the audio/programming cable plug with the accessory jack.
3.Insert the audio/programming cable plug.

Basic Operations

Turning on/off the radio

Rotate the Radio On-Off/Volume knob clockwise/counter-clockwise until a click is heard to turn on/off the radio.

Adjusting the volume

After turning the radio on, rotate the Radio On-Off / Volumeknob clockwise to increase the volume or counter-clockwise todecrease the volume

Selecting a channel

Rotate the Channel Knob to select a desired channel.

Mode switch

The radio support analogue conventional/digital conventional modes.
Modes can be switched via programming software by dealers.

D588 can check the current working mode of the walkie talkie by viewing the text prompts on the interface.

Call

Group call

Talk group can be set by dealer in advance. The operation methods are the same under DMO/conventional mode.

• Transmitting a group call

1: Rotate channel knob to select call group;

2: Press【PPT】key can transmit a group call;

• Receiving and replying a group call

You can receive the group call without any key operation. If reply is needed, please press 【PPT】key after the speech of the other side and then speak to microphone.

Emergency Call

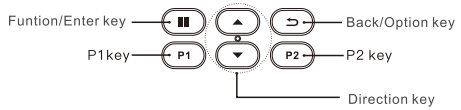
Emergency call is supported and operated as below:

Long press 【Emergency Call】key to transmit an emergency call.

A588 Function indication

Function keypad

After locking the screen, long press the【P2】 key to unlock.



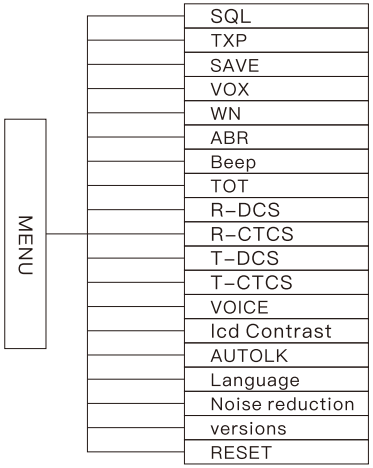
LCD icons

LCD screen can display radio status, text items and menuitems. The following are the icons displayed in standby interface.

Icon name	Icon	Radio status
Battery strength icons		Low battery power
		More bars indicate more battery power
RSSI		No signal
		More bars indicate better signal strength
Quiet noise	DT	DCS mode
	CT	CTCS mode
Power icons	L	Transmit with lower power
	H	Transmit with high power
WN icons	N	NARR mode
	W	WIDE mode
VOX icons	VOX	VOX mode

A588 Menu Navigation

【Menu】



Quality Assurance and Maintenance Terms

SHENZHEN SAMHOO SCI& TECH CO.,LTD.(hereinafterreferredto as Samhoo) promise the radios produced by Samhoo, sincethe date of purchase, under the condition of normal use, operationand maintenance, have defects in the material or manufacturingtechnology, you will enjoy the following warranty service.

1. The scope and duration of warranty

The radio: 24 months.
The standard accessories (including antenna, battery, charger,belt clip etc.):12 months.

2. The warranty

If you apply for the warranty services of Samhoo products,please provide a valid warranty card or the original invoice.In the warranty period, the related marks of Samhoo products,such as the serial number, should be maintained clear and complete and not be torn up.
1.The warranty card should be a complete warranty card which is filled in and stamped by Samhoo or the authorized dealers.The contents on the warranty card should include the product name, manufacturing serial number, date of purchase, marketing unit and so on.
2.The effective invoice should be supervised by the fiscal and taxation departments and it is an important voucher. The filling content on the invoice should include the product name manufacturing serial number, date of purchase, amount of purchase and so on.

Note:

●This product must be sent back to the headquarters of the service or our overseas service station for the repair.
●The waterproof terminals(the waterproof level should be up to or above 6)must be sent back to the service headquarters,our overseas service station or the maintenance station of authorized dealers for repair.
●Please pack the product well with the required documents and detailed description of malfunction and send to our company or the designated service points. You can also get help by dial our service hotline.

3.The terms of this service do not include the following contents.

1.Beyond the valid period of warranty.
2.The malfunction or damage caused by the use or maintenance which are not according to the specification.
3.The malfunction or damage caused by the abnormal or unconventional use.
4.The malfunction or damage caused by the modification, change,remove, using non-originat attachments or batteries, or upgrading software and removing firmware without Samhoo's authorization.
5.The fault or damage to the antenna is not caused by the materials or processing.
6.The related marks on the radio are torn up or erased, the serial number can not be identified.
7.The products whose purchase date cannot be identified.
8.The malfunction or damage caused by the force majeure.
9.The normal abrasion.
10.The battery with following circumstance:
a.Artificially damaged or opened.
b.Use the abnormal equipment to make a battery charging

Special note:

1.Within the limits of law, in any case, Samhoo has no liability for the loss that is more than the product purchase price, mean-while, Samhoo is not liable for any loss of use, loss of time, loss of business, loss of profits or income, and the incidental, special or secondary damage.
2.Since the environment or system of using the product are different.Samhoo is not responsible for the coverage area of the whole system or the operation conditions.
3.The maintenance clauses are enacted in accordance with relevant national warranty regulations. Due to the technical development and market adjustment, the clauses will be changed accordingly. The specific changes are subject to Change Notice issued by samhoo customer service center. For other matters not mentioned here, will be subject to relevant national regulations.

Troubleshooting

Phenomena	Analysis
The radio cannot be turned on	Please check whether the voltage is too low or the battery is damaged.
Call failure	1: Check the signal intensity; make sure that the radio is in the service area. 2: Contact network administrator, make sure that the radio is authorized.
Group call receive /reply failure	1: Make sure that the radio is in the correct group channel. 2: Make sure that the radio is authorized to join the group.
Call transmission is terminated	Long transmission time, time is out.
Call drop accidentally	1: Check whether the terminal is in basement, tunnel or other signal shielding position beyond the coverage area. 2: Check the battery.
Loudspeaker diminished	1: Check if there is water in loudspeaker's inlet hole. 2: If there is water, put loudspeaker downwards to palm and pat it for few times. After 3~5minutes, the loudspeaker will be back to normal.

If above troubleshooting suggestions cannot solve your problem, or you are facing other problems beyond those, please do not hesitate to contact with local Samhoo dealers or contact Samhoo directly for more assist.

Care and Cleaning

To guarantee optimal performance as well as a long service life of your radio, please follow the tips below.

Radio care

Keep the radio far away from substances that can corrode theelectronic circuit.
Do not hold the radio by its antenna or headset cable directly to prevent damage to its normal use.
Attach the accessory jack cover when the radio is not in use.

Radio cleaning

Clean up the dust and fine particles on the radio surface and charging piece with a clean and dry lint-free cloth or a brush regularly.
Use neutral cleanser and a non-woven fabric to clean thekeys, control knobs and front case after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid surface case damage. Make sure that the radio is completely dry before use.

Note: Turn off the radio and remove the battery before cleaning.

Samhoo SHENZHEN SAMHOO SCI & TECH CO.,LTD.

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SHENZHEN SAMHOO SCI & TECH CO.,LTD.

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Website: www.samhoo.com.cn

ISO9001:2015
ISO14001:2015
ISO45001:2018

FCC Caution.

§ 15.19 Labelling requirements.
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.

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

§ 15.105 Information to the user.
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.

Specific Absorption Rate (SAR) information:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authorityto operate the equipment. For Remote controller, SAR tests are conducted using standard operating positions accepted bythe FCC/ISEDC with the device transmitting at its highest certified power level in all tested frequency bands, although theSAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well belowthe maximum value. Before a new model device is available for sale to the public, it must be tested and certified to the FCCthat it does not exceed the exposure limit established by the FCC/ISEDC, Tests for each device are performed in positions andlocations (e.g. at the ear and worn on the body) as required by the FCC/ISEDC. For body worn operation, this model devicehas been tested and meets the FCC/ISEDC RF exposure guidelines when used with an accessory designated for this productor when used with an accessory that Contains no metal and that positions the handset a minimum of 10 mm from the body.Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

Tm maintain compliance with the FCC/ISEDC’s RF exposure guidelines, hold the transmitter and antenna at least 1 inch(2.5centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face.