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Facebook:facebook.com/retevis

MADE IN CHINA

TRANSCEIVER

Scan function

will be satisfied with its quality and functions . This transceiver will bring you convenient, fast, reliable two-way communication Notice:

 Please read this manual carefully before using this · Please do not communicate or charge this transceiver in flammable, explosive and area which transceiver communication is prohibited (such as oil station, gas station,

• Please do not operate this transceiver without licence in government laws banned areas. Please make sure this transceiver avoids the sunshine, and avoids to put it near any heating device.

· If transceiver smells or smokes, please remove the battery company or local dealer.

Busy Channel Lock Out

FM Transceiver

Welcome to use our handheld transceiver. We believe you will be pleased to use it in our daily life and work. This transceiver adopts advanced technology, we hope you

> BASIC OPERATION.... SCAN FUNCTION.....

CONTENTS

AUXILIARY FUNCTIONS.... CTCSS FREQUENCY(50 CTCSS FREQUENCY).....

unstable surface. pack from transceiver at once, and then contact our

professionals & technicals, self-disassembly is prohibted

UNPACKING AND CHECKING EQUIPMENT..... PREPARATION..... GETTING STARTED....

CTCSS/DCS.....

DCS FREQUENCY (105 DCS FREQUENCY)...... Please make sure this transceiver avoids any dusty, humis and water splashed place, and also avoids to put it on

The repair job of this transceiver is in the charge of

USB Charger User's Manual

We recommend that you open the packing box before

1. Supplied Accessories

UNPACKING AND CHECKING EQUIPMENT

Quantity

· Do not charge the battery for a long time!

charging. Otherwise the battery may be overheat and

· Do not throw the battery into micro-wave oven and highpressure container!

Prevent the break as well as liquid spilling battery from fire! If battery working life becomes shorter, please replace it away from inflammable area. The electrolyte spilling from the battery is easy to catch fire, and it will cause battery smokes or burst into fire suddenly.

 Do not use unusual battery! If battery smells smelly, different colors, out of shape or any unusual display, please remove the battery from charger or operating device and do not use it.

reasonable, and safety.

1.Use Li-ion Battery To prevent battery pack from discharging, please remove the battery from transceiver or device when it is

For battery long time storage

PREPARATION

2.Battery Characteristic The capacity of battery will reduce step by step after being charged and discharged again and again Battery will be aged even without any usage.

If possible discharge battery.

3. Store it in a cool(below 25℃) and dry place.

 It will cost longer time to charge the battery in cool and dry place. · Battery working life will be reduced if being charged in otter place. Battery ages more quickly when stored in hot lace. Please do not leave battery in car and put it near any heating

4. Install/Remove Battery Pack Please use standard charger The charger supplied is specialized designed for this Do not short circuit battery pack terminals or throw battery transceiver only, it will charge the battery more scientific

Remove the battery from device

even it is fully charged. If go on being charged and discharged, the electrolyte will spill. 3.Charge Li-ion Battery hen charger is power on, put battery in and full connected, the light will turn red, start charging. When battery has been

fully charged, the green light on.

not install battery pack under dangerous conditions, otherwise spark will cause explosion. nsert the top part of the battery pack into the top 2 slots of the transceiver and then press the battery pack down until a "click" sound is heard.(Pic1) not in use, and then store it in a cool dry place o remove the hattery pack, make sure the transceiver has

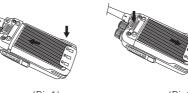
been turned off, and then press the battery released latch in th

Note: The areas with potentially explosive atmosphere referred

to above include fueling areas such as below decks on boats, fuel

or chemical transfer or storage facilities, areas where the air

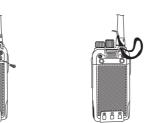
o not try to remove the battery pack shell





bottom of transceiver, and pull the bottom part of battery away om the transceiver body, and remove the battery.(Pic2) 5.Install/Remove Belt Clip If necessary, install the supplied screws into the belt clip at he back of battery pack for easy carry.(Pic3)

To remove the belt clip, directly remove the two screws only. 6.Install Hand Strap ① Power/Volume Knob Install the hand strap at the middle circle of the transceiver. (Pic4,



Press it to open and again to close this function.

GETTING STARTED

② LED Indicator

otating to adjust the volume. To turn it off, rotate the knob When transmitting, LED indicator turns green, and when

receiving, LED indicator turns red. LED indicator will flash Rotate Channel Selection Knob to select needed channe Clockwise rotation will rise the channel number and 3 Channel Selection Knob anticlockwise rotation will reduce the channel number. Voice Prompt: The radio will be voice prompt recent PTT(Push-To-Talk) Switch o transmit, press PTT button and face towards channel number automic when you rotete channel knob.

⑥ MONI Key

microphone to talk.

4.Adjust Squelch Level Press it to monitor the selected channel. signal. When squelch is on, you can hear background nois

⑦ MIC-SP Jack It is to connect the optional microphone-speaker BASIC OPERATION 1.Turn On/Turn Off Rotate the Power/Volume knob clockwise to turn on the

> transceiver Rotate the Power/Volume knob anticlockwise to turn of the transceiver.

press [MONI] key to monitor loudspeaker. Make sure no any 2.Adjust Volume transceiver is transmitting on the selected channel Rotate the Power/Volume knob to adjust the volume. 2. Press [PTT] key, and speak to microphone. Clockwise rotation will rise the volume and anticlockwise (1) Keep microphone away from your mouth about 3~4 cm,

rotation will reduce the volume. and speak in your usual tone, so that the receiver can get More accurate adjustment is needed while communication best tone quality. (2) Press [PTT] key, LED indicator displays red. Note: You can press MONI key to monitor the

background noise while adjusting volume. 3.Channel Select

The voice prompt can be set by English and Chinese, you

can select the language by software.

displays green, you can receive the call. • If the transmitting signal is weaker, and also higher squelch level is set, then maybe you can not receive the call.

3. Release [PTT] key and start to receive.

5.Transmit(Call)

channel is programmed on by software or local dealer. Maybe your local dealer has set CTCSS/DCS signalling when other transceiver is using this channel, if press [PT] on your transceiver. When this programmable channels has been selected, only transceiver with same signalling can be key, then can not transmit, and transceiver will sound "beep", "beep". To stop beep sound, release PTT key. received. Other transmitting can not be received.

from speaker. When squelch is off, no any noise can be

squelch function. If the selected squelch level is too high, then

level is too low, then signal will appear with the background

weaker signal can not be heard; But if the selected squelch

1. According to different settings of monitor function,

When the selected channel is being called, LED indicator

using same channel frequency.

SCAN FUNCTION Press Scan key to start auto scan. When receiving signal

it will stop at current channel, and it will auto scan again after signal disappears in 5s. Press [PTT] key, if scan is working, then transmitting will according to the frequency from the scan start channel. If scan stops, transmitting will

your transceiver. When this programmable channels has

been selected, only transceiver with same signalling can be

according to current channel.(PC programmable) CTCSS and DCS Maybe your local dealer has set CTCSS/DCS signalling or

adjust the selected channel volume if signal disappears. received. Other transmitting can not be received. 4. CTCSS Select This function can help you not to receive unnecessary call pen the software, input the necessary frequency, click S""which is under "CTCSS/DCS decode" and It seems the transceiver maybe have its own channel after CTCSS/DCS encode", and select the necessary CTCSS, then CTCSS/DCS has been input, but if other transceivers have vrite it into transceiver by software. been set same CTCSS/DCS codes, your transmitting can be

pen the software, input the necessary frequency, click **AUXILIARY FUNCTION** "DCS""which is under "CTCSS/DCS decode" and "CTCSS/DCS 1. Busy Channel Lockout

encode", and select the necessary CTCSS, then write it into 6.Time-out Timer(TOT) TOT function is used to prevent a channel have been used for a The default setting of this function is off, if the selected

2. Battery Voltage

3. Monitor

1. Product safety and RF Exposure for transceiver: Before using this transceiver, please read the manual

which contains important operating instructions for phantom Body SAR was performed with the belt clip on the safe usage, RF Energy Awareness, control information device 0 mm from the phantom. Body SAR was also performed and operational instructions for compliance with RF with the headset attached and without. Energy Exposure limits in applicable national and international standards, and also read the operational

Your Retevis radio is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

Federal Regulations: 47 CFR part 2.1093 - IEEE Std. 1528:2013 and KDB447498, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency

- United States Federal Communications Commission, Code of

Electromagnetic Fields. - American National Standards Institute (ANSI)/Institute of Electrical & Electronic Engineers (IEEE) C95. 1-2005

- Institute of Electrical and Electronic Engineers (IEEE) C95.3-20 - International Electrotechnical Commission IEC62209-2:2010

3. Test position and configuration Head SAR was performed with the device configured in the positions according to IEEE1528 and face up SAR was performed with the device 25mm from the

This product is compliance to FCC RF Exposure requirements and refers to FCC website https://apps.fcc.gov/oetcf/eas/ reports/Generic Search.cfm search for FCC ID: 2AAR8RETEVISRT27 to gain further information include SAR

SAFETY INFORMATION Your wireless hand-held portable transceiver contains a love power transmitter. This product sends out radio frequency (RF)

hand-held wireless devices. To control your exposure and ensure compliance with the general population or uncontrolled environment exposure limits. transmit no more than 50% of the time. The radio generates

measurable RF energy exposure only when transmitting.

CC RF exposure guidelines when used with Retevis Radio orp. accessories supplied or designated for this product. Use o ther accessories may not ensure compliance with FCC RF you wear the radio on your body when transmitting always us Retevis supplied or approved belt clip, holster, case, or body harness for this product.

If you do not use any accessories supplied or approved by Retevis, ensure the radio and its antenna are at least 1 inch (2.9cm) from your body when transmitting.

minor burn can result.

1) The antenna in the packing is unique, please do not optional

45 mm away from your face, when speaking. 3) Switching to other antennas is prohibited and will affect the



terminals. The conductive material may complete an electrical

· Do not discard your battery in a fire.

2) For safe operation, the antenna for the product shall be leas

4) DO NOT use any portable radio that has a damaged antenna If a damaged antenna comes into contact with your skin, a

All batteries can cause property damage and/or bodily injury such as burns if a conductive material touches exposed

use sharp or conductive tools to remove these batteries. when placing it inside a pocket, purse or other container with

· If the radio battery contact area has been submerged in water dry and clean the battery contacts before attaching the battery to

• Exercise care when removing NiMH or AA batteries. Do no · Exercise care in handling any charged battery, particularly

of electric shock.

• Do not replace the battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive

Do not disassemble, crush, puncture, shred or otherwise attempt to change the form of your battery Do not dry a wet battery or damp battery with an appliance or

Battery Charger Safety Instructions: 1. Turn the radio off when charging the battery. 2. Do not expose the charger to outside environment. Chargers should only be used indoors

3. Do not operate or disassemble the charger. Do not use a charger that has been dropped or damaged in any way. 4. Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a

5. To reduce the risk of damage to the cord or plug, pull the plug

the outlet before attempting any maintenance or cleaning.

3. Make sure the cord is located so it will not be stepped on, tripped over or subjected to damage or stress. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a sk of a fire and/or electric shock. If an extension cord must be

> he pins on the plug of the extension cord are the same number, The extension cord is properly wired and in good condition.

and what to do to as-sure that this radio operates with the FC F exposure limits of this radio. ualified electrician. An improper condition can result in a risk

rather than the cord when disconnecting the charger from the AC 6. To reduce the risk of electric shock, unplug the charger from

Solutions may result in a risk of fire, electric shock or personal

ised, make sure that: size and shape as those on the plug of the charger.

cord is damaged, call customer service.

Electromagnetic Interference/Compatibility **Note:** Nearly every electronic device is susceptible to ectromagnetic interference (EMI) if inadequately shielded

gulations per airline crew instructions.

devices (AIMD) should:

designed or otherwise configured for electromagnetic During transmissions, RETEVIS, INC. radio generates RF energy that can possibly cause interference with other devices or

10. The supply cord of the AC adaptor cannot be replaced. If th defibrillators (ICDs) or other active implantable medical

The information listed below provides the user with the information needed to make him or her aware of RF exposur

ome digital wireless radios may interfere with some hearing

aids. In the event of such interference, you may want to consult

your hearing aid manufacturer to discuss alternatives.

Hospitals or health care facilities may be using equipment that is interference and/or compatibility conflicts, turn off your

Medical Devices - Pacemakers, Defibrillators or other Implanted Persons with pacemakers, Implantable cardioverter

> · Consult with their physicians regarding the potential risk of interference from radio frequency transmitters, such as portable radios (poorly shielded medical devices may be more susceptible

suspect that interference is taking place. Do not carry the radio in a chest pocket or near the implantation site, and carry or use the radio on the opposite side of their body from the implantable device to minimize the potential for interference.

radio in any facility where posted notices instruct you to do so.

Use of Communication Devices While Driving Always check the laws and regulations on the use of radios in the When instructed to do so, turn off your radio when onboard an aircraft. Any use of a radio must be in accordance with applicable

Hearing Aids

Other Medical Devices

For Vehicle with Air Bags

• Turn the radio OFF immediately if there is any reason to

areas where you drive. Use hands-free operation, if available. • Pull off the road and park before making or answering a call, if driving conditions or regulations so require.

> Refer to the vehicle manufacturer's manual prior to installation of electronic equipment to avoid interference with air bag wiring. Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great

If you use any other personal medical device, consult the

manufacturer of your device to determine if it is adequately

shielded from RF energy. Your physician may be able to assist

Potentially Explosive Atmosphere Turn off your radio prior to entering any area with a potentially explosive atmosphere. Only radio types that are especially qualified should be used in such areas as "Intrinsically Safe". Do not remove, install or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

force and cause serious injury to occupants of the vehicle.

advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often – but not always posted. Blasting Caps and Areas woid possible interference with blasting operations, turn of your radio when you are near electrical blasting caps, in a

children under 3 years. ↑ Attention! RISOUE D'ÉTOUFFEMENT – Contient de petits éléments. Ne convient pas aux enfants de moins de 3 ans. Advertencia: PELIGRO DE ASFIXIA – Contiene piezas

> für Kinder unter 3 Jahren geeignet. ↑ Waarschuwing: VERSTIKKINGSGEVAAR – Bevat kleine onderdelen. Niet geschikt voor kinderen jonger dan 3 jaar. Attenzione: RISCHIO DI SOFFOCAMENTO – Contiene pezzi di piccole dimensioni. Non adatto a bambini di età

♦ Channels: 22 FRS

♦ Modulation type: F3E ◆ Bandwidth: 12.5KHz ◆ Power sour ce: LI-ion Battery 3.7V DC/1100mAh

Marning: CHOKING HAZARD-Small Parts. Not for

Aviso: RISCO DE ASFIXIA – Peças pequenas. Produto não recomendado para crianças com menos de 3 anos.

• Operating frequency: 462.5500MHz~467.7125MHz ◆ OutputPower: 0.5W

contains chemicals or particles (such as grain, dust or metal powders) and any other area where you would normally be

blasting area, or in areas posted "Turn off two-way radios". Ob

pequeñas. No conveniente para niños menores de 3 años. Achtung: ERSTICKUNGSGEFAHR – Kleinteile. Nicht

ote: Above channels are FRS license free channels

CTCSS FREQUENCY(50 groups) 1 67.0 12 94.7 23 141.3 34 179.9 45 225.7

_	0110		0 111				11010		
2	69.3	13	100.0	24	146.2	35	183.5	46	229.1
3	71.9	14	103.5	25	151.4	36	186.2	47	233.6
ļ	74.4	15	107.2	26	156.7	37	189.9	48	241.8
,	77.0	16	110.9	27	159.8	38	192.8	49	250.3
6	79.7	17	114.8	28	162.2	39	196.6	50	254.1
7	82.5	18	118.8	29	165.5	40	199.5		
3	85.4	19	123.0	30	167.9	41	203.5		
)	88.5	20	127.3	31	171.3	42	206.5		
n	91.5	21	131.8	32	173.8	43	210.7		

DCS FREOUENCY (105 groups

3	13	100.0	24	146.2	35	183.5	46	229.1
9	14	103.5	25	151.4	36	186.2	47	233.6
ļ	15	107.2	26	156.7	37	189.9	48	241.8
)	16	110.9	27	159.8	38	192.8	49	250.3
7	17	114.8	28	162.2	39	196.6	50	254.1
5	18	118.8	29	165.5	40	199.5		
ļ	19	123.0	30	167.9	41	203.5		
5	20	127.3	31	171.3	42	206.5		
5	21	131.8	32	173.8	43	210.7		
3	22	136.5	33	177.3	44	218.1		

11 94.8 22 136.5 33 177.3 44 218.1

GUARANTEE CARD

Model Number: Serial Number: _____ Purchasing Date: _____ Dealer: ______ Telephone: _____ User's Name: _____ Telephone: _____

> 2. This guarantee card to be filled & chopped by the dealer, or it is invalid. 3.Don't alter the guarantee card please confirm the serial number on the guarantee card is same as that on the machine. 4. One-year guarantee, charger, battery, earphone, antenna and

REMARKS: 1.This guarantee card to be kept by the user,no repl-

can cable are not under guarantee. 5. The user can get repairing service from the following ways: a.Go to the shop where you buy the machine b.Our local repairing agent

Address: _____Post Code: _____

Start this function to prevent interfereing other transceive

If the transmitting time exceeds the programmable time. transceiver will stop transmitting, and send alarm sound. Release [PTT] key, transceiver will back to receiving mode automatically .

When this channel is free, press PTT key again to transmit.

detected. When voltage is low, LED indicator displays red.

prohibited. Please charge the battery pack or replace the

difficult to be received under normal operation, and also

u can press [MONI] key to monitor weaker signal which is

The transceiver can be used for a while, but excessive

transmitting will run out of battery quickly. When batter

voltage is very low, an alarm will be heard, transmitting in

instructions for safe use.

signals when the Push-to-Talk (PTT) button is pressed. The device is authorized to operate at a duty factor not to exceed 50% n August 1996, the Federal Communications Commissions FCC) adopted RF exposure guidelines with safety levels for

Changes or modifications not expressly approved by the rty responsible for compliance could void the user's authority

operate the equipment and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as epairs in the private land mobile and fixed services as certified by an organization representative of the user of those services

Replacement of any transmitter component (crystal, emiconductor, etc) not authorized by the FCC equipment

Note: Use of this radio outside the country where it was intended

outhorization for this radio could violate FCC rules

to be distributed is subject to government regulations and may be

Body-Worn Operation o maintain compliance with FCC's RF exposure guidelines, for dy-worn operation, this radio has been tested and meets the