

3. Press the PTT button to exit menu or hereby button to continue setup.

To prevent accidental transmissions and save battery life, radio will stop transmitting if you press PTT button for 60 seconds continuously.

Press and hold button for 3 seconds, the user will be seamlessly switching between two-way and weather mode

adjust the volume, if necessary. You can also press (Mon) button to check

MENU OPTIONS

Selecting the Channel

The channel is the frequency of the radio uses to transmit.

1. Press the (Lay button until the channel number starts to flash.

2. Press ♠ or ♥ button to change the channel number. 3. Press the PTT button to exit menu or button to continue setup.

for activity on the current channel before you talk

Push-to-Talk Timeout Timer

Selecting the Interference Eliminator Code Sub-Codes help minimize interference by blocking transmission from

unknown sources. Your radio has 121 Sub-Codes.

To set the code for a channel:

1. Press the (web) button until the code number starts to flash.

2. Press♠or(♥) button to select code number.
3. Press the PTT button to exit menu or (♣) button to continue setup.

Setting and Transmitting Call Tones

Your radio can transmit different call tones to other radios in your group when you pressed button. The radio has 20 call tones. To set a call tone:

1. Press button until call tone 'CA' appears. The current call tone

2. Press or button to change and listen to the call tone.

operate on radio frequencies that are regulated by the local radio management departments (FCC). To transmit on these frequencies, you are required to have a license issued by them. The detailed classification and the use of your two radios, please contact the local government radio management departments. Use of this radio outside the country where it was intended to be

distributed is subject to government regulations and may be prohibited.

Unauthorized modification and adjustment

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs 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, semiconductor, etc.) not authorized by the local government radio management departments equipment authorization for this radio could violate the rules.

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. (Licensed radios are applicable); This device complies with part 15 of the FCC Rules. Operation is subject to

the following two conditions: (Other devices are applicable) (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including nterference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial

(14)

Thank you!

We believe this Two Way Radio will provide dependable and reliable communication to personal operating at peak efficiency. The

transceivers incorporate the latest in advanced technology. As a result

We feel strongly that you will be pleased with the quality and features of

Before using this Two way radio, please read the manual

usage, RF Energy Awareness, control information and

operational instructions for compliance with RF Energy Exposure limits in applicablenational and international

standards, and also read the operational instructions for

ains important operating instructions for safe

We are grateful that you chose our two way radio

Product safety and RF Exposure for Two Way Radio:

this product!

Voice Operated Transmission (VOX)

Fransmission is initiated by speaking into the microphone of the radio instead of pushing the PTT button.

1. To activate VOX, press button until 'VOX' appears on the display.

The current setting (0, 1-3) will flash.

2. Press♠or♥button to select the sensitivity level. 3. Press the **PTT** button to exit menu.

.3=High Sensitivity for quiet environments =Medium Sensitivity for most environments

1=Low Sensitivity for noisy environments I N=Turn Off VOX function

Dual Channel Monitor

Enable you to scan current channel and another channel alternately.

To set another channel and start Dual Watch. I. Press (MENU) button until '2CH' appears on the display. The current

setting (OF, 1-22) will flash. Press(▲)or(▼)to select channel 3. Press the PTT button to exit menu or button to continue setup.

4. Press the **PTT** button or wait until the time out menu to activate Dual Watch. The screen will alternate between Home Channel and

Dual Watch Channel. To end Dual Watch mode, re-enter Dual Watch menu to select the OFF

Note: If you set the same channel and code as current channel, Dual Watch does not work.

environment. This equipment generates, uses, and can radiate radio requency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

RF Exposure Information

DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF xposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by

the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared. **DO NOT** transmit for more than 50% of total radio use time, more

than 50% of the time can cause RF exposure compliance uirements to be exceeded.

During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so

DO NOT operate the transmitter in areas that are sensitive to lectromagnetic radiation such as hospitals, aircraft, and blasting sites

Portable Device, this transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory

configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm. Mobile Device, during operation, the separation distance between user and the antenna subjects to actual regulations, this separation distance

will ensure that there is sufficient distance from a properly installed externally-mounted antenna to satisfy the RF exposure requirements. Occupational/Controlled Radio, this radio is designed for and classified as "Occupational/Controlled Use Only", meaning it must be

used only during the course of employment by individuals aware of

Setting High Low Power

button until '**Pr'** appears on the display. 2. Press ♠ or ♥ button to select HI or LO. (HI- High Power, LO- Low

CONTENT

Supplied Accessories...

Display Screen Guide

Talking and Listening.....

Weather Channels and Frequencies......

Getting Started.....

Menu Options.....

Special Features.....

Channel and Frequencies.....

Control Buttons....

3. Press the PTT button to set and exit men

SPECIAL FEATURES

Keypad Tones

Your radio emits a beep each time one of the buttons is pressed (except the PTT and $(^{\circ}_{\text{CALL}})$ button). Press and hold the button while turning the radio ON to switch the

keypad tone ON/OFF. Roger Tone

You can set your radio to transmit a unique tone when you finish Press and hold the button while turning the radio ON to turn the

Keypad Lock

To avoid accidentally changing your radio settings: 1. To lock the radio, press and hold button until the key lock indicator • icon on display appear 2. To unlock the radio, press and hold (MEN) button until key lock

Roger Beep ON. Repeat the step to turn Roger Beep OFF.

indicator -icon on display disappea

Scanning Channels Use scan to search all channels for transmissions from unknown partie

to find someone in your group who has accidentally changed channels o to quickly find unused channels for your own use. To Start Scanning: 1. Briefly press the hours button, the **SCAN** icon will appear in the display and

the hazards, and the ways to minimize such hazards; NOT intended for use in a General population/uncontrolled environment General population/uncontrolled Radio, this radio is designed for and

RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits, always adhere to the following procedures.

Guidelines:

User awareness instructions should accompany the device when

Operating Instructions: Transmit no more than the rated duty factor of 50% of the time. To

according to installation instructions, externally mounted antenna.

 Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least 2.5 cm (one inch) away from the nose or lips. The (16)

antenna should be kept away from the eyes. Keeping the radio at a proper distance is important as RF exposure decreases with increasing distance from the antenna.

classified as "General population/uncontrolled Use" Phone Mode

transferred to other users.

Do not use this device if the operational requirements described

Transmit (Talk), push the Push to Talk (PTT) button. To receive calls (listen), release the PTT button. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance.

Transmit only when people outside the vehicle are at least the recommended minimum lateral distance away from a properly installed

When operating in front of the face, worn on the body, always place the radio in a Retevis approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of Non-Retevis approved accessories may result in exposure levels, which exceed the IEEE/ICNIRP RF exposure limits.

Hand-held Mode

When placing or receiving a phone call, hold your radio product as $% \left\{ 1,2,\ldots ,n\right\}$ you would a wireless telephone. Speak directly into the microphone.

Electromagnetic Interference/Compatibility

NOTE: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

Avoid Choking Hazard

Small Parts. Not for children under 12 years.

Turn off your radio power in the following conditions: • Turn off your radio before removing (installing) a battery or

SUPPLIED ACCESSORIES

Charging Stand

9

Battery

(1)

the radio will begin to scroll through the channel and code combination

When the radio detects channel activity matching the channel and code combination, it stops scrolling and you can hear the transmission.

3. To respond and talk to the person transmitting, press the $\mbox{\bf PTT}$ button

I. The radio will resume scrolling through the channels five seconds

1. If you press the PTT button while the radio is scrolling through inactive

channels, the transmission will be on the" home channel". Scanning will

If the radio repeatedly stops on an undesired transmission, you may temporarily remove that channel from the scan list by pressing and

holding ♠ or ♥ for 3 seconds. You may remove more than one

4. To restore the removed channel(s) to the scan list, turn the radio off

and then turn back on, or exit and re-enter the scanning mode by

Briefly press the button once to ON the lamp, press again to OFF

For better battery life, your radio is designed to switch to Power Save

mode when it has been no transmissions after 5 seconds. The radio

resume 5 seconds after the end of your transmission. You may press the

within 5 seconds after the end of the transmission.

2. If the radio stops on an undesired transmission, you meresume the scan by briefly pressing ♠ or ♥ button.

5. You cannot remove the home channel from the scan list

5. To stop scanning, briefly press the (Mon) button.

after the end of any received activit

(Mon scan) button to stop scanning at any time.

Your radio has a built-in-LED Lamp.

can receive transmissions in this mode.

Automatic Power Save

Scanning Notes:

LED Lamp

Quality

Belt clip

User's Manual

Enclosed Accessories

Two Way Radio

Belt Clip

Micro-USB

Battery

User's Manual

Two Way Radio

accessory or when charging battery. · Turn off your radio when you are in a potentially hazardous



environments: Near electrical blasting caps, in a blasting area, in explosive atmospheres (inflammable gas, dust particles, metallic powders, grain powders, etc.). Turn off your radio while taking on fuel or while parked at asoline service stations. To avoid electromagnetic interference and/or compatibility

 Turn off your radio in any facility where posted notices instruct you to do so, hospitals or health care facilities (Pacemakers, Hearing Aids and Other Medical Devices) may be using equipment that is sensitive to external RF energy.

 Turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions. (17)

reception in your area.

Setting the Weather Alert

Your radio can be set to respond to NOAA Weather Radio emergency messages. A special alarm tone sounds an alert and turns on the weather receiver to give you immediate weather and emergency information.

1. In weather mode press the button twice until
1 icon displays.

CONTROL BUTTONS

88,88

DISPLAY SCREEN GUIDE

(2)

WEATHER RECEIVE

Weather feature is available designed for use in USA and Canada.

Your radio can tune in to broadcasts by the United States

National Oceanic and Atmospheric Administration (NOAA)

Weather Radio and Environment Canada Weather Radio.

ou cannot use your radio in scan mode or for two-way

ou can listen to a weather channel (see "Weather Channels and

Both NOAA and Environment Canada have transmitters located

broughout the United States and Canada, respectively. These

Frequencies" table for details). When you listen to a weather channel,

nitters broadcast watches, forecasts and other information 24

From two-way mode, press and hold button for 3 seconds to enter

. In weather mode, press the button until weather channel number

2. Press♠or♥button to select the appropriate channel with good

Push-to-Talk -

Power On / Off Call Tone

Lamp On / Off _ Veather Switch

Speaker

Call Tone

— Dual Watch

SCAN - Scan

communications.

Entering Weather Mode

Setting the Weather Channel

our radio receives weather frequencies:

3. Press the PTT button to set and exit menu.

hours a day.

weather mode.

— Accessary Port

__ Monitor

Microphone

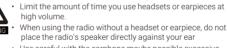
_ Micro-USB Charging Por

Scan

(10)

Protect your hearing:

Turn down the volume before adding headset or earpiece.



· Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss

may temporarily or permanently affect your hearing. The louder the radio's olume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes <u>√49\</u> ndetectable at first and can have a cumulative effect.

Batteries (If appropriate) When the conductive material such as jewelry, keys or

- When the transceiver is used for long transmissions, the radiator and chassis will become hot.

(18)

Use the lowest volume necessary to do your job.

When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear

Note: Exposure to loud noises from any source for extended periods of time

chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects

Long transmission

Turn up the volume only if you are in noisy surroundings.



Avoid Burns

 Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result.

Weather Chann

WX1

WX2

WX3

WX4

WX5

WX6

Safety Operation Forbid

· Do not use charger outdoors or in moist environments, use only in dry locations/conditions. Do not disassemble the charger, that may result in risk of electrical shock or fire.

(11)

o not operate the charger if it has been broken or damaged in any way. Do not place a portable radio in the area over an air bag or

▼ ---- Volume Mute

○ — Lock

GETTING STARTED

2. With the back of the radio facing you, lift the battery cover latch up

The number of bars (III) on the radio battery icon shown indicates the

charge remaining in the battery. When the radio battery meter shows one segments, the radio chirps periodically (Low Battery Alert). In

pattery low status, the radio will sound the alert every 10 minutes or

2. With the back of the radio facing you, lift the battery cover latch up

3. Remove each of the three AA NiMH rechargeable battery by pulling

Be careful when removing NiMH batteries. Do not use sharp or

(3)

3. Press the PTT button or who button to exit the weather menu set up.
4. Press and hold button for 3 seconds to return to two-way mode. If you activate Weather Alert and return to two-way mode the

Note: When the weather channel is activated, either manually or after

mode will automatically revert back to two-way mode.

(MHZ)

162.550

162.400

162.475

162.425

162.450

162.500

receiving an alert, and no buttons are pressed for 5 minutes, the weather

As with two-way radio reception, weather channel reception depends on

outdoors. Because weather channels are transmitted without codes, they

may contain static or noise. Weather Alert will not function while actively

WEATHER CHANNELS AND FREQUENCIES

Weather Chann

WX7

WX8

WX9

WX10

WX11

(MHZ)

162.525

161.650

161.775

161.750

162.000

how close you are to a transmitter and whether you are indoors or

Note: Remove the battery from radio for storage purposes.

Removing the Three AA NiMH Rechargeable Battery

3. Insert the three AA NiMH battery with + and - polarity as shown inside.

Installing the Three AA NiMH Rechargeable Battery

Battery Meter

Take the belt clip off.

and remove the cover.

Radio Battery Meter

4. Close the battery cover firmly.

after releasing the PTT button.

and remove the cover

icon will display.

the ribbon attached to the radio.

 $Press(\blacktriangle)or(\blacktriangledown)$ button to select On/Off.

transmitting or receiving in two-way mode.

4. Close the battery cover firmly.

Weather Alert

conductive tools to remove either of these batteries.

permanent damage to your radio.

Battery Capacity Maintenance

Using the Micro-USB Charger

attempt to charge alkaline batteries.

about 20 minutes).

1. Make sure your radio is turned OFF

· Remove the batteries before storing your radio for extended

periods of time. Batteries corrode over time and may cause

(carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries.

. Charge the NiMH batteries once every 3 months when not in use

The micro-USB charger is a handy port that allows you to convenient charge your NiMH battery. Use certified adaptor(5V, \geqslant 1A). Do not

2. Plug the micro-USB cable into the micro-USB charging port on your

radio. Connect the other end of the micro-USB charger to wall power

3. The battery meter on LCD will move to indicate the battery is charging.

• When moving between hot and cold temperatures, do not charge the

NiMH batteries until the battery temperature acclimates (usually

For optimal battery life, remove the radio from the charger within 16

Turning your Radio On and Off

1. Press and hold on the () button to turn your radio ON/OFF. In the ON position, the radio chirps and briefly shows all feature icons available

CHANNEL AND FREQUENCIES

(MHZ)

467.662

467.6875

467.7125

462.5500

462.575

462,6000

462.625

462.6500

462.675

462.7000

462.7250

0.5W

2W

2W

2W

Model RT49
This FRS device is approved for USA and Canada

2W

2W

2W

2W

2W

0.5W

0.5W

0.5W

0.5W

(12)

Warranty Card

___ contact number: _

Zip code:

Product model: _____ Date of purchase: ___

Username: _____contact number: ___

The warranty card is saved by the customer as the warranty certificate, and the loss is not compensated.

2. This card must be stamped and dated for sale to take

3. This card must not be altered. Please confirm that the

warranty card serial number matches the purchase

4. The warranty period is one year. Chargers, batteries, headphones, antennas and feeders are consumables,

5. Users can choose the following ways to get repair

b. Our company is in the local special maintenance point

machine number, otherwise it will be invalid.

Warranty description:

not covered by warranty

a. At the original purchase office.

21

22

462.5625

462.5875

462.612

462.6375

462,662

462.6875

462.712

467.5625

467.5875

467.6125

467.6375

hours. Do not store the radio while connected to the charger.

• It is recommended to power OFF your radio while charging.

2. Before placing the radio in storage, remove the battery.

humidity. Avoid damp conditions and corrosive materials.

Do not mix old and new batteries and Do not mix alkaline, standard

in the air bag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag inflates.

To reduce risk

- $\,$ Pull by the plug rather than the cord when disconnecting the charger.
- Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
- · Contact Retevis for assistance regarding repairs and service. The adapter shall be installed near the equipment and shall
- be easily accessible Approved Accessories · This radio meets the RF exposure guidelines when used

with the Retevis accessories supplied or designated for the product. Use of other accessories may not ensure compliance with the RF exposure guidelines and may violate regulations. For a list of Retevis-approved accessories for your radio

model, visit the following website: http://www.Retevis.com

(19)

2. The display screen then shows the current channel, code and all features that are enabled. The radio is in Two-Way mode.

permanently on screen.

Setting the Volume Press and hold (Mon) button for three seconds to listen to volume level. I. First press either ♠ or ♥ to trigger volume change. You will see

current volume level on screen.

 Press(▲)to increase the volume. Press(▼)to decrease the volume. B. When the volume reached level 0 the mute **▼**icon appears

3. Store the NiMH batteries in temperature between -20 °C to 35 °C and in low Do not hold the radio close to your ear. If the volume is set to an ncomfortable level. it could hurt your ear

TALKING AND LISTENING

To communicate, all radios in your group must be set to the same channel and Interference Eliminator Code

. To talk, press and hold the PTT button. When transmitting, the icon is shown.

. When you are finished talking, release the **PTT** button.

3. When receiving, the 🕹 icon is shown. or maximum clarity, hold the radio 2 to 3 centimeters away from your mouth and speak directly into the microphone. Do not cover the

Talk Range Your radio is designed to maximize performance and improve transmission

nicrophone while talking.

range. Do not use the radios closer than five feet apart.

Monitor Button

Press and hold button for 3 seconds to enter monitor mode and listen for weak signals on the current channel. You can also listen to the volume level of the radio when you are not receiving. This allows you to (5)

WARNING

energy awareness and control for compliance with

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR

PORTABLE TWO-WAY RADIOS Before using this radio, read this guide which contains important operating instructions for safe usage and RF

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage All Retevis two-way radios are designed, manufactured, and tested to nsure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of two-way radios. These instructions are mportant because they inform users about RF energy exposure and

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits:http://www.who.int/en/ **Local Government Regulations**

When two-way radios are used as a consequence of employment, the

to control their exposure to meet occupational requirements. Exposure

control your RF exposure and to satisfy compliance requirements.

ocal Government Regulations requires users to be fully aware of and able

provide simple procedures on how to control it.

awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Retevis two-way radio has a RE Exposure Product Label. Also your Retevis user manual or separate safety booklet includes information and operating instructions required to

Governments keep the radios in classification, business two-way radios (13)

Shenzhen Retevis Technology Co., Ltd







