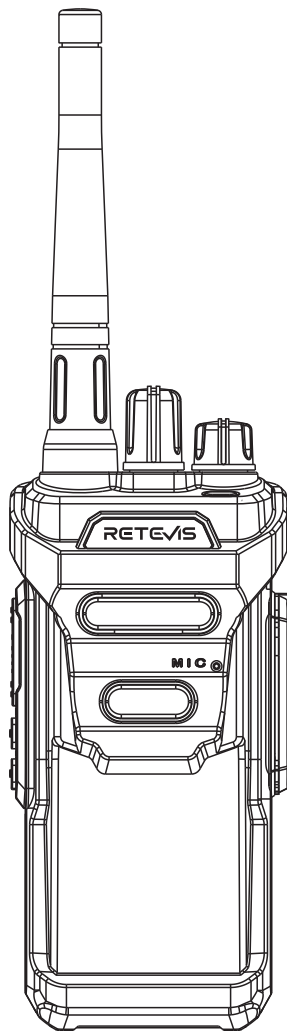


RETEVIS



RT48H

USER'S MANUAL

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For downloading further resources: Brochures, Software/Firmware, Manual etc, Please contact your direct reseller first OR go to website retevis.com and check “support” in the each product link to download it.

To Users

Welcome to choosing our company's two-way radio. We believe this two-way radio will bring great convenience to your life and work. This two-way radio incorporates advanced technology, and we hope its quality and functionality will satisfy you, providing you with convenient, fast, and reliable two-way voice communication.

Get Familiar with the Device

Built-in Display Screen
Channel Adjustment
Low Battery Alert
Transmission Time Limit
Busy Channel Lockout
Monitor Function
Scan Function
Alarm Function
Power Switching
VOX Function
Channel Lock Function
Compatibility Mode
One-key CTCSS/DCS On/Off
One-key Switching

Important Notice to Users

- Please read this manual thoroughly before using the device.
- Use of this wireless two-way radio must comply with local government regulations. Improper use may result in legal consequences, including fines or imprisonment.
- Maintenance and adjustments to this two-way radio should only be performed by authorized service personnel.
- To avoid issues related to electromagnetic interference or electromagnetic compatibility, please turn off the two-way radio in areas marked with "Turn Off Two-Way Radios" signs, such as hospitals and other healthcare facilities. When flying, turn off the two-way radio when instructed by the flight crew.
- Do not place the two-way radio in areas where an airbag may deploy when inside a vehicle equipped with airbags.
- Turn off the two-way radio before entering flammable or explosive environments.
- Avoid prolonged transmission as the two-way radio may overheat, causing burns or damage to the device.
- Do not use the two-way radio with a damaged antenna as it may cause minor burns upon contact with the skin.
- Avoid prolonged exposure to direct sunlight or placing the device near heating devices.

- If wearing the portable two-way radio on your body, ensure the antenna is at least 5 centimeters away from your body during transmission.
- If you detect an unusual odor or smoke coming from the two-way radio, immediately remove the battery and contact our company or a local dealer promptly.

Unboxing Inspection

Before use, please open the packaging box and carefully inspect the main unit and included accessories. If any items are missing or damaged during transportation, please contact the delivery person or dealer immediately.

Applicable Battery Types

Please use only batteries specified by our company for charging. Using other batteries may result in explosions, causing personal injury.

Safety Precautions:

Do not overcharge the battery pack!

If the battery pack does not finish charging within the specified 4 hours, stop charging. Overcharging may cause the battery pack to overheat, smoke, burst, or suddenly catch fire.

Do not place the battery pack in a microwave oven or high-pressure container!

Doing so may cause the battery pack to overheat, smoke, burst, or suddenly catch fire.

Do not place a cracked or leaking battery pack near fire!

If the battery pack leaks or emits a pungent odor, immediately move it away from flammable areas. The electrolyte in the battery pack is flammable and may cause overheating, smoking, bursting, or sudden ignition.

Do not use abnormal battery packs!

If the battery pack emits a pungent odor, appears discolored, deformed, or behaves abnormally for any reason, remove it from the charger or device and do not use it.

Use only the dedicated charger

The charger is specifically designed for this model of two-way radio, ensuring scientific, reasonable, safe, and reliable charging of the battery.

Before using the battery

Charge the battery before use. To prevent battery discharge, remove the battery if the two-way radio is not used for 12 hours and store it in a cool, dry place for long-term storage.

Battery Characteristics

Battery capacity gradually decreases after repeated charging and discharging cycles, and batteries will also age even if not used. Charging the battery in a cool, dry place will take longer. Charging in a hot place will shorten the battery's lifespan. Storing the battery in a hot environment will accelerate aging. Do not leave the battery in a vehicle or near any heating device. If the battery's lifespan shortens, replace it promptly. Continuing to charge and discharge may cause battery leakage.

Charging Operation Steps

Note: Turn off the two-way radio during charging.

1. Base Charger Charging: Insert the battery or the two-way radio with the battery into the desk charger, ensuring good contact between the battery contacts and the charger contacts. The red light on the desk charger will remain on, indicating charging is in progress. When the red light turns off and the green light turns on, the battery is fully charged. Unplug the charger from the socket and remove the battery.
2. Type-C Charging: Use a standard output DC 5V/2A charger. Insert the Type-C charging cable into the Type-C port. The battery pack indicator light will remain red, indicating charging is in progress. When the green light remains on, the battery is fully charged. Unplug the charging cable and charger.

Accessory Installation

Note:

1. Do not short-circuit the battery pack or throw it into a fire.
2. Do not attempt to disassemble the battery pack casing.
3. Do not install the battery in hazardous environments as it may produce sparks and cause an explosion.

Installing/Removing the Battery

Installing the Battery Pack: Insert the top ends of the battery pack into the two grooves at the top of the two-way radio, then press down on the battery pack until you hear a "click" sound.

Removing the Battery Pack: Ensure the two-way radio is turned off, then lift the battery latch at the bottom of the two-way radio and remove the battery from the device.

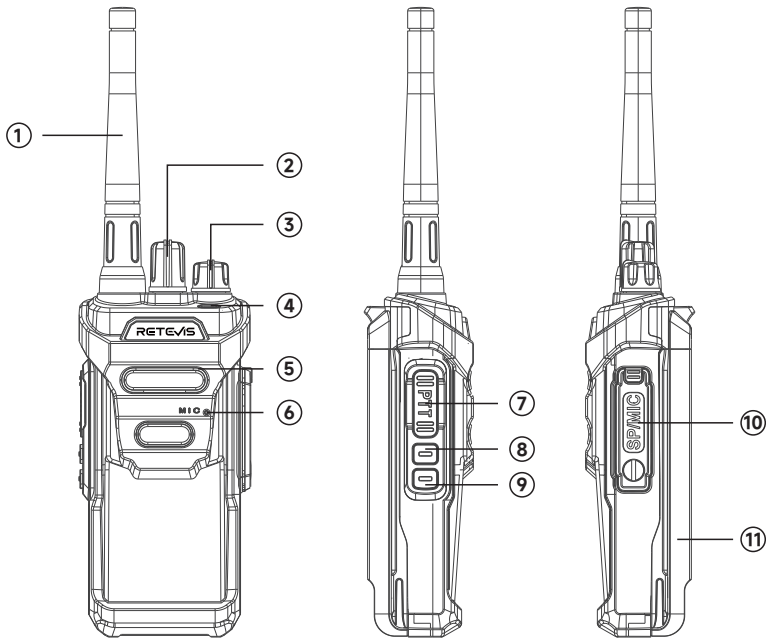
Installing/Removing the Belt Clip

If necessary, lock the included belt clip into the screw hole on the back of the battery pack for convenient carrying. To remove the belt clip, simply unscrew the two screws.

Installing the Two-Way Radio Lanyard

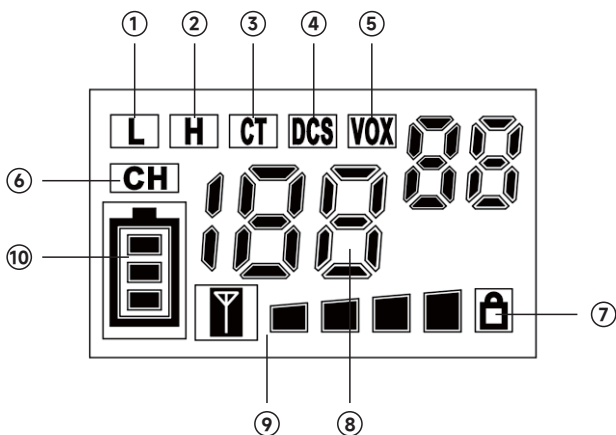
Thread the two-way radio lanyard through the ring in the middle of the device.

Get Familiar with the Device



- | | | | |
|-------------------|-----------------|----------------------|--------------------|
| 1. Antenna | 2. Channel Knob | 3. Power/Volume Knob | 4. Indicator Light |
| 5. Speaker | 6. Microphone | 7. PTT Button | 8. PF1/Side key 1 |
| 9. PF2/Side key 2 | 10. SP/MIC | 11. Battery Pack | |

Built-in Screen Display



Character Descriptions

NO.	Character	Description
1	L	Low Power
2	H	High Power
3	CT	CTCSS
4	DCS	DCS
5	VOX	VOX
6	CH	Channel Number
7		Key Lock/Channel Lock
8		Channel Number Display/Device Serial Number Display
9		Signal Strength Indicator for RX/TX
10		Battery Level Icon

Key Functions

1. [PTT] Button ((Transmission Button)

Transmit/Receive switch button: Press this key for transmission and speak into the microphone. Release the key for reception.

2. Side Key (PF1)

Short Press: None, Monitor, Scan, Alarm, Power Switching, Voice Control, Channel Lock.

Long Press: None, Monitor, Scan, Alarm, Power Switching, Voice Control, Channel Lock.

3. Side Key (PF2)

Short Press: None, Monitor, Scan, Alarm, Power Switching, Voice Control, Channel Lock.

Long Press: None, Monitor, Scan, Alarm, Power Switching, Voice Control, Channel Lock.

Basic Operations and Function Descriptions

Power On/Off & Volume Adjustment

Turn the volume knob potentiometer clockwise until you hear a "click" sound, and the walkie-talkie will emit a "beep" tone, indicating that the power is on. Continue turning it clockwise to gradually increase the volume, and turn it counterclockwise to gradually decrease the volume. When you hear a "click" sound, it means the power is off.

Communication

Press and hold the PTT key. The indicator light turns red, and the internal digital display shows the transmit/receive signal strength. Speak into the microphone hole at this time, and the other party will hear your message. Release the PTT key to receive the other party's message. While receiving, the internal digital display shows the transmit/receive signal strength, and the green indicator light turns on.

Channel Adjustment

Turn the channel knob clockwise to increase the channel number and counterclockwise to decrease it.

Low Battery Voltage Alert

When the walkie-talkie emits a voice prompt "Please charge" and the indicator light flashes red, it indicates that the battery voltage is lower than the operating voltage. Please charge the walkie-talkie battery.

Transmission Time Limit

To prevent the walkie-talkie from occupying the channel for too long and avoid damage caused by long-term ($\leq 180\text{S}$) transmission, when the transmission time limit is exceeded, the walkie-talkie will stop transmitting and continuously emit a "beep" tone until the PTT key is released, and the walkie-talkie enters the receiving state.

Busy Channel Lock

After enabling the busy channel lock function, if you press the PTT key while receiving a signal, transmission will be prohibited, and a prohibited transmission tone will be generated until the PTT key is released.

Monitor On/Off

Normal Monitoring: Short-press the PF1/PF2 key set with the monitoring function to activate the normal monitoring mode. It monitors whether anyone is talking on the selected channel. If not, a "rustling" sound will be heard. Press any key to turn off the normal monitoring function.

Transient Monitoring: Long-press the PF1/PF2 key set with the monitoring function to activate the transient monitoring mode. It monitors whether anyone is talking on the selected channel. If there is no signal, a "rustling" sound will be heard until the PF1/PF2 key is released to stop the transient monitoring function.

Scan On/Off

Short-press or long-press the PF1/PF2 key set with the scanning function. When you hear a "beep" sound, the scanning function is activated, and the green light flashes. The scanning starts, and the internal display screen shows the preset channel numbers to be scanned one by one according to the scanning addition rules. When a signal is received, the machine exits the scanning mode and emits a sound. After receiving the signal, the machine automatically re-enters the scanning mode. Short-press or long-press the PF1/PF2 key again. When you hear two "beep" sounds, the scanning function is turned off.

Alarm Function On/Off

Select the desired alarm mode. Short-press or long-press the PF1/PF2 key set with the local alarm function. If it is a local alarm, the local unit will sound a siren. If it is a remote alarm, the local unit will sound a siren and transmit an alarm signal. The receiving unit will also sound a siren when it receives the signal. Both modes can be canceled by pressing the PTT button.

Power Switching

Short-press or long-press the PF1/PF2 keys, which are set for high/low power switching. Press the key to toggle between high and low power. When you hear a single "beep" and the internal display shows the "L" indicator, it means you have switched to low power. When you hear two "beeps" and the internal display shows the "H" indicator, it means you have switched to high power.

VOX On/Off

Short-press or long-press the PF1/PF2 key set with the VOX function. When you hear a "beep" sound and the unit broadcasts "1", and the internal display screen shows the

"VOX" logo, it indicates that the function is activated. Each press increases the VOX level by one, and the current level number is broadcast. After broadcasting "9", if you press it again and hear two "beep" sounds, and the "VOX" logo on the internal display screen disappears, it indicates that the function is turned off.

Channel Lock

Short-press or long-press the PF1/PF2 key set with the channel lock function. When you hear a "beep" sound, and the internal display screen shows a specific logo (not specified in the original text), it indicates that the channel lock function is activated. Press it again, and when you hear two "beep" sounds, the specific logo on the internal display screen disappears, and the current channel number is broadcast, indicating that the channel lock function is turned off.

Compatibility Mode

1. Tune the transmitter to Channel 1 and turn off the power. Long-press the PF1 + PTT keys for 3 seconds while simultaneously turning on the power, and continue to hold the PF1 + PTT keys for more than 1 second. When you hear three "beep" sounds, and the indicator light flashes red three times following the broadcast, it enters the compatibility transmission mode.

2. Tune the receiver to Channel 2 and turn off the power. Long-press the PF1 + PTT keys for 3 seconds while simultaneously turning on the power, and continue to hold the PF1 + PTT keys for more than 1 second. When you hear three "beep" sounds, and the indicator light flashes green three times following the broadcast, it enters the compatibility receiving mode.

- Press the PTT key on the transmitter once, and the red light flashes, indicating that data is being transmitted. The unit will automatically exit this mode after restarting.
- The green light on the receiver flashes alternately, indicating that data is being received. When the receiver finishes receiving the data, it will broadcast the channel number with two "beep" sounds and automatically exit the compatibility receiving mode.

One-Key CTCSS On/Off

1. Turn off the walkie-talkie power. Hold down the PF2 + PTT keys for 3 seconds while simultaneously turning on the power. You will hear a "beep" sound, and the red light flashes three times, temporarily turning off the CTCSS.

2. Turn off the walkie-talkie power. Hold down the PF2 + PTT keys for 3 seconds while simultaneously turning on the power. You will hear two "beep" sounds, and the green light flashes three times, turning on the CTCSS.

One-key Switching

Turn off the walkie-talkie's power. Press and hold the PF2 key for more than 3 seconds while simultaneously turning on the power. A single "beep" indicates a successful switch, changing from Channel 22 to Channel 16. Turn off the walkie-talkie's power again, press

and hold the PF2 key for more than 3 seconds while simultaneously turning on the power. Two "beeps" indicate a successful switch, changing from Channel 16 to Channel 22.

CTCSS QT/DCS DQT

When a channel is set with a CTCSS or DCS signaling, the speaker will only open when it matches the same CTCSS. If different QT/DQT are used for calling on the same channel, the speaker will not open, and only the green light will be on. There are 50 groups of CTCSS and 210 groups of DCS (105 groups in the forward direction and 105 groups in the reverse direction). The list is as follows:

CTCSS/DCS List

CTCSS CHART (Hz)									
Number	Frequency	Number	Frequency	Number	Frequency	Number	Frequency	Number	Frequency
1	67	11	94.8	21	131.8	31	171.3	41	203.5
2	69.3	12	97.4	22	136.5	32	173.8	42	206.5
3	71.9	13	100	23	141.3	33	177.3	43	210.7
4	74.4	14	103.5	24	146.2	34	179.9	44	218.1
5	77	15	107.2	25	151.4	35	183.5	45	225.7
6	79.7	16	110.9	26	156.7	36	186.2	46	229.1
7	82.5	17	114.8	27	159.8	37	189.9	47	233.6
8	85.4	18	118.8	28	162.2	38	192.8	48	241.8
9	88.5	19	123	29	165.5	39	196.6	49	250.3
10	91.5	20	127.3	30	167.9	40	199.5	50	254.1

DCS CODE LIST									
Number	Code	Number	Code	Number	Code	Number	Code	Number	Code
1	D023N	9	D051N	17	D114N	25	D143N	33	D174N
2	D025N	10	D053N	18	D115N	26	D145N	34	D205N
3	D026N	11	D054N	19	D116N	27	D152N	35	D212N
4	D031N	12	D065N	20	D122N	28	D155N	36	D223N
5	D032N	13	D071N	21	D125N	29	D156N	37	D225N
6	D036N	14	D072N	22	D131N	30	D162N	38	D226N
7	D043N	15	D073N	23	D132N	31	D165N	39	D243N
8	D047N	16	D074N	24	D134N	32	D172N	40	D244N

Number	Code	Number	Code	Number	Code	Number	Code	Number	Code
41	D245N	75	D455N	109	D031I	143	D226I	177	D446I
42	D246N	76	D462N	110	D032I	144	D243I	178	D452I
43	D251N	77	D464N	111	D036I	145	D244I	179	D454I
44	D252N	78	D465N	112	D043I	146	D245I	180	D455I
45	D255N	79	D466N	113	D047I	147	D246I	181	D462I
46	D261N	80	D503N	114	D051I	148	D251I	182	D464I
47	D263N	81	D506N	115	D053I	149	D252I	183	D465I
48	D265N	82	D516N	116	D054I	150	D255I	184	D466I
49	D266N	83	D523N	117	D065I	151	D261I	185	D503I
50	D271N	84	D526N	118	D071I	152	D263I	186	D506I
51	D274N	85	D532N	119	D072I	153	D265I	187	D516I
52	D306N	86	D546N	120	D073I	154	D266I	188	D523I
53	D311N	87	D565N	121	D074I	155	D271I	189	D526I
54	D315N	88	D606N	122	D114I	156	D274I	190	D532I
55	D325N	89	D612N	123	D115I	157	D306I	191	D546I
56	D331N	90	D624N	124	D116I	158	D311I	192	D565I
57	D332N	91	D627N	125	D122I	159	D315I	193	D606I
58	D343N	92	D631N	126	D125I	160	D325I	194	D612I
59	D346N	93	D632N	127	D131I	161	D331I	195	D624I
60	D351N	94	D645N	128	D132I	162	D332I	196	D627I
61	D356N	95	D654N	129	D134I	163	D343I	197	D631I
62	D364N	96	D662N	130	D143I	164	D346I	198	D632I
63	D365N	97	D664N	131	D145I	165	D351I	199	D645I
64	D371N	98	D703N	132	D152I	166	D356I	200	D654I
65	D411N	99	D712N	133	D155I	167	D364I	201	D662I
66	D412N	100	D723N	134	D156I	168	D365I	202	D664I
67	D413N	101	D731N	135	D162I	169	D371I	203	D703I
68	D423N	102	D732N	136	D165I	170	D411I	204	D712I
69	D431N	103	D734N	137	D172I	171	D412I	205	D723I
70	D432N	104	D743N	138	D174I	172	D413I	206	D731I
71	D445N	105	D754N	139	D205I	173	D423I	207	D732I
72	D446N	106	D023I	140	D212I	174	D431I	208	D734I
73	D452N	107	D025I	141	D223I	175	D432I	209	D743I
74	D454N	108	D026I	142	D225I	176	D445I	210	D754I

Factory Frequency

Number	RX frequency	TX frequency	Infra-acoustic frequency	Power
1	462.5625	462.5625	67.0	High
2	462.5875	462.5875	118.8	High
3	462.6125	462.6125	127.3	High
4	462.6375	462.6375	131.8	High
5	462.6625	462.6625	136.5	High
6	462.6875	462.6875	141.3	High
7	462.7125	462.7125	146.2	High
8	467.5625	467.5625	D243N	Low
9	467.5875	467.5875	D032N	Low
10	467.6125	467.6125	D047N	Low
11	467.6375	467.6375	D051N	Low
12	467.6625	467.6625	D053N	Low
13	467.6875	467.6875	D065N	Low
14	467.7125	467.7125	D116N	Low
15	462.5500	462.5500	123.0	High
16	462.5750	462.5750	D743I	High
17	462.6000	462.6000	D332I	High
18	462.6250	462.6250	127.3	High
19	462.6500	462.6500	D243I	High
20	462.6750	462.6750	D606N	High
21	462.7000	462.7000	D731I	High
22	462.7250	462.7250	136.5	High

Factory Frequency

Frequency Range	FRS
Channels	22
Audio Distortion	<5%
Frequency Stability	±2.5ppm
Maximum Frequency Deviation	≤2.5KHz
Spurious Radiation	≤7uW

Modulation Mode	FM
Reference Sensitivity	$\leq 0.25\mu\text{V}/0.3\mu\text{V}$
Squelch Activation Sensitivity	$\leq 0.2\mu\text{V}/0.25\mu\text{V}$
Transmit Power	2W
Adjacent Channel Selectivity	$\geq 65\text{dB}$
Spurious Response Rejection	$\geq 70\text{dB}$
Intermodulation	$\geq 60\text{dB}$
Current	$\leq 1.4\text{A}$
Operating Voltage	3.7V DC

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.

FCC Compliance information

1. 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);

2. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

3. **Note:** This equipment has been tested and found to comply with the limits for a Class B digital device. 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.

4. ISD Compliance information. Licence-exempt radio apparatus.

5. This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that all electrical and electronic products, batteries, or accumulators must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws and rules in your area.



RF Safety

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. 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/>

Transmit no more than the rated duty factor 50% of the time. Transmitting necessary information or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance. For users who wish to further reduce their exposure, some effective measures to reduce RF exposure include:

- Reduce the amount of time spent using your wireless device.
- Use a speakerphone, earpiece, headset, or other hands-free accessory to reduce proximity to the head (and thus head exposure). While wired earpieces may conduct some energy to the head and wireless earpieces also emit a small amount of RF energy, both wired and wireless earpieces remove the greatest source of RF energy (handheld device) from proximity to the head and thus can greatly reduce total exposure to the head.
- Increase the distance between wireless devices and your body.

Hand-held Mode

This radio is designed for and classified as “General population/uncontrolled use”. General population/uncontrolled environments are defined as locations where there is exposure of individuals who have no knowledge or control of RF exposure level.

To control your exposure and ensure compliance with the controlled environment exposure limits, always adhere to the following procedure:

- To receive calls, release the PTT button.
- To transmit (talk), press the Push-to-Talk (PTT) button in front of the face.
- Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least one inch (2.5 centimeters) away from the nose or lips.



Electromagnetic Interference/Compatibility

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if

inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. 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, such as hospitals or healthcare facilities. Persons with pacemakers, implantable cardioverter defibrillators (ICDs) or other active implantable medical devices should:

- 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 to interference).
- Turn the radio OFF immediately if there is any reason to 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 the body from the implantable device to minimize the potential for interference.

Hearing Aids: Some 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.

Other Medical Devices: 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 you in obtaining this information.

Turn off your radio in the following conditions:

Turn off your radio prior to entering any area with a potentially hazardous or explosive atmosphere. Only radio types that are especially qualified should be used in such areas as “Intrinsically Safe”.

Note: the areas with potentially explosive atmosphere referred to above include blasting caps, blasting areas, inflammable gas, dust particles, metallic powders, grain powders, fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles (such as grain, dust or metal powders) and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often – but not always posted.

Use of Communication Devices While Driving

- Always check the laws and regulations on the use of radios in the areas where you drive. Use of Communication Devices, for example, mobile radio, may not be allowed.
- Give full attention to driving and to the road.
- 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.
- Do not place a portable radio in the area over an air bag or 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.

Protect your hearing

CAUTION: Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.

- Use the lowest volume necessary to do your job. Turn up the volume only if you are in noisy surroundings.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.
- Use carefully with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss.

Batteries Safety

- The battery supply terminals are not to be short-circuit.
- Dirty battery contacts need to be wiped with clean dry cloth, both on the battery and in the appliance.
- Exhausted batteries are to be removed from the equipment.
- Do not dismantle, open or shred batteries. Batteries should be dismantled only by trained people.
- Batteries shall be charged at 10°C~40°C environment temperature specified. If the environment temperature is lower than 0°C, the charge shall be prohibited.
- Rechargeable batteries are only to be charged by adults.
- Charging should only take place in a well ventilated area and when someone is about to be aware and react to a potential issue. To reduce risk of fire, a battery should not be charged for more than 4 hours and disconnect charger from line voltage (AC outlet) by removing main plug even if the batter is not completely charged. Don't leave a device unattended while charging. Disconnect the charger when the device is fully charged: do not overcharge the device.

WARNING: CHOKING HAZARD—Small Parts.
Not suitable for children under 3 years old.



The plug of the adapter is considered a disconnect device. The socket-outlet shall be installed near the equipment and shall be easily accessible.

Authorized Accessories List

- For a list of Retevis-approved accessories for your radio model, visit the website: <http://www.Retevis.com>
- Contact Retevis for assistance regarding repairs and service.

Guarantee

Model Number: _____

Serial Number: _____

Purchasing Date: _____

Dealer: _____ Telephone: _____

User's Name: _____ Telephone: _____

Country: _____ Address: _____

Post Code: _____ Email: _____

Remarks:

- 1.This guarantee card should be kept by the user, no replacement if lost.
- 2.Most new products carry a two-year manufacturer's warranty from the date of purchase. Further details, pls read <http://www.retevis.com/after-sale/>
- 3.The user can get warranty and after-sales service as below:
 - Contact the seller where you buy.
 - Products Repaired by Our Local Repair Center
- 4.For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

Exclusions from Warranty Coverage:

- 1.To any product damaged by accident.
- 2.In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
- 3.If the serial number has been altered, defaced, or removed.



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E-mail: info@retevis.com

Facebook: [@retevis.fans](https://www.facebook.com/retevis.fans)



Made in China

说明书印刷要求:

尺寸:145*210mm

样式:钉装

印刷:黑色

印刷封面封底内页为空白,

质保卡为单独一页

纸张:封面封底铜版纸

内页双胶纸

此面不用印刷