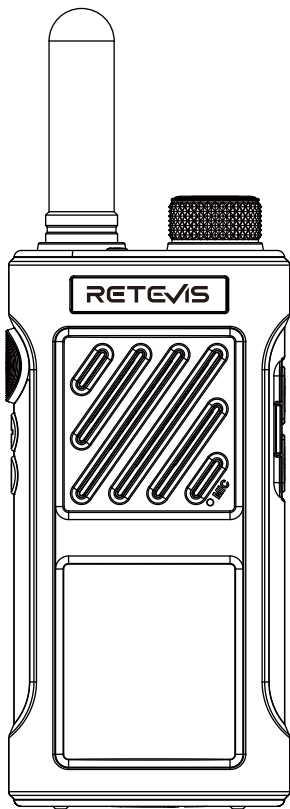


RETEVIS



RB66P
Two Way Radio
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.

WARNING

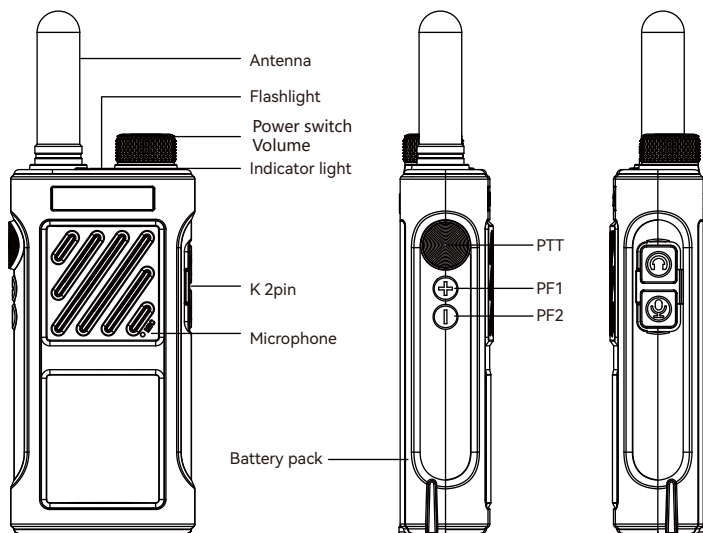
Please read this manual carefully before using the walkie-talkie.

- Do not charge this walkie-talkie in flammable, explosive, or radio communication is prohibited areas (such as gas stations, airports, etc.).
- Do not use this walkie-talkie without a license in areas prohibited by law.
- Please keep the walkie-talkie out of sunlight and avoid placing it near any heating equipment.
- Please keep the walkie-talkie away from any dusty, humid, and splashing places.
- If you smell an unpleasant odor or smoke coming out of the walkie-talkie, please remove the battery pack from the walkie-talkie immediately and contact the nearest dealer.
- The maintenance of this walkie-talkie is the responsibility of professional technicians. Self-disassembly is strictly prohibited.

Charging Caution:

- Please use the charging base that matches this model to charge.
- Make sure the walkie-talkie is turned off when charging.
- For the best battery performance, please charge for at least 5 hours for the first time.
- Do not charge the battery pack for more than 12 hours, otherwise, it will shorten the battery life, even if the indicator light shows that the battery is not fully charged. When the battery is fully charged, please unplug the plug in time to stop charging.
- This charger only charges the battery pack of this product. Do not charge other battery pack, or else it will cause damage to the charger and battery pack.
- After the battery pack is fully charged, place it in cool, dry areas. Keep away from the fire source and do not expose it to the sun, or else there will be safety hazards.
- Do not use this walkie-talkie for transmission when it is charging.
- During the charging process, the battery pack will be slightly hot, which is normal.

Familiar with this walkie-talkie



Number	Item	Function
1	Antenna	Send and receive wireless signals
2	Indicator light	Indicates working status
3	Power switch/Volume	Power on-off/Volume adjustment
4	Flashlight	Lighting Press "PF2" for three seconds
5	Mic	Voice input
6	PTT	Transmit voice message
7	PF1/PF2	Channel switching
8	K 2pin	Headphone/Read/Write frequency

Charging Mode:

When the walkie-talkie is charged through the Type-C interface, the indicator light on the walkie-talkie is red. When the walkie-talkie is fully charged, the indicator light turns green.

When the walkie-talkie is plugged into the charging base for charging, the indicator light on the charging base is red. When the walkie-talkie is fully charged, the indicator light turns green.

Function Instructions and Operations

1. Function usage and operations

1.1 ON/OFF

Rotate the volume knob clockwise and hear a "click" sound, which means the power is on. Rotate the volume knob counterclockwise and hear a "click" sound, which means the power is off.

1.2 One key pairing

Mode 1: After the walkie-talkie A is turned to channel 1, press and hold the "Channel +" button, walkie-talkie A enters mode 1, and the blue light will flash quickly; The walkie-talkie B transmits to the walkie-talkie A, and the walkie-talkie A will make a "beep" sound when receiving the signal, and the blue light will be on, which means that the one-key pairing is successful. After saving, continue to pair the next channel.

Note: This function is for connecting to other brands' walkie-talkies with the same FRS frequency. After one key pairing is completed, please restart the walkie-talkie, or else the power will be consumed quickly.

Mode 2: If you want to configure all channels of walkie-talkie A to multiple walkie-talkies, tune all walkie-talkies (including walkie-talkie A) to channel 2 and turn off all walkie-talkies. Then press and hold the "Channel +" to turn on the walkie-talkies. The blue light flashes slowly showing the wireless pairing function is on. Meanwhile, press and hold the PPT button on walkie-talkie A to transmit. After releasing the button, the red light is on. The red light turns off shows that all channels have been successfully configured. Restart the walkie-talkies to complete the configuration.

Note: Only the same model and version of walkie-talkies can be paired with one key pairing. One key alarm setting: write frequency software side key "+ / -" is remote alarm function. Long press the side key "+ / -" of the walkie-talkie and hold for 3 seconds to turn on the emergency alarm function, press PTT to turn off this function. Local alarm+remote alarm.

1.3 Chinese and English Voice Broadcast Channel Function

There are 3 types of languages on the writing frequency software voice broadcast column: None, Chinese, and English.

1.4 VOX Function

Set the walkie-talkie on channel 7. After turning off the walkie-talkie, press and hold the side key "+" while turning it on to turn on the VOX function. To turn off VOX, repeat the above steps.

Note: the higher the VOX gain level, the lower the volume required for VOX (the gain level can be selected from 0-9 level)

The longer the VOX delay time is, the longer the VOX exit time will be. (The VOX delay time can be chosen from 0.5/1/1.5/2/2.5/3s.)

1.5 One Key Alarm Function

Set the frequency writing software side key "+ / -" is the one key alarm function. Long press the side key "+ / -" (Default side key "+") on the walkie-talkie and hold for 3 seconds to turn on the one key alarm function. Long press the side key "+ / -" again to turn off the one key alarm function.

1.6 Channel Scanning Function

Set the frequency writing software side key "+ / -" is the channel scanning function. Long press the side key "+ / -" on the walkie-talkie and hold for 3 seconds to turn on the channel scanning function. Long press the side key "+ / -" again to turn off the channel scanning function.

1.7 Non Standard Sub Tone Function

Non standard sub tone includes analog sub tone CT and digital sub tone DCS.

Analog sub tone CT can input any wanted analog sub tone frequency between 58-260HZ.

Digital sub tone DCS can input any wanted digital sub tone between DOOON-D777N and DO01I-D777I.

1.8 Channel Lock Function

Set the frequency writing software side key "+" / "-" is the channel lock function. Long press the side key "+" / "-" on the walkie-talkie and hold for 3 seconds to turn on the channel lock function. Long press the side key "+" / "-" again to turn off the channel lock function.

1.9 Flashlight Lighting Function

Set the frequency writing software side key "+" / "-" is the flashlight lighting function. Long press the side key "+" / "-" on the walkie-talkie and hold for 3 seconds to turn on the flashlight lighting function. Long press the side key "+" / "-" again to turn off the flashlight lighting function.

1.10 Monitoring Function

Set the frequency writing software side key "+" / "-" is the monitoring function. Long press the side key "+" / "-" on the walkie-talkie and hold for 3 seconds to turn on the monitoring function.

2. Factory Settings RB66P FRS

CH NO.	Frequency (MHz)	Code(Hz)	Power
1	462.5625	67.0	High
2	462.5875	118.8	High
3	462.6125	127.3	High
4	462.6375	131.8	High
5	462.6625	136.5	High
6	462.6875	141.3	High
7	462.7125	146.2	High
8	467.5625	D243N	Low
9	467.5875	D032N	Low
10	467.6125	D047N	Low
11	467.6375	D051N	Low
12	467.6625	D053N	Low
13	467.6875	D065N	Low
14	467.7125	D116N	Low
15	462.5500	123.0	High
16	462.5750	D743I	High
17	462.6000	D332I	High
18	462.6250	127.3	High
19	462.6500	D243I	High
20	462.6750	D606N	High
21	462.7000	D731I	High
22	462.7250	136.5	High

3. Technical Index

Frequency Range	FRS
Number of Channels	22
Audio Distortion	<5%
Working Temperature	-20°C+55°C
Antenna Impedance	50Ω
Transmit Power	≤2W
Frequency Stability	±2.5ppm
Maximum Frequency Deviation	±5kHz
Spurious Radiation	TX0.25uW@-36dBm;RX2nW@-57dBm
Modulation Mode	FM
Transmit Current	≤1500mA
Receive Sensitivity	-122dBm
Adjacent channel selectivity	≥60dB
Intermodulation	≥55dB
Working Voltage	DC 3.7V

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

Before using this device, please read this guide which contains important operating instructions for safe usage, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards.

User' instructions should accompany the device when transferred to other users.

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

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

3.2 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.

Licence-exempt radio apparatus

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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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.lug

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.

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.

Hand-held Mode

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.

- Do not use any radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a burn can result.
- Turn off your radio before removing or installing accessories.
- When the transceiver is used for long transmissions, the radiator and chassis will become hot.

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



Protect your hearing

- 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.



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.

Batteries Safety



- WARNING: KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice immediately.
- Since batteries are sensitive to high temperatures when storing them, keep them in a cool and dry place. The recommended temperature should be between +10 °C and +25 °C and never exceed +30 °C. Batteries should therefore not be stored next to radiators or boilers nor in direct sunlight. Extremes of humidity (below 35%

and above 95% relative humidity for sustained periods should be avoided since they are detrimental to both batteries and packing. Although the storage life of batteries at room temperature is good, storage is improved at lower temperatures provided special precautions are taken. Also, accelerated warming is harmful.

Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;

- Turn off your radio before removing or installing a battery. Store spare batteries securely. Dispose of used batteries immediately and safely.
- The battery supply terminals are not to be short-circuit
- Do not replace the battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive atmosphere can cause explosion or fire.
- Batteries should be removed from the appliance when not being used for long periods of time (one months). The batteries should be enclosed in special protective packaging (such as sealed plastic bags or variants) which should be retained to protect them from condensation during the time they are warming to ambient temperature.
- Exhausted batteries are to be removed from the equipment.
- Do not dismantle, open or shred batteries. Batteries should be dismantled only by trained people.
- Disposal of a battery into fire, or a hot oven, or mechanically crushing or cutting of a battery, that can result in explosion;
- Turn off your radio before charging
- Rechargeable batteries are only to be charged by adults or by children at least 8 years old under adult supervision.
- Do not use the charger outdoors or in moist environments, use only in dry locations/conditions.
- Do not disassemble the charger, which may result in a risk of electrical shock or fire. A charger should be dismantled only by trained people

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.

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

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.
 - 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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Made in China