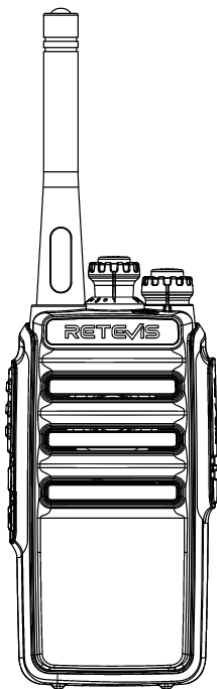


RETEVIS



H777S
User Manual

Contents

Warning.....	1
Getting to Know Your Radio.....	2
Function Operation.....	3
Factory Frequency Tables.....	5
CAUTION.....	6
Guarantee.....	10

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

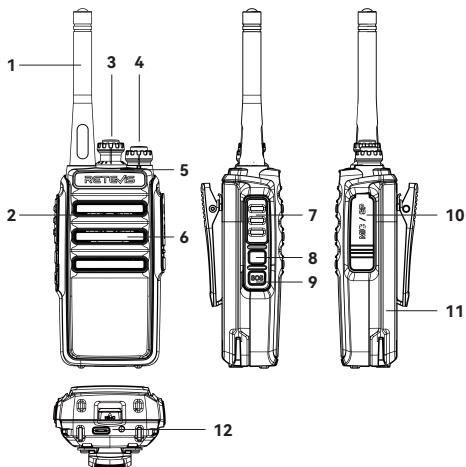
Please read this manual carefully before using this two-way radio.

- Do not use or charge this radio in flammable, explosive, or radio-restricted areas (such as gas stations, airports, etc.).
- Do not operate this radio without a license in areas where it is prohibited by government law.
- Keep the radio away from direct sunlight and do not place it near any heating equipment.
- Keep the radio away from dusty, damp, or splash-prone areas, and do not place it near any heating equipment.
- If the radio emits an unusual odor or smoke, immediately remove the battery pack from the radio and contact your nearest dealer.
- Maintenance of this radio must be performed by qualified technicians only. Unauthorized disassembly is strictly prohibited.

Charging Precautions:

- Use only the charging dock specifically designed for this model.
- When charging the entire unit, ensure the radio is turned off first.
- For optimal battery performance, charge for at least 5 hours during the initial charge.
- Don't fully drain: Aim to recharge when the battery hits about 20% for battery, keeping it above critical levels.
- Don't store batteries empty; charge them to 60-80% for ideal long-term storage to extend storage periods.
- If your device or battery is not used for longer than seven days, please perform regular maintenance checks and recharge the battery periodically to maintain optimal battery levels. Following these guidelines will not only protect battery life but also ensure that devices can return to active duty without issue.
- Eliminating the Risk, keep away from the flammable materials, heat sources and ignition sources while a battery is charged. 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 12 hours and disconnect charger from line voltage (AC outlet) by removing main plug even if the battery 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
- This charger is intended exclusively for charging the battery pack of this product. Do not use it to charge other battery packs, as this may cause damage to both the charger and the battery packs.
- After charging, store the battery pack in a cool, dry place. Do not place it near fire sources or expose it to direct sunlight, as this poses safety risks.
- Do not transmit while the radio is charging.
- The battery pack may become slightly warm during charging; this is a normal phenomenon.

Getting to Know Your Radio



- | | |
|----------------------|--------------------------|
| 1. Antenna | 7. PTT |
| 2. Speaker | 8. Side key |
| 3. Channel Knob | 9. SOS Button |
| 4. Power/Volume Knob | 10. Audio Jack |
| 5. Indicator Light | 11. Battery |
| 6. Microphone | 12. Type-C Charging Port |

Note: The default factory function of the side button is as follows: short press to broadcast battery status voice prompt, long press to activate the VOX function. The side button functions can be customized through the Customer Programming Software (CPS) to enable Monitor/Scan/Channel Lock/Transmission Tail Tone functions. For details, refer to the Function Operation section. Hereinafter, CPS refers to Customer Programming Software.

Function Operation

1、Status Indicator Light

The indicator lights red during transmission (sending) and green during reception.

2、Channel Knob

Turn clockwise to increase the channel number and counterclockwise to decrease. The radio has a total of 16 channels.

3、Power Switch / Volume Controller

Turn clockwise to power on the radio. To power off, turn counterclockwise until a click is heard. Volume can be adjusted by rotating this knob during operation.

4、PTT (Push-to-Talk) Switch

Press the PTT button and speak into the microphone to transmit; the red indicator light will illuminate. Release to receive; when a signal is received, the green light illuminates and the speaker activates.

5、Squelch Level

The squelch level determines the signal strength threshold at which the radio opens and closes reception. The lower the squelch level setting, the easier it is for the radio to receive weak signals, but the weaker its anti-interference capability when enabled. This function is factory-set to Level 5 by default. You can adjust the Squelch Level option within the range of 0 to 9 via the "Optional Features" menu in CPS. At Level 0, squelch is always open; the higher the level, the less likely the squelch will open.

6、Transmission Time-Out Timer (TOT)

The purpose of the transmission time-out timer is to prevent a single radio from occupying the channel for too long and to avoid damage caused by prolonged continuous transmission. If the continuous transmission exceeds the preset time limit (configurable via CPS, range: 0-300 seconds), the radio stops transmitting and emits a warning tone. To stop the warning tone, release the PTT switch, and the radio will return to receive mode.

7、Battery Power-Saving Feature

The power-saving mode can be enabled or disabled via CPS and is enabled by default.

Note:

a. An unchecked box indicates the radio has power-saving mode turned off.

b. A checked box indicates the radio has power-saving mode turned on.

8、Monitor

The side button can be configured as a Monitor button via CPS, allowing you to enable/disable the radio's monitor function.

9、Scan

The side button can be configured as a Scan button via CPS. When scanning is enabled, a voice prompt "Scanning Begin" will be heard.

10、Channel Lock

The side button can be configured as a Channel Lock button via CPS. When toggled on or off, voice prompts "Lock" or "Unlock" will be heard respectively.

11、Transmission Tail Tone

The side button can be configured as a Transmission Tail Tone on/off switch via CPS. You can also enable or disable the transmission tail tone by checking the option in CPS. The default setting for transmission tail tone is off.

12、Busy Channel Lockout

This function is disabled by default. Busy Channel Lockout can be enabled or disabled via CPS. When enabled, pressing PTT while receiving a signal will prevent transmission and emit a "beep" tone until PTT is released.

13、Battery Level Indicator

By default, a short press of the side button announces the current battery level: "Battery voltage one/two/three." Level one represents battery level at 0-30%; Level two represents 40%-60%; Level three represents 70%-100%.

14、VOX

By default, long-pressing the side button activates VOX. The VOX function allows you to transmit without pressing the PTT button, using only your voice to activate transmission. Transmission automatically stops when you stop speaking. Voice prompts "VOX ON/VOX OFF" accompany enabling/disabling. VOX is disabled by default;

a. When the VOX function is enabled on your radio channel, speaking into the microphone automatically activates transmission and sends your voice. When you stop speaking, the radio automatically stops transmitting and waits to receive.

b. When using a headset with a microphone, the VOX gain must be adjusted for the voice control function. Set the VOX gain so that the radio accurately detects your voice level. If the microphone is too sensitive, ambient noise may trigger transmission. If the microphone is not sensitive enough, the radio will not pick up your voice. Ensure proper adjustment of the VOX gain level for smooth communication.

Note: When VOX is enabled and the VOX gain is set to a high sensitivity level, connecting a speaker/microphone to the radio may cause the amplified received signal to trigger transmission.

15、Emergency Alarm

Long-press the SOS button to activate the remote alarm mode. The device and other devices on the same channel will simultaneously emit an alarm sound. Press PTT to exit.

16、Low Battery Warning

When the battery level is too low, a voice alert will be broadcast. This feature is enabled by default and can be disabled via CPS.

17、One-Touch CTCSS/DCS Disable

When the radio is on Channel 3, press and hold the SOS button and PTT button simultaneously while powering on. A voice prompt "On" indicates that the sub-audio (CTCSS/DCS) function is currently enabled. If a voice prompt "Off" is heard, the sub-audio function is currently disabled.

18、CTCSS/DCS

This product supports a total of 260 sub-audio code groups. Via CPS, you can

configure 50 groups of analog CTCSS codes and 105×2 groups (N-phase and I-phase) of digital DCS codes.

Factory Frequency Tables

H777S(FRS)			
Channel	Frequency (MHz)	CTCSS/DCS	Max Power Output
1	462.5625	67.0	2W
2	462.5875	118.8	2W
3	462.6125	127.3	2W
4	462.6375	131.8	2W
5	462.6625	136.5	2W
6	462.6250	127.3	2W
7	462.7250	136.5	2W
8	462.6875	141.3	2W
9	462.7125	146.2	2W
10	462.5500	123.0	2W
11	462.5750	D743I	2W
12	462.6000	D332I	2W
13	462.6500	D243I	2W
14	462.6750	D606N	2W
15	462.7000	D731I	2W
16	462.7250	D462I	2W

CAUTION

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.

Radio License

Governments keep the radios in classification. Two-way radios are only operated on authorized radio frequencies that are regulated by the local radio management departments (such as FCC, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur, and so on.). The detailed classification and the use of your two-way 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.

FCC compliance information

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.

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.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

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 exposure 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 "Occupational/Controlled Use Only".

Occupational/Controlled environments are defined as locations where there is exposure that may be incurred by people who are aware of the potential of exposure, for example, as a result of employment or occupation.

It means a radio must be used only by individuals aware of the hazards, and the ways to minimize such hazards; Not intended for use in a General population/uncontrolled environment.

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 cardiovascular 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 airbag 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.



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.

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

材质：80g双胶纸
尺寸：130×90mm
工艺：风琴折
颜色：单色印刷