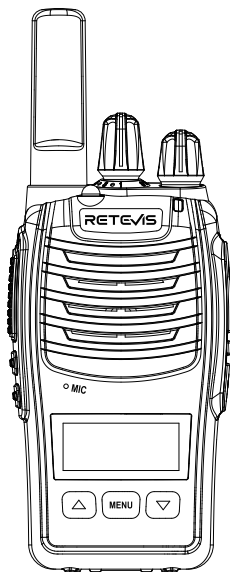


# RETEVIS



## H777D USER'MANUAL

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## Function Overview

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### Charging Instructions (Part One)

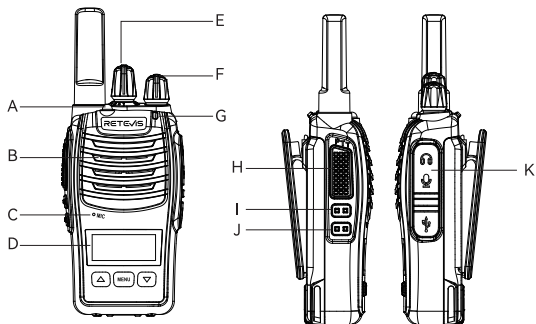
- The li-ion battery is not charged when shipped. Please charge it first in an ambient temperature range of 5-40°C.
- After purchase or long-term storage (exceeding two months), the first charge may not fully saturate the li-ion battery. After two or three cycles of charging and discharging, normal charging performance and battery capacity will be achieved.
- Before charging, please turn off the walkie-talkie with the li-ion battery installed. Do not use the walkie-talkie while charging, as this may affect normal charging and pose a risk of hazard.
- Once the li-ion battery is fully charged, please remove it from the charging cradle (or unplug the USB charging cable from the walkie-talkie). Avoid overcharging for more than 12 hours, which may shorten battery life.
- If the li-ion battery's operating time does not increase even after proper charging, it indicates the end of the battery's lifespan. Please replace or purchase a new li-ion battery.

### Charging Instructions (Part Two)

- First, insert the small output plug of the adapter into the socket on the charger, and then plug the adapter into a 110~220V power source. The charger's green light will illuminate.
  - Insert the li-ion battery or the walkie-talkie with the battery installed into the charging cradle, ensuring proper contact between the battery/walkie-talkie and the charging terminals. The red light will illuminate when charging begins, and it will turn green when fully charged.
- Note: This walkie-talkie can be charged using an optional desktop charger or directly with an adapter. When using the "adapter" for direct charging, first plug the adapter into a 110~220V power source, and then insert the

small output plug of the adapter directly into the USB charging port of the walkie-talkie. The red light on the walkie-talkie will illuminate when charging begins, and it will turn off when fully charged.

## GETTING Familiar



A. LED Torch

B. SPEKER

C. Mic Hole

D. LCD Screen

E. Channel Switch

F. POWER SWITCH/VOLUME CONTROL

G. Led Indicator

H.PTT(PUSH-TO-TALK) BUTTON

I. Side key 1

J. Side key 2

K. SPEAKER/MICROPHONE JACKS

## Basic Operations

### Power/Volume Control

- Turn the power/volume knob clockwise until a "click" is heard to turn on the walkie-talkie, and the screen will display. Turn it counterclockwise until a "click" is heard to turn it off, and the screen will turn off.

- In the on state, turn the volume control to adjust the volume. The VOL on the screen will display the corresponding number of bars.



## **Channel Selection**

- Turn the channel knob clockwise to increase the channel number. When voice prompts are enabled, the current channel will be announced. Turn the knob counterclockwise to decrease the channel number. 1-16 when turning clockwise, 16-1 when turning counterclockwise.
- When a proper signal is received, the receive indicator will light up, and a sound will be heard through the speaker.

## **PTT Button**

While holding the PTT button, keep the microphone 3-8cm away from your lips and speak in a normal voice for optimal transmission quality.

## **Flashlight Function**

Customizable via CPS software: Short/long press the 【side key】 to turn on the LED light, and press the corresponding key again to turn it off.

## **Monitoring Key**

When the side key function is set to monitoring in the CPS software, long press the 【side key】 for 2.5 seconds to enter monitoring mode (indicated by noise), and press the corresponding 【side key】 again to exit.

## **Scanning Function**

The scanning function allows users to search for calls on other channels. When the side key is defined as the scanning function in the CPS software, long/short press the 【side key】 for 2.5 seconds until "On" is prompted, and channels 1-16 will automatically increment to enter scanning mode. The walkie-talkie will start scanning from the current channel and stop when a matching carrier and tone squelch signal is found for communication. If the 【PTT】 button is not pressed or no signal is received within 4 seconds, scanning will resume. To exit scanning mode, long/short press the 【side key】 for 2.5 seconds until "Off" is prompted. (Note: Scanning cannot be performed if fewer than 2 channels are added in the CPS software.)

● "Carrier Scanning": The walkie-talkie stops scanning and remains on the same frequency when a signal is detected, with a 4-second delay before resuming scanning after the signal disappears.

## **Emergency Alarm**

Customizable via CPS software: Long/short press the 【side key】 for 2.5 seconds to activate the alarm, and corresponding walkie-talkies on the same channel will receive the alarm signal and hear the alarm sound. Press the PTT button or the corresponding key to exit.

## **High/Low Power Selection**

High/low power settings can be configured using the computer programming software.

## **VOX Function**

●VOX allows transmission without pressing the PTT button. This function can be enabled through the CPS software. When the VOX level is set, checking the VOX function enables it, while unchecking disables it. (The side key custom function can also set VOX on/off.) In the on state, short/long press the **【side key】** to toggle VOX on or off, and the screen will display VOX.

●The VOX gain level refers to the walkie-talkie's sensitivity to voice input. The gain level can be selected in the CPS software, with options ranging from Off to 9 (9 being the most sensitive).

### **Channel Lock Function**

Customizable via CPS software: Long/short press the **【side key】** for 2.5 seconds to lock the current channel. When enabled, rotating the channel knob will not change the channel. Press the **【side key】** again to cancel the channel lock.

## **Roger Beep Function**

The roger beep can be enabled/disabled in the menu. When enabled, a transmission tail tone will sound after releasing the PTT button. It is disabled by default.

## **Busy Lockout**

This function prevents interference with other walkie-talkies on the same channel. It can be set in the CPS software under channel information as "Yes" or "No". When set to "Yes", if a signal is received on the channel, pressing the PTT button will not initiate transmission, and a "beep" sound will be heard. When set to "No", this will not occur.

## **Battery Saving**

The battery-saving function reduces power consumption by reducing the activity of the receiving circuit when no signal is received, thereby extending the walkie-talkie's battery life. This function can be enabled by checking the "Battery Saving" option in the CPS software.

## **Low Battery Alert**

When the battery level is low and voice prompts are enabled, the walkie-talkie will issue a voice alert. Transmission will be prohibited after the low battery warning, so please replace the battery or charge it promptly.

## **TOT**

The TOT function prevents prolonged use of a channel. The timeout duration can be set via the CPS software (options range from 15 seconds to 180 seconds in 15-second increments). If continuous transmission exceeds the set timeout duration, the walkie-talkie will stop transmitting and emit a warning tone. Release the PTT button to stop the warning tone, and press it again to resume transmission.

## **Analog Tone Squelch (QT) / Digital Tone Squelch (DQT)**

This walkie-talkie offers 50 standard analog CTCSS tones and 208 digital DCS codes to choose from. Additionally, it allows for the setting of non-standard analog CTCSS tones within the range of 58.0~260Hz and non-standard digital DCS codes ranging from D000 to D777 (configurable via computer programming software).

DQT is only effective when set on a channel (QT or no QT/DQT set on the channel is ineffective). This function has "Normal Signaling" and "Special Signaling" options.

Normal signaling refers to using a common code for DQT on the channel, allowing communication with other walkie-talkies with the same digital tone squelch settings.

## **One-Key Pairing**

● Turn the walkie-talkie to channel 1, turn it off, and then hold the UP button while turning it on for approximately 3-5 seconds to enter one-key pairing mode. Transmit from any other walkie-talkie, and once this walkie-talkie receives the signal and can communicate normally, one channel pairing is complete. Switch channels and continue pairing, repeating the process for all channels. Restart the walkie-talkie to complete all pairings and enable mutual communication.

## **Wireless Pairing (Same Model Walkie-Talkies)**

Adjust both sample units to Channel 2, then power off. Hold down the UP button and power on for about 3-5 seconds until the display shows "FSKcopy..". The fast blinking green light indicates the unit has entered wireless pairing mode. Both sample units need to enter wireless pairing mode. Briefly press the PTT button on the transmitter, at which point the red light on the transmitter will stay on, and the green light on the receiver will also stay on (Note: Optimal pairing occurs at a distance of about 2 meters between the transmitter and receiver). The entire pairing process takes about 5 seconds. Once pairing is successful, the receiver will automatically restart.

Note: If the green light on the receiver blinks but does not automatically restart, and the unit remains stuck in pairing mode, it means pairing was unsuccessful. Re-enter pairing mode and try again until pairing is successful.

## **NOAA: U.S. Weather Forecast**

Machine Startup: Press the "MENU" button to enter the menu mode: Select NOAA mode in item 18.

OFF: Turn off the weather alert switch. To access NOAA's 10 channels, you need to enter item 17 in the menu. At this point, if you exit the menu to the main screen, you will not receive weather alert information.

ON: Turn on the weather alert switch. Exit the menu to the main screen.

When a 1050Hz trigger signal is received, it will automatically activate NOAA reception, and "NOAA" will be displayed below the channel on the main screen.

## Technical Specificationsscreen.

### Frequency Allocation (FRS 16H)

CH	Frequency	CTCSS	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 . 6250	127.3	High
7	462 . 7250	136.5	High
8	462 . 6875	141.3	High
9	462 . 7125	146.2	High
10	462 . 5500	123.0	High
11	462 . 5750	D743I	High
12	462 . 6000	D332I	High
13	462 . 6500	D243I	High
14	462 . 6750	D606N	High
15	462 . 7000	D731I	High
16	462 . 7250	D462I	High

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.

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.

#### FCC Compliance Information

3.1.1 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);

3.1.2 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, and

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

For the intended country of use, please refer to the package. 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

- 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.

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.



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 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.

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.

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.

- 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.

**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. 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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MADE IN CHINA