

Two-Way Radio

FRS Radio



T10 User Manual

This set includes 2 walkie-talkie units: these are communication devices which operate on mobile radio frequencies. They come with 22 FRS channels as well as a back-lit LCD screen, enabling you to communicate over several kilometer free-of-charge (up to 5 mile in open areas).

Note: Please read the user instructions carefully before using the equipment and keep them for future reference.

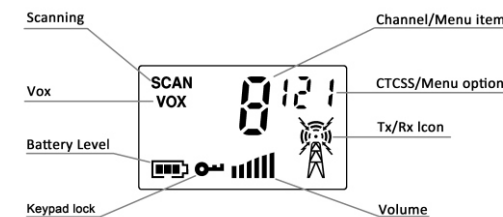
Information to User Note:

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

Important: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

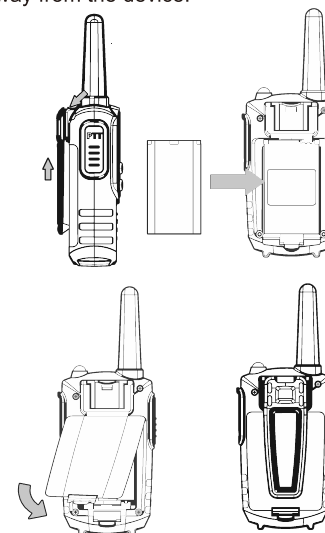
Functions at Glance



BEFORE USE

Removing the belt clip

Before insert batteries into the device, first pull the belt clip latch away from the device.



Battery type: 1200mA Li-ION battery, use USB/Type-C charging cable to insert the DC 5V adapter to charge.

This device comes standard with a 80cmusb/Type-C charging cable,

Installing the Batteries:

Battery installation and charging :

This product comes with an 80cm USB/Type-C charging cable.

- (1). Align the lithium battery with the "+" and "-" symbols and install it properly.
 - (2). Connect the USB end of the charging cable to a DC 5V adapter (sold separately) and plug it into an AC power outlet (AC 110V 60Hz). Connect the Type-C end of the charging cable to the charging port of the walkie-talkie. When charging with the device turned off, the display backlight of the walkie-talkie will illuminate red, and the red light will turn off when charging is complete. When charging with the device turned on, the battery icon on the walkie-talkie will flash, and the battery icon will stop flashing when charging is complete.
- 1counterclockwise.

Using the device

1. Turning the device on/off

Switch on the device: Press and hold on the [⏻/MENU]button 3 seconds then you will hear a beep sound.

Switch off the device: Press and hold on the [⏻/MENU]button 3 seconds then you will hear a beep sound.

2. Adjusting the volume

To increase the volume, press the **Up** [▲] button. And press the **Down** [▼] button to decrease the volume.

3. Battery Charge Level/Low Battery Indication

The battery charge level is indicated by the number of squares present inside the battery icon on the LCD Screen.

-  Battery Full
-  Battery 2/3 charged
-  Battery 1/3 charged
-  Battery empty

When the battery charge level is low, the battery icon will flash and a beep will be heard to indicate that the batteries need to be replaced or recharged.

4. Receiving/transmitting communications:

The devices are in "Reception" mode when it is turned ON and no transmitting.

When a signal is received on the active channel, the LCD will display in reception.

When you press the **PTT** (push to talk) button, the device switches to "Transmission" mode.

Hold the device in a vertical position with the MIC (microphone) 3~5 cm away from your mouth. While holding the PTT button, speak into the microphone in a normal tone of voice.

Release the **PTT** button when you have finished transmitting.

For others to receive your transmission, they must be on the same channel with you.

Note:

- 1. The talking range depends on terrain and weather conditions. It will be affected by obstructions such as hills, bush or buildings.
- 2. Don't try to use two devices which are less than 1.5m (5 feet) apart. Otherwise, you may experience interference.

5. Changing Channels

Press the **MENU** button one time, the channel number will

flash on the display. Press the **UP▲/DOWN▼** button to changethe channel.

Press the **PTT** button to confirm and return to standby mode.

Note: if no button is pressed within 15 seconds during setting, the device will return to standby mode.

6. CTCSS (Continues Tone Coded Squelch System)

Press the **MENU** button twice, the current CTCSS code will flash on the display. Press the **UP▲/DOWN▼** button to change the 99 available codes.

Press the **PTT** button to confirm and return to standby mode.

License-free radio's operating on the 400-470MHz frequency band, the device has 8/22(option) available radio channels. If there are many device users near you, there is a chance that some of the users are operating on the same radio channel.

When using CTCSS, a low-frequency tone (between 67~250Hz) will be transmitted along with the voice signal. There are 121 available tones to choose from.

You are free to choose one of the 121 available sub-channels. Due to filtering, these sub-channels will generally not be audible so they will not disturb the communication.

7. VOX (Hands free function)

Press the **MENU** button three times, the current VOX setting will flash on the display and the VOX icon will display,

Press **UP▲** button to set the VOX sensitivity level between 1 and 3 level (level 3 is the high sensitive level).

Press **DOWN▼** button until "OFF" appears on the display to turn VOX OFF.

Press the **PTT** button to confirm and return to standby mode.

In VOX mode, the radio will transmit a signal when it is activated by your voice or other sound around you.

VOX Operation is not recommended if you plan to use your device in a noisy or windy environment.

Note: VOX mode will be over-ridden when you press the **PTT** button

8. Scanning for an active radio channel

Press and hold the **UP▲** button 2 seconds: The "SCAN" function indicator will appear on the display and the channel will scan continuously from 1 to 8 / 1 to 22. Once an active channel is found, the scanning will stop and you can listen to the transmission.

When the transmission is on the found channel stop, the scanning will resume automatically.

Note: If you press the **PTT** button while listening to a found channel, the device will go back to standby mode on the found channel.

9. Monitor

Press and hold the **DOWN▼** button about 3 seconds to active monitor.

Release the **DOWN▼** button return to standby mode.

10. Setting the Call tones

The device has 10 call tones.

Press the **MENU** button 4 times, "CA" is displayed and on the current call tone. Press the **UP▲/DOWN▼** button to change another call tones.

Press the **PTT** button to confirm and return to standby mode.

11. Sending a call tone

Press the **PTT** button twice time quickly; the call tone will be transmitted on the setting channel.

12. Key-Tone On/Off

When a button is pressed, the unit will beep briefly.

To set the key-tone.

- Press the **MENU** button (10) five times. "to" will be displayed.
- Press **UP▲** to enable (ON) or **DOWN▼** disable the Key Tones (OFF)
- Press the **PTT** button to confirm your selection and return to the standby mode.

13. Roger Beep On/Off

After the **PTT** button is released, the device will send out a Roger beep to confirm that have stopped talking.

Press the **MENU** button six times; "ro" will be displayed.

Press the **UP▲/DOWN▼** button to disable the Roger beep ON/OFF.

Press The **PTT** button to confirm your selection and return to the standby mode.

14. Backlit display

Press any button except for the **MENU** button to activate the backlight of the LCD display. The backlight will light on about 5 seconds.

15. Earpiece connection

The device can be used with an earpiece (If there is an earpiece packed together with the device).

The connector is located in the accessory port on the right side of the device

Insert the earpiece plug into the connector (2.5mm jack).

There is a small "PTT" button on the earpiece that has the same function as the "PTT" button on the device.

When you use the "PTT" button from the earpiece, you must also use the microphone from the earpiece to talk.

Note: Do not connect other earpieces; it may damage your device.

16. Battery saving function

When the device has not been used for 6 seconds, the economy mode is automatically activated. This does not affect the reception of transmission and the standby mode is automatically re-activated as soon as a signal is detected.

17. Built-in Flashlight

Your device has a built-in flashlight that can be used in sending light signals or for our lighting needs.

18. Lock & Unlock the device

Press and hold the [LAMP  Button] for 3 seconds to lock the device.

Press and hold the [LAMP  Button] for 3 seconds to unlock the device.

19. Technical specifications

Channel: 22 FRS channels
Frequency: 452.5500MHz ~ 467.7125MHz

Privacy Code: 121 Groups
Transmission Power ≤0.5W
Range Up to 5 mile in open field
Battery type 3.7V Li-ion battery

Modulation type FM-F3E
Channel spacing 12.5 kHz

FRS FREQUENCY CHART(MHz)

Ch.	Frequency	Ch.	Frequency	Ch.	Frequency	Ch.	Frequency
1	462.5625	7	462.7125	13	467.6875	19	462.6500
2	462.5875	8	467.5625	14	467.7125	20	462.6750
3	462.6125	9	467.5875	15	462.5500	21	462.7000
4	462.6375	10	467.6125	16	462.5750	22	462.7250
5	462.6625	11	467.6375	17	462.6000		
6	462.6875	12	467.6625	18	462.6250		

FCC Warning

15.19 Labeling requirements.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.105 Information to the user.

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Absorption Rate (SAR) information:

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement

The SAR body limit of USA (FCC) is 8.0W/kg averaged over one gram of tissue. The SAR face limit of USA (FCC) is 0.4 W/kg averaged over ten gram of tissue.This device was tested for typical body-worn operations with the back of the device kept 0mm from the body and 25mm in front of face.

To maintain compliance with FCC RF exposure requirements, use accessories that maintain a appropriate separation distance between the user's body and the back of the device. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. Use only the supplied or an approved antenna.