T10 User Manual

Congratulations on your purchase of a high quality product. Your 2-way radio represents state-of-the-art high-tech engineering and is designed for FRS (Family Radio Service) operation. It is a quality piece of electronic equipment, skillfully constructed with the finest components. The circuitry is all solid-state and mounted on a rugged printed circuit board. Your two-way radio is designed for reliable and trouble-free performance for years to come.

Features

- 22 FRS Channels
- 121 Privacy Codes (38 CTCSS / 83 DCS)
- VOX
- Selectable Call Alert
- NOAA Weather Alert
- Scan Function
- Monitor Function
- Roger Beep Tone
- MicroUSB charging port
- Speaker / Microphone Jacks
- Battery Meter / Battery Low Indicator

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device does not cause harmful Interference, and (2) this radio must accept any interference that may cause undesired operation.

IMPORTANT NOTICE

Exposure To Radio Frequency Energy

Your Midland radio is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations: 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical & Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

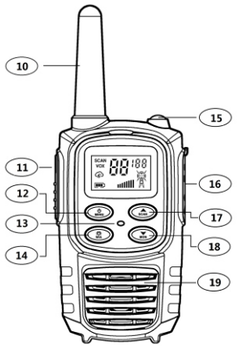
To control your exposure and ensure compliance with the general population or uncontrolled environment exposure limits, transmit no more than 50% of the time. The radio generates measurable RF energy exposure only when transmitting.

Ensure the radio and its antenna are at least 1 inch (2.5cm) from your body when transmitting.

LCD DISPLAY

1. CHANNEL NUMBER - Changes from 1~22 on FRS band (1~10 on W/R band).
2. SCAN ICON - Indicates when SCAN mode is active.
3. VOX ICON - Indicates when VOX mode is active.
4. NOAA WEATHER (W/R) BAND ICON- Indicates when the radio is in Weather Band mode.
5. BATTERY METER - Indicates the battery level.
6. PRIVACY CODE - Indicates Privacy Code selected by user (oF～121).
7. TRANSMIT ICON - Indicates radio is transmitting a signal.
8. RECEIVE (RX) ICON - Indicates radio is receiving a transmission.
9. VOLUME ICON - Volume level indicator

CONTROLS

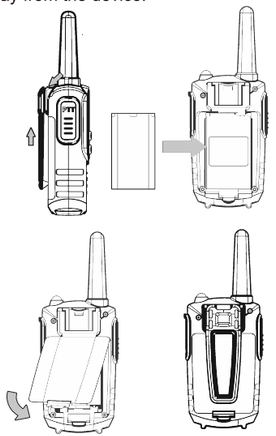


10. ANTENNA
11. PTT/CALL Button - Press and hold to transmit voice communication./Double click to send a CALL ALERT signal.
12. POWER/MENU Button - Press and hold for 2 seconds to turn the device on or off/Press momentarily to access Menu mode.
13. MIC - Built-in microphone.
14. LAMP/W/R Button-Press momentarily to turn the lamp on or off./Press and hold the LAMP button for 5 seconds to activate the NOAA Weather Scan function.
15. LAMP
16. EXTERNAL SPEAKER/MIC/CHG JACK
17. UP/SCAN Button - Volume adjustment, Make adjustments in MENU mode/Press and hold to enter SCAN mode.
18. DOWN/MON Button - Volume adjustment, Make adjustments in MENU mode/Press and hold to enter MONITOR mode.
19. SPEAKER - Built-in speaker.

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

2. Adjusting the volume

- To increase the volume, press the [▲ **/ SCAN**] button. And press the [▼ **/ MON**] 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 not 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 as 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. CHANNEL SELECTION (FRS BAND)

Press the **MENU** button once, and then the ▲/▼buttons to select one of the 22 FRS channels. To confirm the selection, press the **PTT** button or press the **MENU** button again to move to the next feature setting.

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

6. SETTING PRIVACY CODES

Your radio has 121 Privacy Codes available to use in channels 1 ～22. The selected Privacy Code may be different for each channel. To select a Privacy Code for the current channel press the **MENU** button twice, and then the ▲/▼ buttons to select one of the 38 CTCSS+83DCS Privacy Codes.

To confirm the selection, press the **PTT** button or press the **MENU** button again to move to the next feature setting.

*Note: If you select a **CTCSS** Privacy Code, any pre-selected **DCS** Privacy Code will be cancelled and vice-versa.*

Selecting a Privacy Code of "  *"will disable the Privacy feature. To communicate between two radios, all radios in your group must be set to the same channel and/or Privacy Code selections.*

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 the ▲ button to set the VOX sensitivity level between 1 and 3 level (level 3 is the highly sensitive level).

Press the ▼ button until "  " 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 another 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 **▲/SCAN** button for 2 seconds: The "***SCAN***" function indicator will appear on the display and the channel will scan continuously from I 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 for 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, "  " is displayed and on the current call tone. Press the **▲/▼** button to change another call tone.

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."  " will be displayed.

● Press ▲ to enable () or ▼ disable the Key Tones ( )

● 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; "  " will be displayed.

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

Press The **PTT** button to confirm your selection and return to 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 on the top 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. NOAA WEATHER RADIO/SCAN

Your radio has a **NOAA WEATHER RADIO** function, to enable the user to receive weather reports from designated **NOAA** stations. Your radio also has a **NOAA WEATHER SCAN** function to enable the user to scan all 10 channels of the **NOAA WEATHER RADIO**. To turn the **NOAA WEATHER SCAN** on, press and hold the ☼**/W/R** button for 5 seconds while in FRS mode. The radio will go to W/R Band mode and start scanning all 10 channels and stop on any active channel. When the channel becomes inactive for 10 seconds the radio will resume scanning.

To stop the **NOAA WEATHER SCAN** and set the channel manually on the **W/R Band**, press the **MENU** button during **NOAA WEATHER SCAN**. The radio will stop scanning and the display will show the current **W/R Band** channel setting and the **W/R Band** icon. While on **W/R Band** mode press the ▲/▼buttons to select one of the 10 **NOAA WEATHER BAND** channels. To confirm, press the **PTT** button or press the **MENU** button to move to the next feature setting.

To turn the **NOAA WEATHER RADIO** off, press the **PTT** button. The current **FRS** radio setting will be displayed and the **W/R BAND** icon will go off.

19. Lock & Unlock the device

Press and hold the **LAMP** button first, then press and hold the **PTT** button for 3 seconds to lock the device.

Press and hold the **LAMP** button first, then press and hold the **PTT** button for 3 seconds to unlock the device.

20. NOAA WEATHER ALERT

Your radio has a NOAA WEATHER ALERT function, to enable you to automatically receive weather alerts from designated NOAA stations. The *NOAA WEATHER (W/R) ALERT* is automatically on during *NOAA WEATHER SCAN* mode.

To turn the NOAA WEATHER (W/R) ALERT on during normal NOAA WEATHER RADIO mode, press the MENU button twice while in NOAA WEATHER SCAN mode. The display shows *"AL"*while on the right an "*OF*" icon appears blinking. Select "*on*" by pressing the ▲/▼ buttons.

To confirm, press the PTT button or press MENU. The radio will return to W/R BAND and the W/R BAND icon will continue blinking. If the radio receives a W/R ALERT signal from a designated NOAA station while on FRS Radio mode, the radio will beep for 10 seconds while an *"AL"* and *"In"* icon appear on the display, after which it will automatically go to *WX BAND*. If any button is pressed during beeping while on FRS Radio mode, the radio will automatically go to W/R BAND.

21.SPECIFICATIONS

Channels	22 FRS Channels + 121 Privacy Codes 10 NOAA Weather Band Channels
Operating Frequency	UHF 462.5500~467.7125 MHZ
Power Source	3.7V Li-ion Battery

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		

NOAA WEATHER RADIO FREQUENCY CHART(MHz)

Ch.	Frequency	Ch.	Frequency	Ch.	Frequency	Ch.	Frequency
1	162.550	4	162.425	7	162.525	10	163.275
2	162.400	5	162.450	8	161.650		
3	162.475	6	162.500	9	161.775		

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

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.

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.

This device complies with Innovation, Science, and Economic Development Canad licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(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' Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil nedoit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Requirements:
For body-worn operation, this radio has been tested and meets the FCC/ISED RF exposure guidelines when used with accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC/ISED RF exposure guidelines.
Normal Position
Hold the transmitter approximately 25 mm from your face and speak in a normal voice, with the antenna pointed up and away.

Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the Push-To-Talk (PTT) button. To receive calls, release the PTT button. Transmitting 50 % of the time, or less, is important because this radio gener ates measurable RF energy exposure only when transmitting (in terms of measuring for standards compliance).

Pour une utilisation portée sur le corps, cette radio a été testée et est conforme aux directives d'exposition aux radiofréquences de la FCC/ISED lorsqu'elle est utilisée avec les accessoires fournis ou conçus pour ce produit. L'utilisation d'autres accessoires peut ne pas garantir la conformité aux directives d'exposition aux radiofréquences de la FCC/ISED.

Position normale
Tenez l'émetteur à environ 25 mm de votre visage et parlez d'une voix normale, l'antenne pointée vers le haut et vers l'extérieur.

Ne transmettez pas plus de 50 % du temps que le facteur de marche nominal. Pour transmettre (parler), appuyez sur le bouton PTT (Push-To-Talk). Pour recevoir des appels, relâchez le bouton PTT. Une transmission de 50 % du temps, ou moins, est importante, car cette radio génère une exposition mesurable à l'énergie RF uniquement lors de la transmission (aux fins de la conformité aux normes).