



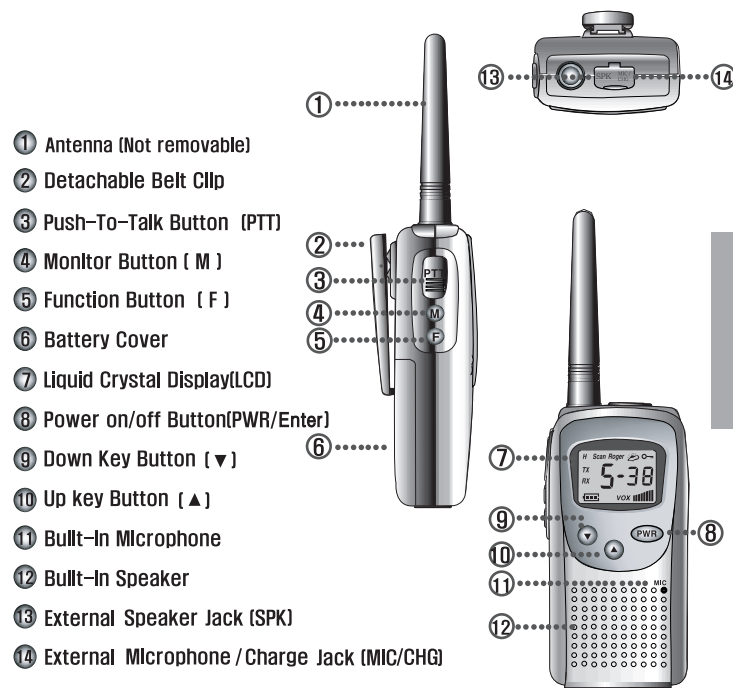
IMPORTANT SAFETY INFORMATION

Your wireless hand-held portable transceiver contains a radio frequency transmitter. When the PTT button is pushed the transmitter sends out RF signals. The device is authorized to operate at a transmit duty factor not exceed 50% using alkaline "AA" size batteries to comply with Federal Communications Commissions (FCC) RF exposure safety level guidelines for hand-held wireless devices.

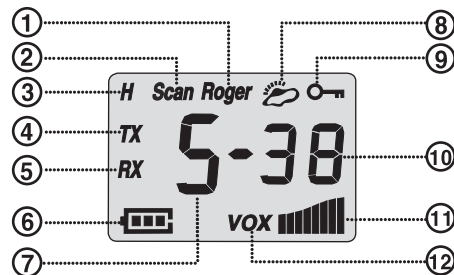
To maintain compliance with the FCC's RF exposure guidelines hold the transceiver at least 1 inches (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away. If you wear the transceiver on your body using the supplied belt clip, *do not transmit with this device in the body worn configuration*. Unauthorized antennas, modifications, or attachments could damage the transceiver and may violate FCC regulations.

Normal Operating Position: Hold the transceiver approximately 2 inches to 3 inches from your face with the antenna pointed up and away.

Controls and Indicators



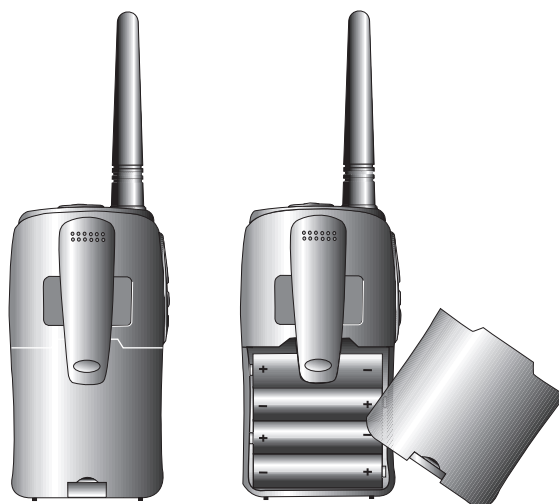
Liquid Crystal Display



- ① Roger Tone Indicator
- ② Scan Indicator
- ③ Hi/Lo Output Power Indicator
- ④ Transmit Signal (Tx) Indicator
- ⑤ Receiving Signal (Rx) Indicator
- ⑥ Battery Level Indicator
- ⑦ Main Channel Indicator
- ⑧ Weather Band Icon
- ⑨ Lock Icon
- ⑩ CTCSS Tone/Weather channel Indicator
- ⑪ Volume Level Indicator
- ⑫ Vox Indicator

INSTALL BATTERIES

- 1 Pull lock tab down and lift door up (towards you) to remove battery cover.
- 2 Insert four "AA" batteries. Position batteries according to polarity markings



OPERATION

POWER ON/OFF



- 1.Power on : Press PWR button longer than 1sec.,all icons display on LCD for a while and the last channel used will be displayed.
- 2.Power off :Press PWR button longer than 2sec., "off" will be displayed for a while and power will be off.

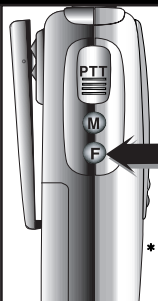
VOLUME UP AND DOWN



Up / Down button will control volume up and down when the unit is in stand by mode.

OPERATION

FUNCTION BUTTON OPERATION



To find the function you want, press the Function **F** button as the following sequence;

- 1.Main channel selection
- 2.CTCSS tone channel selection
- 3.Weather band on/off and channel selection
- 4.Lock on/off
- 5.VOX on/off and level selection
- 6.Roger tone on/off
- 7.Output (Tx) power Hi/Low selection

* Press Up/Down button to set or change the current flashing function and confirm by **PWR** (Enter) button *

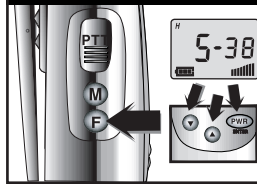
MAIN CHANNEL CHANGE



1. Press **F** button until the main channel number flashes, pressing Up / Down button will change the channel 1 to 5.
2. Press **PWR** (Enter) button to confirm the selected channel.

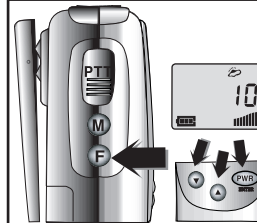
OPERATION

CTCSS TONE CHANNEL CHANGE



1. Press **F** button until the sub-channel number flashes, pressing Up / Down button will change the channel 1 to 38. (If CTCSS sub-channel is not needed, select channel 0).
2. Press **PWR** (Enter) button to confirm the selected sub-channel.

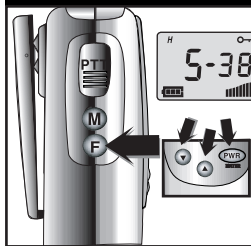
WEATHER BAND ON/OFF AND WEATHER CHANNEL SELECTION



1. Press **F** button until the Weather Band icon flashes with "Of" display, pressing Up / Down button will change to "On".
2. As soon as the Weather Band "On" is confirmed by pressing **PWR** (Enter) button, the last weather channel is displayed (1-10).
3. To change the Weather channel, press **F** button once more, the channel is flashing, change by Up / Down button and **PWR** (Enter) button confirm the selected channel.
(Weather icon and channel display on LCD)
4. Weather Band mode off:
 - (1) Press **F** button twice and Weather Icon is flashes with "On" display.
 - (2) Press Up/Down button to "Of" display and Press **PWR** (Enter) button to confirm Weather mode OFF.
(Weather Icon disappear and back to stand by mode)

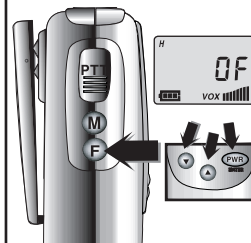
OPERATION

Lock ON/OFF



1. Press **F** button until the Lock icon flashes with "Of" display, pressing Up / Down button will change to Lock "On" Position.
2. Press **PWR** (Enter) button to confirm Lock on position. (Lock icon display on LCD)
3. Lock will be OFF by pressing **F** button longer than 2 seconds. (Lock icon disappear)

VOX ON/OFF AND LEVEL SELECTION



1. Press **F** button until VOX icon flashes with "of" or on level "1-3" display, pressing Up / Down button will change to VOX "Of" or On-level "1-3"
 2. Press **PWR** (Enter) button to confirm VOX OFF or On-level sensitivity 1 to 3. (VOX icon disappear or display on LCD)
- *VOX (Voice Activated Transmission)
On allows you that speaking without pressing the PTT button activate the unit to transmit the conversation VOX mode does not allow Roger tone.*

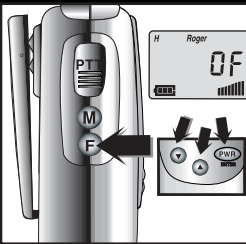
OPERATION

VIBRATION ALERT ON/OFF



1. Press **F** button until Vibration Icon flashes with "On" or "Of" display, pressing Up / Down button will change to on or off.
2. Press PWR(Enter) button to confirm. (Vibration Icon display on LCD or disappear)
3. Press Monitor **M** button, you will receive transmissions without Vibration off.
4. Vibration will be OFF by pressing PTT button to talk.

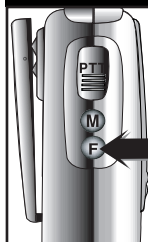
ROGER TONE ON/OFF



1. Press **F** button until Roger icon flashes with "On" or "Of" display, Pressing Up / Down button will change to "On" or "Of".
 2. Press **PWR** (Enter) button to confirm. (Roger icon display on LCD or disappear)
- *Roger Tone On condition will send audible tone to your listener when you release PTT button to alert you finish talk.

OPERATION

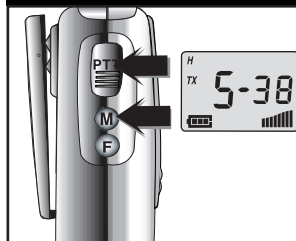
RECEIVER(RX)CHANNEL SCAN



- 1.Scan for Rx channel will be start by pressing **F** button longer than 2seconds.
- 2.Stop scanning by pressing **F** button once more.

Rx channel scan searches for action signal in an endless loop from 1 to 5 or from 5 to 1.(LCD display Scan icon)

CALL ALERT



Press and hold PTT and press **M**(monitor) button to send Call Alert to nearby receivers set to the same main channel.
(LCD will display Tx icon)

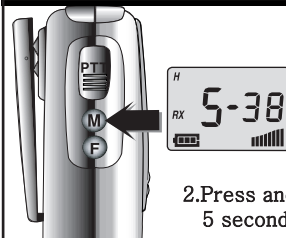
OPERATION

PUSH-TO-TALK(PTT)BUTTON FOR TRANSMIT USE



Press and hold PTT button to talk and release PTT button to listen for response.
(LCD display Tx icon)

MONITOR BUTTON USE FOR MAXIMUM RANGE EXTENDER



- 1.Auto Squelch can be temporarily removed by pressing Monitor **M** button which will allow receive all the signals for the selected main channel.
(LCD display Rx Icon)
- 2.Press and hold the **M** button longer than 5 seconds,you will hear it constantly.
- 3.To return to normal operation (Auto Squelch) Press **M** button again.

Frequency Range

Channel Available	5 Channels
CTCSS Sub-channel	38 for each channel
Output Power (TX)	<2W
Battery Life	20 hours(typical)
Range	Up to 5 Miles

MURS Main channels

Main Channel	Frequency
01	151.820MHZ
02	151.880MHZ
03	151.940MHZ
04	154.570MHZ
05	154.600MHZ

Frequency Range

CTCSS SUB-CHANNELS

CTCSS Channel	Frequency	CTCSS Channel	Frequency
01	67.0 HZ	20	131.8HZ
02	71.9 HZ	21	136.5HZ
03	74.4 HZ	22	141.3HZ
04	77.0 HZ	23	146.2HZ
05	79.7 HZ	24	151.4HZ
06	82.5 HZ	25	156.7HZ
07	85.4 HZ	26	162.2HZ
08	88.5 HZ	27	167.9HZ
09	91.5 HZ	28	173.8HZ
10	94.8 HZ	29	179.9HZ
11	97.4 HZ	30	186.2HZ
12	100.0 HZ	31	192.8HZ
13	103.5 HZ	32	203.5HZ
14	107.2 HZ	33	210.7HZ
15	110.9 HZ	34	218.1HZ
16	114.8 HZ	35	225.7HZ
17	118.8 HZ	36	233.6HZ
18	123.0 HZ	37	241.8HZ
19	127.3 HZ	38	250.3HZ

Frequency Range

Weather Receiver Channels

Weather Channel	Frequency
01	162.550MHZ
02	162.400MHZ
03	162.475MHZ
04	162.425MHZ
05	162.450MHZ
06	162.500MHZ
07	162.525MHZ
08	162.650MHZ
09	162.775MHZ
10	162.275MHZ