

## **M538-HT(Handheld)**

### **Operating instructions**

1. Power Supply: The M538-HT is powered by 6 AA rechargeable batteries. The batteries can be charged in the unit by using the plug in transformer that is provided. The battery icon on the LCD will display the amount of battery charge. One bar showing on the icon will mean that the batteries need to be charged, three bars on the icon mean that the batteries are fully charged.

Note: ONLY use the charger with rechargeable batteries. When the charger is plugged in, the unit will receive signals but will not transmit.

#### 2. Function:

A. Transmit and receive. The M538-HT will operate as a transceiver, meaning it will both transmit and receive messages from other MURS radio units. The M538-HT is equipped to operate on 5 channels, with 38 sub channels. In order to communicate with another MURS radio, the channel and the sub channel must be set alike. The M538-HT also has 4 separate call tones that can be used to page other users before starting a conversation. The M538-HT can also receive an alert signal from the MURS ALERT transmitter. This will notify you of activity at the location of the MURS Alert Transmitter.

B. LCD Display. The LCD will display channel, CTCSS, Tone, TX, RX, Lock Icon(\*\*), and Alert Icon(\*\*). When the base station is powered up, it will return to the same channel, CTCSS, and Tone that it had when it was turned off.

C. Earphone. The M538-HT is equipped with a jack for an earphone.

D. Operating range. The M538-HT is capable of communicating up to 2 or more miles. This will vary depending on the local terrain.

E. Power save mode. If the unit has not received or transmitted a signal for more than a minute, it will go into power save mode. This will extend the life of the batteries. When a signal is received or transmitted, the unit will automatically go out of power save mode.

#### 3. Operation:

A. ON/OFF/Volume. With the batteries charged, you can turn the power on or off by rotating the knob on top of the M538-HT. This will also control the level of the volume.

B. Changing Channels. You can select the proper channel by pressing the up or down key. The lock Icon(\*\*) must be deactivated before you can change the channel.

C. Sub Channels (CTCSS). You can select the proper sub channel by pressing the mode button once. This will cause the CTCSS display to flash. You can then select the proper sub channel by pressing the up or down key. The lock Icon(\*\*) must be deactivated before you can change the sub channel.

D. Call Tone. You can select between 4 different call tones. You can select the proper call tone by pressing the mode button twice. This will cause the Tone display to flash. You can then select the proper call tone by pressing the up or down key. The lock Icon(\*\*) must be deactivated before you can change the call tone.

E. Lock. The lock icon(\*\*) will indicate that the unit is locked and the channel, sub channel and tone will not be able to be changed. To lock the unit, press and hold the MODE button for 2 seconds. To unlock the unit, press and hold the MODE button for 2 seconds.

F. PTT. The PTT (push to talk) button is used so that you can send a message to another unit. Simply press the PTT button and speak with a clear voice into the unit. When you are done speaking, release the button. When the PTT is pushed, the TX display will show on the LCD. This means that you are transmitting.

G. Call Tone. The call tone can be used to initiate a conversation. In order to send a call tone, simply press and release the CALL button.

H. Monitor. The MON button will allow you to monitor the channel that you are using. When the MON button is pressed, you will be able to hear any conversations that are occurring on any sub channels. This can be used so that you do not talk over others that are trying to use the channel.

I. MODE.

a. The MODE button is used to control the Channel, CTCSS, Call tone, lock and alert icon. To lock or unlock the controls, you must press and hold the MODE button for 2 seconds. If the lock icon is not displayed, you can use the MODE button to toggle through the Channel, CTCSS, and Tone functions

b. If the base station has received an alert signal from the MURS ALERT transmitter, the alert icon(\*\*) will be displayed in the LCD. To remove the alert icon, press the mode button for 1 second.