

# Operating instruction

0.5Watts Handheld Walkie Talkies

Model NO.: T38



This set included 2 walkie-talkie units: there are communication devices which operate on mobile on mobile radio frequencies. They come with 8/22(option) channels as well as back-lit LCD screen, enabling you to communicate over several kilometers free-of –charge(up to 6KM in open areas).

**Note:** Please read the operating instructions carefully before using the equipment and retain for future consultation!

### Specific Recommendations

- To avoid the risk of burns, do not use the device if the aerial is damage in any way.
- Don not use the device in a potentially explosive setting(e.g. Around pumps, on the lower deck of a boat or around a fuel-storage installation or chemical products)
- If traveling in a car or by bike, stop before using the device.
- Switch off the device if on an airplane or in a hospital,
- Never use the device in close proximity to a radio that avoid to interference.
- Remove the batteries if the device is not use for an extended period of time. Never mix used with new batteries.
- Position the transmitter and antenna at least 5cm from your face. Direct the antenna upwards and speak normally.
- Clean the device with a damp cloth. Avoid the use of cleaning agents and solvents.
- Do not modify the device in any way. In the event of damage occurring, ensure that the device us checked by a qualified professional.
- The device cannot be used to contact the emergency services.

### Key Functions



## **Before Use the device**

### **Removing the belt clip**

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

### **Installing the Batteries**

#### **A, FOR USE OF NON RECHARGEABLE BATTERIES:**


- 1, Slid down the battery compartment cover.
- 2, Insert 3\* AAA Alkaline (Not included)
- 3, Position the batteries according to the polarity making on the battery compartment.
- 4, After placing batteries into correct positions, replace the battery cover.


#### **B, FOR USE OF RECHARGEABLE BATTERIES WITH USB CABLE AND ADAPTER**

- 1, If your walkie talkie comes with rechargeable battery pack, USB cable and USB adapter or USB car charger, you should only use the battery pack provided to charge. It cannot charge other type rechargeable batteries.
- 2, After placing batteries into correct positions, replace the battery cover.
- 3, The fully charging time is about 12hours.



## **Using the device**

### **1, Turning the device on/off**

Switch on the device: Press and hold on the  3 seconds then you will hear a beep sound.

Switch off the device: Press and hold on the  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, Low Battery Indication**

The device can detect the low battery level when the battery voltage goes low. When battery voltage is low, the battery icon will flash and a beep will be heard to indicate that the batteries need to be replaced.

### **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 current channel, the LCD will display in reception.

When you press the PTT (push to talk) button, the devices switches to

“Transmission” mode.

Hold the device in a vertical position with the Mic(microphone) 3-5cm 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 will depend on your surroundings and environment. It will be affected by obstructions such as hills 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 change the channel.

Press the PTT button to confirm and return to stand-by mode.

Note: if no button is pressed within 15 seconds during setting, the device will return to stand-by 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 38 available codes.

Press the PTT button to confirm and return to stand-by 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 38 available tones to choose form.

You are free to choose one of the 38 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 “OF” appears on the display to turn VOX OFF.

Press the PTT button to confirm and return to stand-by 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 ride 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 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 PTT button while listening to a found channel, the device will go back to stand-by 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 stand by 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 stand-by mode.

### **11, Sending a call tone**

Press the PTT button one time quickly, the call tone will be transmitted on the setting channel.

### **12, Roger Beep On/Off**

After the PTT button us released, the device will send out a roger beep to confirm that have stopped talking.

Press the MENU button 5 times, "RO" will be displayed.

Press the UP▲/Down▼ button disable the roger beep ON/OFF.

Press The PTT button to confirm your selection and return to the stand-by mode.

### **13, Backlit display**

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

### **14, Earpiece connection**

The device can be used with earpiece (If there is 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.

### **15, 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 stand by mode is automatically re-activated as soon as a signal is detected.

### **16, Built-in Flash light**

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

### **17, Lock & Unlock the device**

Press and hold MENU button for 3 seconds to lock the device.

Press and hold MENU button for 3 seconds to unlock the device.

### **18, Technical specifications**

Frequency	462MHZ
Channel number	22 channels
Sub-code	CTCSS 38
Transmission Power	≤0.5W
Range	Up to 6 Km in open field
Modulation type	FM-F3E
Channel spacing	12.5 KHz (Narrow band)

### **Channel and Frequency (MHz)**

#### **USA(22CH)**

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		

RF Exposure Information:

FCC RF Exposure requirements: The highest SAR value reported under this standard during product certification for use next to the head with the minimum separation distance of 25mm is **0.103W/Kg**. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

This product is compliance to FCC RF Exposure requirements and refers to FCC website

<https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> search for FCC ID:

2AMEA-T38

Channel List:

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

#### LICENSING For Products Used in the U.S.A.

FCC Licensing Required This two-way radio operates on GMRS (General Mobile Radio Service) frequencies which require an FCC (Federal Communications Commission) license. A user must be licensed prior to operating on Channels 1 through 7 or 15 through 22, which comprise the GMRS channels of this radio. Serious penalties could result for unlicensed use of GMRS channels, in violation of FCC rules. Operation of this radio is subject to additional rules specified in 47 C.F.R. Part 95. Licensed users will be issued a call sign by the FCC, which should be used for station identification when operating this radio. GMRS users should also cooperate by engaging in permissible transmissions only, avoiding channel interference with other GMRS users, and being prudent with the length of their transmission time. For licensing information and application forms, please call the FCC Hotline at 800-418-FORM. Request form #159 and form #605. Questions regarding the license application should be directed to the FCC at 888-CALL-FCC. Additional information is available on the FCC's website at [www.fcc.gov](http://www.fcc.gov). Channel 1 through 7 and channels 8 through 14 comprise the FRS (Family Radio Service). No license is required to operate on the FRS.



## **Product Safety and RF Exposure**

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

### **FCC Caution:**

Caution: To maintain compliance with the FCC's RF exposure guidelines hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face, use only the supplied belt clip for this product and transmitting, use of other accessories may not ensure compliance with FCC RF exposure guidelines.

This equipment complies with FCC radiation exposure limits set forth for uncontrolled environment. Unauthorized antennas, modification, or attachments could damage the transmitter and may violate FCC regulations

The device is authorized to operate at a duty factor not to exceed 50%.

### **Hazardous Environments:**

Do not operate the communicator in hazardous environments, explosion or fire may result. Do not operate the communicator near unshielded electrical blasting caps. Under certain conditions, radios can interfere with blasting operations and may cause an explosion. Turn your radio to the OFF position to prevent accidental transmission when in a blasting area or in areas posted: "Turn off two-way radios." Construction crews often use remote control RF devices to set off explosives.

Never use cleaners or solvents to clean your device. Use a dry, lint-free cloth to clean the battery contacts. Do not submerge the unit in water.