

# User Manual

0.5Watts Walkie Talkies



**ENGLISH INSTRUCTION**

## **1 Instruction For Use**

This set includes 2 PACK walkie-talkie : there are communication devices which operate on 462MHZ. They come with 22 channels as well as back-lit LCD screen, enabling you to communicate over several kilometers free-of -charge(up to 8KM in open areas).

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

### **Specific Recommendations**

- If you carry any kind of personal medical device, please consult a doctor before use.
- 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.
- 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 and 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. Don't use agents and solvent for cleaning.
- 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.
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## 2 Key Functions



## 3 Before Use the device

### 3.1 Removing the belt clip

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

### 3.2 Installing the Batteries

#### 1, FOR USE OF RECHARGEABLE BATTERIES WITH USB CABLE


You should only use AAA rechargeable batteries to charge. The USB cable cannot charge non-rechargeable batteries.


2, After placing batteries into correct positions, replace the battery cover.

3, The fully charging time is about 12 hours.



## 4 Using the device

### 4.1 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.

#### **4.2 Adjusting the volume**

To increase the volume, press the Up  button. And press the Down  button to decrease the volume.

Note: The volume level is display on the screen.

#### **4.3 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.

#### **4.4 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.

#### **4.5 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.

#### **4.6 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 22 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 from.

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.

#### **4.7 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.

#### **4.8 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.

#### **4.9 Monitor**

Press and hold the DOWN▼ button about 3 seconds to active monitor. Release the DOWN▼ button return to stand by mode.

#### **4.10 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.

#### **4.11 Sending a call tone**

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

#### **4.12 Key Tone On/Off**

You can on/off the key tone when press the buttons.

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

Press the UP▲/Down▼ button disable the key tone ON/OFF.

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

#### **4.13 Roger Beep On/Off**

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

Press the MENU button 6 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.

#### **4.14 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.

#### **4.15 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.

#### **4.16 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.

#### **4.17 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.

## **5 Technical specifications**

Frequency                      462MHZ

Channel number	22 channels
Sub-code	CTCSS 38
Transmission Power	≤0.5Watts
Range	Up to 8 Km in open fields
Modulation type	FM-F3E
Channel spacing	25 KHz

## 6 Product Safety and RF Exposure



Our Global Mei Chuang Co., Limited radio generators RF electromagnetic energy during transmit mode. This radio is designed for and classified as “Occupational Use Only”, meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways To Minimize Such hazards.

This radio is NOT intended for use by the “General Population” in an uncontrolled environment. This radio has been tested and complies with the FCC RF exposure limits for “Occupational Use Only”. In addition, our Global Mei Chuang Co., Limited radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

---IEEE Std. 1528:2013 and KDB447498, Evaluating Compliance with FCC Guidelines for Human

Exposure to Radio Frequency Electromagnetic Fields.

---American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with

Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

---American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the

Measurement of Potentially Hazardous Electromagnetic Fields-RF and Microwave.



The information listed above provides the user with the information needed to make him or her aware

of RF exposure, and what to do to as-sure that this radio operates with the FCC RF exposure limits of this radio.

#### Electromagnetic Interference/Compatibility

During transmissions, Global Mei Chuang Co., Limited radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

#### Occupational/Controlled Use

The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

#### Attention:

This radio complieswith IEEE and ICNIRP exposure limits for occupational/controlled RF exposure environment at operating duty factors of up to 50% and is authorized by the FCC for occupational use only. An appropriate warning lable is affixed to all units. In order to comply with RF exposure requirements, a minimum distance of 2.5 cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original accessories (belt clip), a minimum distance of 0 cm. Do not use this device when antenna shows obvious damages.

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: 2AMEAWT1838 to gain further information include SAR Values.

This EUT is compliance with SAR for controlled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with a minimum distance of 2.5cm must be maintained when held-to-face, and body-worn operations are restricted to the approve original accessories.

Cet EUT est conforme au SAR pour les limites d'exposition contrôlées définies dans l'IC RSS-102 et a été testé conformément aux méthodes et procédures de mesure spécifiées dans IEEE 1528 et IEC 62209. Cet équipement doit être installé et utilisé à une distance minimale de 2.5 cm. être maintenu en place, et les opérations portées sur le corps sont limitées aux accessoires d'origine approuvés.



Hazardous Environments:

Do not operate the communication in hazardous environments, explosion or fire may result. Do not operate the communication 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 an 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.

## 7 Channel and Frequency (MHz)

### USA/Canada (22CHS)

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	