Maycall

# MC-558 Walkie Talkie

**USER'S MANUAL**

STATEMENTS WARNING AND COMPLIANCE STATEMENT

FCC Warning Statement

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 including received interference that may cause undesired operation.

The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

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.

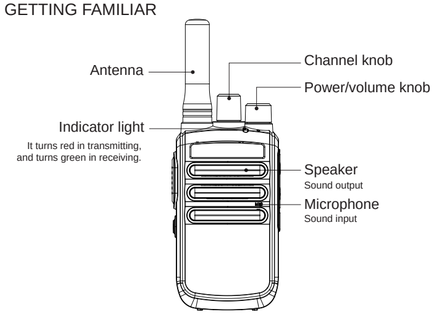
-Consult the dealer or an experienced radio/TV technician for help.

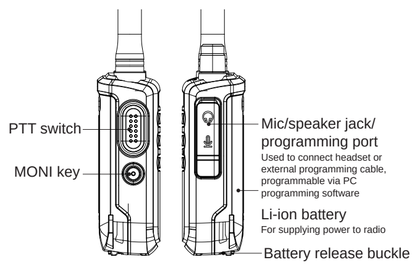
FCC RF Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. Do not use this device when the antenna shows obvious damages. Hold this transmitter approximately 25 mm away from your face and speak normal with the antenna pointed up and away. Use the supplied belt clip for body-worn configuration as other accessories may not comply to the limits.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIO-TELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

## GETTING FAMILIAR




## BASIC OPERATION

1. Indicator

Indicator turns red when transmitting, and it turns green when receiving.

2. Channel Knob

Rotate the knob to select the channel 1 to channel 16, counterclockwise rotate to decrease the value of channel name, clockwise rotate to increase the value of channel name.

3. Power Knob/Volume Knob

Clockwise rotate to turn on the radio, and counterclockwise rotate to turn off the radio. Rotate the knob can adjust the volume.

4. PTT switch

Press PTT switch and then talk to the microphone, the indicator light turns red, if the channel does not have transmitting frequency, a "DU DU" tone sounds, and indicator light turns red.

Release PTT switch to receive, it lights green when there is signal.

5. Squelch level

The squelch level will determine the signal strength to open the speaker of the radio. If the squelch level is lower,the background noise of opening the radios speaker the radios speaker will be higher, and the corresponding communication range will be further, but the anti-interference capacity will be weaker.

The default setting of squelch level is 5, you can adjust it through the menu"Squelch level" of the "Optional Features" in the programming software. Level 0 to 9 can be selected. 0 is the lowest level.

6.Monitor

Press the squelch button to monitor different DCS calls at the same frequency, or press to press the button to listen when the signal strength does not reach the threshold.

7. TOT

The purpose of TOT is to prevent any radio from talking in one channel for a long time, and to prevent the transceiver from being damaged because if continuous transmission. If the transmitting time exceeds the TOT pre-set time, the radio will sounds "DU" and stops transmit, release the "PTT" key to back to receive status and stop sound "DU"

8. Scan

When the current channel is channel 16, the radio will will automatically detect the 16 channels which defined as scan. When the channel which is be scanned has signal, the radio will stop in the channel to communication

Notice:

A. When the scannable channels is less than 2 channels, radio can't go to scan

B. When the radio is stopping in the channel which has signal, after the signal disappears 10s, the radio will scans the next channel

C. If radio do not want to scan, please choose the "No" in the "Scan Add" for every channel

9. English voice prompt

The voice prompt can be selected " English/None" through the programming software.

10. Battery save function

This function can be set by the software

Turn on this function can make the standby time more longer.

11. Low battery alert

Notice:

when the voltage is lower than a certain level,if the voice selection is turned off, the sound of "Du" will appear every 15 seconds. If the voice is on, it will prompt "Please change battery."

12. Busy channel lock

If the busy lock is set, press PTT after receiving the signal to prohibit transmission and sound "Di" is ringing until PTT release.

13. VOX

Speak to the microphone in normal voice to transmit, no need to press PTT key, turn VOX on /off through the software.

A: when VOX is on in your working channel.

Speak to the microphone directly, it will transmits automatically.

The radio stops transmitting when there is no voice, and waits for receiving

## Warranty card

### Note:

1.This warranty card is only applicable to two-way radio of the above-listed model and serial number.

2.The warranty card is an important document for the end-user to enjoy warranty service, please keep it well.

3.This warranty card must be completed by the dealer and stamped with the sales stamp to take effect.

Customer's name:

Gender:

Add and postal code:

Customer's tel:

Model:

Serial number:

Purchasing date:

Purchasing date:

Invoice No.:

Dealer:

Stamp:

Add and ptal code of the dealer:

Contact tel:

Handling people:

B. When a headset with a microphone is used

When VOX is on, you should VOX gain for the radio to identify voice volume.

If the microphone is too sensitive, the noise around radio will start transmitting

If the microphone is not sensitive, the radio can not collect your voice, please adjust VOX level well to guarantee smooth communications.

14. Scrambler

We can use programming software to turn on or off the function of scrambler. Scrambling is one of the methods of information encryption. Scrambler is achieved through cepstrum to complete the goal of change of transportation spectrum. After receiving and releasing the signal, it is restored to achieve the effect of secrecy. Each channel can select the scramble solely.

15. CTCSS/DCS

You can set the CTCSS / DCS via programming software. After setting the CTCSS or DCS, the squelch can only be turned on when the channel receiving the same CTCSS or DCS. If the same channel uses different QT / DQT for calling, the squelch cannot be turned on, the lights in green.

16. Programming protect

Enter the programming software interface, password box will appear (password default is empty) , Tick the new password, the new password will be changed from the original gray into white editable state, fill in the password and click, password set successfully.

17.Special signal

This function occurs when there is DCS on the current channel, the purpose is to make the radio under the same group of DCS unable to hear the call content, to achieve the function of encryption.

18. One-Key Frequency Copy

We will stick "PLUS"lable to distinguish this function.

Radio keep at Channel one and power off. Press PTT key and MONI key at the same time power on the radio.The radio will broadcast voice"power on 1"and green light flashing slowly.Switch the channel to the number which you want to save it.

Using the other radio to transmit,radio will finished copy current frequency and CTCSS when green light flashing quickly 2 times and radio will broadcast "Di"prompt sound with green light off when save successfully.

Same operation method for other channels copy save.

Switch off and on radio again once all done.

Support different band walkie talkie copy.

19.Frequency Copy

We will stick "PLUS"lable to distinguish this function.

Radios keep at channel 2 and power off.Press PTT key and MONI key and at the same time power on radios.The green light flashing slowly. Both radio at same operation.

Transmit(press PTT) the radio(the one we want to copy) for 3 seconds.

Radio green light will flashing quickly around 1 seconds and recovery slowly flashing.Radio broadcast "Di"and save all channels successfully.

Finally switch off and turn on the radio again.

Only support at the same solution walkie talkie .

## SPECIFICATIONS

### General

Frequency range: FRS
Channel: 16
Working voltage: 3.7V
Working temperature: -20℃～+50℃
Dimension: 181.5mmx56.3mmx30.8mm

### Transmitter

Power: 2W
Modulation type: 11KF3E
Spurious radiation: ≤7.5μw
Modulation noise: ＜-40dB
Modulation response: ＜5%
Frequency tolerance: 5ppm

### Receiver

Sensitivity: ≤0.2μv
Occupied bandwidth: ≤11KHz
Channel selective:≥65dB
Inter-modulation: ≥55dB
Audio power: ＞500mW
Audio distortion：≤5%
Frequency tolerance: 5ppm
Current: 150mA
Audio response(300-3000Hz)：+7～12.5dB

### Setting Factory

| NO | Frequency | CTCSS/DCSS | Bandwidth | Power |
|---|---|---|---|---|
| 1 | 462.5625 | 67.0 | Narrow | High |
| 2 | 462.5875 | 118.8 | Narrow | High |
| 3 | 462.6125 | 127.3 | Narrow | High |
| 4 | 462.6375 | 131.8 | Narrow | High |
| 5 | 462.6625 | 136.5 | Narrow | High |
| 6 | 462.6250 | 127.3 | Narrow | High |
| 7 | 462.7250 | 136.5 | Narrow | High |
| 8 | 462.6875 | 141.3 | Narrow | High |
| 9 | 462.7125 | 146.2 | Narrow | High |
| 10 | 462.5500 | 123.0 | Narrow | High |
| 11 | 462.5750 | D743 | Narrow | High |
| 12 | 462.6000 | D332 | Narrow | High |
| 13 | 462.6500 | D243 | Narrow | High |
| 14 | 462.6750 | D606N | Narrow | High |
| 15 | 462.7000 | D731 | Narrow | High |
| 16 | 462.7250 | D462 | Narrow | High |

## ACCESSORIES


Li-ion battery


Desk charger


6 Way multi charger+Adaptor


Adaptor


TYPE C Cable


Air guided headphone cable


Earphone


Belt clip

| MC-528 Radio Package | Desk charger | Adaptor | TYPE C Cable | Earphone | Air guided headphone cable |
|---|---|---|---|---|---|
| 2 units | / | x2 | x2 | x2 | / |
| 4 units | x4 | x4 | / | x4 | / |
| 6 units | 6 Way multi charger+Adaptor | | / | / | x6 |
| 10 units | x10 | x10 | / | / | x10 |

Tips：Battery and belt clip belong to standard accessories"/"means no package with this item.