

## PREFACE

Thank you for purchasing our Mini Radio. This easy-to-use radio will deliver you secure, instant and reliable communications at peak efficiency. Please read this manual carefully before use. The information presented herein will help you to derive maximum performance from your radio.

To begin operation, please fully charge the radios.

### Standard Accessories

| NO. | Item            | QTY |
|-----|-----------------|-----|
| 1   | Mini radio      | 1   |
| 2   | Charger         | 1   |
| 3   | USB cable       | 1   |
| 4   | Special headset | 1   |
| 5   | Strap           | 1   |
| 6   | User Manual     | 1   |

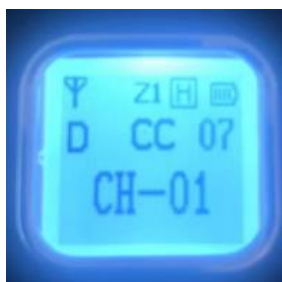
## 1.Main Feature

- ▲Frequency Band: 462.5500 MHz -462.7250MHz, 467.5625 MHz -467.7125MHz
- ▲32 \* 2 Zone (digital) / 32 \* 2 Zone(analog)
- ▲LCD Display
- ▲PC Programmable
- ▲8 Level Volume Adjustment
- ▲Color Code(digital) \ CTCSS\DCS(Analog)1
- ▲Single frequency transfer
- ▲SFR (Double Capacity Direct Through Mode) function

## 2.LCD Icons Instruction



Analog mode



Digital mode



1. : Signal icon
2. : Keypad lock function activated
3. : Signal strength level
4. : Battery level indicator
5. **H**: High power
6. **L**: Low power
7. **Z1 or Z2**: Area

### 3.Basic Operation

#### ■Power On/Off

1. **Long** press  key for more than two seconds to turn on the radio.
2. **Long** press  key again to turn off the radio.

#### ■PTT (PUSH-TO-TALK)

1. Press and hold down the PTT button to transmit (the indicator light turns red).
2. Release PTT button to receive(the indicator light turns green)

#### ■Channel Selection

1. **Short** Press  key to increase the channel number; Short Press  key to decrease the channel number.
2. **Long** press  to switch area(Z1 OR Z2)
3. **Long** press  to unlock, and the  icon disappear, Except PTT.

#### ■Volume Selection

1. **Short** Press  to increase the volume.
2. **Short** Press  to decrease the volume.

#### ■High and low power and Color code switching

- 1.**Long** Press  to Switching power( H OR L)
- 2.**Long** Press  to Switching color code, **short** Press  and  select color code number(0-15)

#### ■Switch key lock

- 1 .In standby mode, **long** press  the key for more than 2 seconds, the LCD will display the icon of the key lock, and the key lock will open. At this time, except PTT key, pressing other keys is invalid.

**2.Long Press**  the key lock for more than 2 seconds, the key lock icon on the LCD disappears, and the key lock is closed. All keys are restored to their original functions.

## Specification

|                         |                                             |
|-------------------------|---------------------------------------------|
| Channel                 | 32 * 2 Zone (digital) / 32 * 2 Zone(analog) |
| Working Temperature     | -20℃ ~ 60℃                                  |
| Standard Voltage        | 3.7V                                        |
| Battery Capacity        | 2000 mAh                                    |
| SIZE(including antenna) | 120mm*50mm*25mm                             |
| Weight                  | 90 g                                        |
| Antenna Impedance       | 50Ω                                         |

### Transmitting Part

|                  |                    |
|------------------|--------------------|
| Freq Stability   | $\leq \pm 2.5$ ppm |
| Output power     | < 2W               |
| Modulation       | FM                 |
| Residual FM      | $\leq -35$ dB      |
| Audio Distortion | $\leq 3\%$         |

### Receiving Part

|                          |                 |
|--------------------------|-----------------|
| Sensitivity              | $\leq -120$ dBm |
| Adjacent selectivity     | $\geq 70$ dB    |
| Intermodulation immunity | $\geq 70$ dB    |
| SN ratio                 | $\geq 48$ dB    |
| Audio Distortion         | $\leq 3\%$      |

### FCC WARNING:

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 received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. —For a Class B digital device or peripheral, the instructions furnished to the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

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. This radio is designed for and classified as “General population/uncontrolled Use” and Personal Radio Service. The separation distance between user and the device or its antenna shall be at least 0cm. The highest reported SAR values for Face-held, body-worn are 0.23W/Kg, 0.53W/Kg.