"Radio Regulation of The People's Republic of China" rules that institutions and individuals who use and set any radio transmission equipments in The People's Republic of China can only operate when they bid to establish radio station and get station license at corresponding radio administrative institutions.

THANK YOU!

Thank you for using the company's handheld FM walkie-talkies. This transceiver design, technology, reasonable structure and stable performance, is easy to operate and to meet the users with a variety of sophisticated functional requirements and design. I believe its compact size and fully functional to meet your needs.

USER'S MANUAL

PLEASE READ USER'S MANUAL CAREFULLY BEFORE USING
Main Function

- VHF Frequency Range: 136-174MHz
- UHF Frequency Range: 400-470MHz
- Frequency/Channel Dual Display Dual Standby
- 128 Memory Channels
- Built-in CTCSS/DCS
- High/Low Power Shift
- Wide/Narrow Band Selectable
- VOX Function
- Alarming Function
- Auto Power Off
- PC Programmable
- Wired Copy Function
- FM Radio
- English/Chinese Voice Prompt
- Lamp Function

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Charge Battery Pack

The battery is not charged out of factory, and please charge it before using. The first charging can't reach full capability after buying or storing for a long time (more than two months). Please charge and discharge it two or three times to make it reach really full capability.

Plug the uncharged battery or transceiver with battery into charger, and make sure the battery contact charging terminal with voltage 220V. When the charging light turns read, charging has begun, and charging has finished while light turns green.

Notice:
- Please do not recharge the battery if it is fully charged. Otherwise, its life will be shortened, or it will be damaged.
- Please turn off the transceiver before charging. The charging will be interfered if you use the transceiver during charging.
- It comes to the limit of the battery life if the use time of transceiver shortens obviously even charging is correct. Please change a new battery pack.
- Please do not charge in high-temperature or damp environment; please remove adapter when charging is finished.
Install/Remove Battery Pack

Match two juts on the top and two grooves at the bottom of the battery pack with the corresponding guides on the aluminous frame on the back of the transceiver. Slide the battery pack upon until hearing a clatter.

Please turn off the transceiver before removing the battery pack. Push battery latch on the top of the transceiver to release the upside battery pack, and then pull it away from the transceiver.
You can find kinds of indicators on the screen showing selected content. Sometimes you may forget what these indicators represent or how to set them. And then the following table can be useful.

<table>
<thead>
<tr>
<th>Item</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX/TX</td>
<td>Flash to show dual frequency standby mode</td>
</tr>
<tr>
<td></td>
<td>Not Flash to show signal frequency standby mode</td>
</tr>
<tr>
<td>S</td>
<td>Power Saving</td>
</tr>
<tr>
<td>N</td>
<td>Narrow Band Mode</td>
</tr>
<tr>
<td></td>
<td>Beep On/Off</td>
</tr>
<tr>
<td>445, 720</td>
<td>Show Frequency or Selected Function</td>
</tr>
<tr>
<td>001</td>
<td>Channel Number</td>
</tr>
<tr>
<td>CT</td>
<td>Appear when CTCSS Function is On</td>
</tr>
<tr>
<td>DCS</td>
<td>Appear when DCS Function is On</td>
</tr>
<tr>
<td>VOX</td>
<td>Appear when VOX Function is On</td>
</tr>
<tr>
<td>+</td>
<td>Appear when Frequency Add is On</td>
</tr>
<tr>
<td></td>
<td>Appear when Frequency Decrease is On</td>
</tr>
<tr>
<td></td>
<td>Appear when Keypad Lock is On</td>
</tr>
<tr>
<td></td>
<td>Show Battery Power</td>
</tr>
<tr>
<td>L</td>
<td>Low Power Transmitting</td>
</tr>
<tr>
<td>D</td>
<td>On dual standby mode display</td>
</tr>
</tbody>
</table>

**Keypad**

- MENU
- ▲
- ▼
- V/M
- 1SQL
- 2H/L
- 3SAVE
- A/B
- 4STEP
- 5REV
- 6SQT
- 0SCAN
- CODE
- 8 FM
- 9 SET
- #TDR

**Basic Mode**

Here is introduction of basic modes to select.

**Main/Sub Frequency Operating Mode**

Under Frequency or Channel mode, please press [▲] to select main/sub frequency or channel, with item [▲] pointing to the operating frequency or channel.

**Main/Sub Frequency Dual Standby Mode**

Under Standby mode, press [ ], then main/sub frequency standby mode is on when item [▲] flashes; when receiving signals, press [PTT] to talk, and main/sub frequency standby mode resumes after talk. Press any buttons except for [PTT], [MON], [LAMP] to exit this mode.

**Channel Mode**

Please press [▲]/[▼] to select memory channel (With stored frequency and related data); With Channel mode on, it shows only channel number but not frequency.
MR Mode
Under Channel mode, hold [MENU] and switch power on, then press [A]/[V] to select “M-ONLY”, repress [MENU] to Channel mode. Under Channel mode, press [A]/[V] to select memory channel (With stored frequency and related data), then press [V/M] to Frequency mode. Under above two modes, input memory channel number (Three letters) to enter the channel.

Frequency Mode
Please press [A]/[V] to select frequency, or directly input frequency numbers within standard frequency range (245.000MHz - 245.995 MHz). Under this mode, press [V/M] to MR mode. Channel mode resumes when re-switch power on.

Shortcut Keys Operation
Press [MENU] and [0] : Scanning On/Off
Press [MENU] and [1] : Select VOX Levels 0-9
Press [MENU] and [2] : Select High/Low Power
Press [MENU] and [3] : Select Power Saving Function
OFF: Transmit/Receive without CTCSS/DCS
TONE: Transmit with CTCSS
CTCSS: Transmit/Receive with CTCSS
D CODE: Transmit with DCS

DCS: Transmit/Receive with DCS
T DCS: Transmit with CTCSS/Receive with DCS
D TSQL: Transmit with DCS/Receive with CTCSS

Press [MENU] and [7] : Select CTCSS/DCS data. 50 groups of CTCSS: 67.0 -254.1; 107 groups of DCS: D017N - D754N or D017I - D754I (Can set only when CTCSS/DCS is on)
Press [MENU] and [8] : Turn On/Off FM Radio
Press [MENU] and [9] : Set Menu Functions
(3) Basic Operation

Menu Function

| Menu NO. | Display Icon | Options   | Menu Description
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>APO</td>
<td>ON/ OFF</td>
<td>Auto Power Off</td>
</tr>
<tr>
<td>2</td>
<td>SCANADD</td>
<td>ON/ OFF</td>
<td>Add Channel Scanning</td>
</tr>
<tr>
<td>3</td>
<td>BATYARV</td>
<td>ON/ OFF</td>
<td>Power Saving</td>
</tr>
<tr>
<td>4</td>
<td>BCL O</td>
<td>ON/ OFF</td>
<td>Busy Channel Lockout</td>
</tr>
<tr>
<td>5</td>
<td>BEEP</td>
<td>ON/ OFF</td>
<td>Beep On/Off</td>
</tr>
<tr>
<td>6</td>
<td>FMAUTO</td>
<td>ON/ OFF</td>
<td>FM Radio Search Broadcast</td>
</tr>
<tr>
<td>7</td>
<td>DC VLT</td>
<td>ON/ OFF</td>
<td>Show Battery Power</td>
</tr>
<tr>
<td>8</td>
<td>DW</td>
<td>ON/ OFF</td>
<td>FM Radio MONI Mode</td>
</tr>
<tr>
<td>9</td>
<td>LAMP</td>
<td>PTT/MONI/LAMP</td>
<td>LED Backlight</td>
</tr>
<tr>
<td>10</td>
<td>LOCK</td>
<td>PTT/ K+S/ ALL/ KEY</td>
<td>Keypad Lockout</td>
</tr>
<tr>
<td>11</td>
<td>MSGSET</td>
<td>&quot;0 - 9&quot;/&quot;A - Z&quot;</td>
<td>Bootstrap Message</td>
</tr>
<tr>
<td>12</td>
<td>NAME</td>
<td>ALPHA/FREQ</td>
<td>Channel Name</td>
</tr>
<tr>
<td>13</td>
<td>NM SET</td>
<td>&quot;0 - 9&quot;/&quot;A - Z&quot;</td>
<td>Edit Channel Name</td>
</tr>
<tr>
<td>14</td>
<td>OFFSET</td>
<td>0.000MHZ - 99.995MHZ</td>
<td>Transmit/Receive Offset</td>
</tr>
<tr>
<td>15</td>
<td>OPNMSG</td>
<td>OFF/ DC/ MSG</td>
<td>Bootstrap Message</td>
</tr>
<tr>
<td>16</td>
<td>PSWD</td>
<td>ON/ OFF</td>
<td>Bootstrap Password On/ Off</td>
</tr>
<tr>
<td>17</td>
<td>PSWD W</td>
<td>ON/ OFF</td>
<td>Set Bootstrap Password</td>
</tr>
<tr>
<td>18</td>
<td>POGER</td>
<td>ON/ OFF</td>
<td>Talk-Over Voice Prompt</td>
</tr>
<tr>
<td>19</td>
<td>SCN MD</td>
<td>TO/CO</td>
<td>Scanning Mode</td>
</tr>
</tbody>
</table>

Menu NO. | Display Icon | Options   | Menu Description
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>STE</td>
<td>ON/ OFF</td>
<td>End Sound Elimination</td>
</tr>
<tr>
<td>21</td>
<td>TOT</td>
<td>Off/1 Minute to 7 Minutes</td>
<td>Time Out Timer</td>
</tr>
<tr>
<td>22</td>
<td>TXSTOP</td>
<td>ON/ OFF</td>
<td>Transmit Timer</td>
</tr>
<tr>
<td>23</td>
<td>VOX</td>
<td>ON/ OFF</td>
<td>VOX On/Off</td>
</tr>
<tr>
<td>24</td>
<td>VOX D</td>
<td>1S to 4S</td>
<td>VOX Delay</td>
</tr>
<tr>
<td>25</td>
<td>VOX S</td>
<td>Levels 1 - 8, VOX Sensitivity: Level 8 is lowest, Level 1 is highest</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>WIDNAR</td>
<td>NARROW</td>
<td>Narrow Band</td>
</tr>
<tr>
<td>27</td>
<td>VOICE</td>
<td>CHI/ENG//OFF</td>
<td>Select Language</td>
</tr>
</tbody>
</table>

Main Functions Set and Operation


APO -01 Auto Power Off. Press [MENU], then press [▲]/[▼] to select:

ON:Turn on Auto Power Off
OFF:Turn on Auto Power Off

Then press [MENU] to resume, or press [PTT] to exit.

SCANADD -02 Channel Scanning. Press [MENU], then press [▲]/[▼] to select:

ON:Scanning Add On
OFF:Scanning Dec On

Then press [MENU] to resume, or press [PTT] to exit.
**BATYARV -03** Power Saving. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **ON:** Power Saving On
- **OFF:** Power Saving Off

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**BCLO -04** Busy Channel Lockout. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **ON:** Busy Channel Lockout On
- **OFF:** Busy Channel Lockout Off

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**BEEP -05** Beep On/Off. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **ON:** "Di" Voice Prompt
- **OFF:** Beep Off

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**FMAUTO -06** Set FM Radio Search Broadcast. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **ON:** Auto Searching
- **OFF:** Manual Searching

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**DC VLT -07** Show Battery Voltage.

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**DW-08** Set FM Radio MONI Mode. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **ON** Allow to Receive Signals
- **OFF** Not Allow to Receive Signals

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**LAMP -09** LED Backlight On/Off. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to turn on/off led backlight.

When any keys except for \([\text{PTT}],[\text{MONI}],[\text{LAMP}]\) are pressed, backlight will be on for 5 seconds, then auto off.

**CONT:** \([\text{LAMP}]\) to Control Backlight

- **OFF:** Auto Backlight is Off

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**LOCK -10** Keypad Lockout. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **PTT Lock [PTT]**
- **K+S Lock Keypad and UP/DOWN**
- **ALL Lock All Keys**
- **KEY Lock Keypad**

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**MSGSET -11** Set Bootstrap Message. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- \"0 - 9\"/\"A - Z\"

Press \([\text{MENU}]\) to edit next one, and press \([\text{MONI}]\) to delete.

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**NAME -12** Channel Name. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **ALPHA:** Show Channel's Name
- **FREQ:** Show Frequency or Channel

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.

**NM SET -13** Edit Channel Name. Press \([\text{MENU}]\), then press \([\uparrow]/[\downarrow]\) to select:

- **ALPHA:** Show Channel's Name
- **FREQ:** Show Frequency or Channel

Then press \([\text{MENU}]\) to resume, or press \([\text{PTT}]\) to exit.
OFFSET-14 Transmit/Receive Offset. Press [MENU], then press [offset] - [offset] to input offset:
00.000MHz - 99.995MHz
Then press [MENU] to resume, or press [PTT] to exit.

OPNMSG -15 Bootstrap Message. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- OFF: Not Message
- DC: Show Battery Voltage
- MSG: Show Edited Message
Then press [MENU] to resume, or press [PTT] to exit.

PSWD -16 Bootstrap Password On/Off. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- OFF: Bootstrap Password Off
- ON: Bootstrap Password On
Then press [MENU] to resume, or press [PTT] to exit.

PSWD W -17 Set Bootstrap Password. Press [MENU], then press [offset] - [offset] to select:
- Input 4 letters or numbers
Then press [MENU] to resume, or press [PTT] to exit.

POGER -18 Talk-Over Voice Prompt. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- OFF: Talk-Over Voice Prompt Off
- ON: Talk-Over Voice Prompt On

SCN MD -19 Set Scanning Mode. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- TO: Time Scanning
- CO: Wave Carrier Scanning
Then press [MENU] to resume, or press [PTT] to exit.

STE -20 End Sound Elimination. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- ON: End Sound Elimination On
- OFF: End Sound Elimination Off
Press [MENU] to resume, or press [PTT] to exit.

TOT -21 Time Out Timer. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- OFF: Time Out Timer (TOT) Off
- Set Time: 1 to 7 Minutes
Then press [MENU] to resume, or press [PTT] to exit.

TXSTOP -22 Transmit Limit. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- ON: Transmit Limit
- OFF: Transmit
Then press [MENU] to resume, or press [PTT] to exit.

VOX -23 VOX Function. Press [MENU], then press [\(\uparrow\)]/[\(\downarrow\)] to select:
- ON: Vox Function On
- OFF: Vox Function Off
Then press [MENU] to resume, or press [PTT] to exit.

VOX D -24 VOX Delay. Press [MENU], then press [▲]/[▼] to select:

1 - 4 Seconds
Then press [MENU] to resume, or press [PTT] to exit.

VOX S -25 VOX Sensitivity. Press [MENU], then press [▲]/[▼] to select:

Levels 1 - 8: Level 8 is lowest, level 1 is highest
Then press [MENU] to resume, or press [PTT] to exit.

WIDNAR -26 Narrow Band. Press [MENU], then select:
NARROW Narrow Band
Then press [MENU] to resume, or press [PTT] to exit.
This model is limited to use with Narrow Band.

VOICE -27 Select Language. Press [MENU], then press [▲]/[▼] to select:

CHI: Chinese
ENG: English
OFF: Language Off
Then press [MENU] to resume, or press [PTT] to exit.

■ Store Channel
Under Frequency mode, please input frequency and select related data (such as CTCSS, DCS, Offset, Offset +/- etc.); press [MENU], and it shows channel number on right side, then press [▲]/[▼] to set channel number (E200 can only edit channels between No.81-128). Then, press [VM] to confirm and store.

■ Delete Stored Channel
Please select the channel you like to delete between No.81-128, and switch power off. Then, hold [MENU] and re-switch power on, press [▲]/[▼] to select “MEMCLR”, and press [MENU] to delete the stored channel.

■ Delete Channels Data
When power is off, hold [MENU] and switch power on, then press [▲]/[▼] to select “ALLRST”, then press [MENU] to reset all data. Repress [▲]/[▼] to select “SETRST”, then press [MENU] to delete preset menu function and parameters, then stored channel data will be saved.

■ PC Programming/Wired Copy Function
• PC Programming
1. Well connect computer COM and UV8’s SP/MIC jack by program cable, and turn on radio.
2. Start computer and have radio programming software function. Then set your expected frequencies and parameters. There are 128 channels to edit in “Channel Data” from editing menu, and then select “unit data” to select and set functions. Afterwards, click “Write to Radio” or relative button on toolbar to start writing. When it finishes, LED screen displays “Succeed”. Until now, all parameters shown are stored in the radio.

• Wired Copy Function
Use special data copy cable to clone data from programmed
radio to target radio. Switch target radio on first after well connect two radios’ SP/MIC with copy cable. Then hold programmed radio’s [PTT] and [MONI] for 3 seconds and switch power on until LCD shows “OPT”, then release; then, input “988”, and press [PTT] to start copying with red light flashing. When it successes, red light disappears and returns to standby mode. Repeat the above steps to clone more radios. If cloning fails, red light lasts, and you’re advised to check the connect.

(4) Auxiliary Features

- Keypad Lockout
   This function is to avoid unit’s setting in case of unexpected pressing keypad, this model has four modes to select: (1.“PTT”to lock [PTT] / 2."K+S"to lock number keys and UP/DOWN keys/ 3."ALL"to lock all keys/ 4."KEY "to lock keypad) Press [Menu] for 2 seconds to turn on/off this function, and  is appears when lockout is on.

- Auto Power Off
   The unit allows 1-15 hours to auto power off, and the unit will auto power off when it has no any operation or not receive signals within preset time.

- Alarming Function
   Hold [LAMP] for 3 seconds, other unit with same frequency will respond and alarm with the unit. Press [PTT] to exit.

- Power Saving Function
   Battery saving allows receiving circuit to cut down power consumption when there is no signal, finally expand longer battery life. This function is auto off when MONI function is on or any keys are pressed. Press [Menu] and [Back] to turn on/off this function, and it shows “S” when this function is on.

- VOX Function
   1. VOX function is useful in certain situation. Press [Menu] and [
1. Press \([\text{MHz}]\) and \([\text{S"-l}]\) to select option No. 23 to turn on/off VOX function.

2. Set Vox Sensitivity. Press \([\text{MENU}]\) and \([\text{S"-l}]\), then press \([\text{A}]\)/\([\text{V}]\) to select vox sensitivity levels.

Note: When you wear matched Mic/Earphone and VOX function is on, you need to adjust VOX gain so that the unit could recognize voice well. If Mic/Earphone is too sensitive, any noise will be recognized and the unit will transmit, and if Mic/Earphone is not sensitive enough, the unit can’t recognize your voice. Therefore, please be sure that VOX gain is well adjusted to make communication easy.

- **Beep On/Off**
  With Beep on, any press into keypad will cause sound “Bi”, and you can turn on/off this function through menu function.
  Press \([\text{MENU}]\) and \([\text{S"-l}]\), then press \([\text{A}]\)/\([\text{V}]\) to select option No.5 to turn on/off Beep function.

- **Voice Prompt**
  With Voice Prompt on, any press into keypad will cause voice prompt, and you can turn on/off it through menu function.
  Press \([\text{MENU}]\) and \([\text{S"-l}]\), then press \([\text{A}]\)/\([\text{V}]\) to select option No.27, and select Chinese/English/Off.

- **LED Backlight**
  Press \([\text{MENU}]\) and \([\text{S"-l}]\), then press \([\text{A}]\)/\([\text{V}]\) to select option No.9, and select between \([\text{CONT}] / [\text{KEY}] / [\text{OFF}]\). You can also press \([\text{LAMP}]\) to turn on/off LED Backlight.

- **Bootstrap Password**
  Press \([\text{MENU}]\) and \([\text{S"-l}]\), then press \([\text{A}]\)/\([\text{V}]\) to select option No.16 to set password, then press option No.17 to select four numbers(0-9).

- **Bootstrap Message**
  Press \([\text{MENU}]\) and \([\text{S"-l}]\), then press \([\text{A}]\)/\([\text{V}]\) to select option No.15 to set bootstrap message:
  “DC”: Show battery voltage/OFF:Off / “MSG”: Show welcome message. Then select option No.11 to edit bootstrap message.

- **Lamp Function**
  This model has Lamp function for you honor customers to use at night.
  Press \([\text{MONI}]\), lamp is on; repress \([\text{MONI}]\), lamp is off.
(5) FM Radio

1. Turn On/Off FM Radio; FM Radio Search Broadcast
Under standby mode, press [MENU] and [RM] to turn on/off FM radio. When FM radio is on and under frequency mode, you can directly input receive frequency (3 or 4 numbers). When broadcast search is off, please press [▲]/[▼] to adjust radio's frequency, with step 50KHz. When broadcast search is on, please press [▲]/[▼] search broadcast, and it will auto stop and stay when broadcast is searched.

Under radio's Channel mode, please press [▲]/[▼] or input 2 numbers (01-25) to adjust radio's channel.

2. FM Radio FR/CH Mode
When FM radio is on, press [✓] to shift between FM radio Frequency or Channel Mode (Can't shift when no channels are stored in FM radio).

3. Set FM Radio MONI Mode
Press [MENU] and [RM], then press [▲]/[▼] to select option No.8. When it’s "ON", the unit can exit from FM radio and receive signals, and it resumes to FM radio when signals disappear. When it's "OFF", it can't exit from FM radio and MONI signals.

4. Store FM Radio Channel Data
Under Frequency mode, press [MENU] to select frequency; It shows channel number on right side, then press [▲]/[▼] to select channel number (Channel number 1-25), then press[✓] to confirm and store.
## (6) Specification

<table>
<thead>
<tr>
<th><strong>General Part</strong></th>
<th></th>
<th><strong>Transmitter</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range</strong></td>
<td>VHF: 136-174MHz; UHF: 400-470MHz</td>
<td><strong>Output Power</strong></td>
<td>HI: ≥5W, LO: 1W</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-10°C to +60°C</td>
<td><strong>Modulate Mode</strong></td>
<td>Frequency Modulate</td>
</tr>
<tr>
<td><strong>Frequency Combination</strong></td>
<td>Phase Lock Frequency Synthesize</td>
<td><strong>Maximum Frequency Deviation</strong></td>
<td>≤2.5KHz</td>
</tr>
<tr>
<td><strong>Frequency Stability</strong></td>
<td>±2.5ppm</td>
<td><strong>Spurious Radiation</strong></td>
<td>≤60dB</td>
</tr>
<tr>
<td><strong>Memory Channels</strong></td>
<td>128</td>
<td><strong>Transmit Current</strong></td>
<td>HI: ≤1500mA, LO: 600mA</td>
</tr>
<tr>
<td>** Rated Voltage**</td>
<td>DC7.4V (Li-ion Battery)</td>
<td><strong>FM Radio</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Antenna Disposition</strong></td>
<td>Rubber Antenna</td>
<td><strong>Frequency Range</strong></td>
<td>FM: 87.0-107.9MHz</td>
</tr>
<tr>
<td><strong>Antenna Impedance</strong></td>
<td>50Ω</td>
<td><strong>Memory Channels</strong></td>
<td>25</td>
</tr>
<tr>
<td><strong>Operating Mode</strong></td>
<td>Simplex of co-frequency or alien frequency</td>
<td><strong>Note:</strong> Specifications are subject to change without notice.</td>
<td></td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>110mm<em>60mm</em>36mm</td>
<td><strong>Squelch Standby Current</strong></td>
<td>20mA</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>About 350g</td>
<td><strong>Receive Current</strong></td>
<td>≤250mA</td>
</tr>
</tbody>
</table>

### Receiver

<table>
<thead>
<tr>
<th><strong>Sensitivity</strong></th>
<th>&lt;0.20μV (12dB SINAD)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VOX Sensitivity</strong></td>
<td>0.18μV</td>
</tr>
<tr>
<td><strong>Intermodulation Antijamming</strong></td>
<td>50dB</td>
</tr>
<tr>
<td><strong>Audio Power</strong></td>
<td>≥400mW</td>
</tr>
<tr>
<td><strong>Receive Current</strong></td>
<td>≤250mA</td>
</tr>
<tr>
<td><strong>Squelch Standby Current</strong></td>
<td>20mA</td>
</tr>
</tbody>
</table>

### FM Radio

- **Frequency Range**: FM: 87.0-107.9MHz
- **Memory Channels**: 25

**Note:** Specifications are subject to change without notice.
## (7) Common Error and Solution

<table>
<thead>
<tr>
<th>Common Error</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No reaction when turn on the radio</td>
<td>• Battery power exhausted, please change the battery or recharge.</td>
</tr>
<tr>
<td></td>
<td>• Wrong battery connect, please remove and reinstall it.</td>
</tr>
<tr>
<td>Battery power easily get lost</td>
<td>• The battery life is ended, please use new battery.</td>
</tr>
<tr>
<td>Could not talk with other members in the same team</td>
<td>• Beyond the communication range.</td>
</tr>
<tr>
<td></td>
<td>• Different frequencies or DCS/CTCSS, please reset.</td>
</tr>
<tr>
<td>Voices from non members</td>
<td>• Please reset DCS/CTCSS. Please change all radios DCS/CTCSS.</td>
</tr>
<tr>
<td>No fm radio function</td>
<td>• Please check if fm radio function is on.</td>
</tr>
<tr>
<td></td>
<td>• Please check if there’s locate broadcast, or signal is weak.</td>
</tr>
</tbody>
</table>

**Note:** This manual has been made to seek the content is accurate and complete, for possible omissions and errors in the text to the actual function of the product shall prevail.