规格：156 X 95

Thanks for buying the transceiver.

This transceiver offers latest design, enhanced features, solid performances and easy accessibility. We believe you will be pleased with the high quality and reliable features for all your communication needs.

READ THIS IMPORTANT INFORMATION ON THE SAFE AND EFFICIENT OPERATION BEFORE USING PORTABLE TRANSCEIVER. This manual is ONLY suitable for .

User Safety, Training, and General Information

READ THIS IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION BEFORE USING YOUR PORTABLE TWO-WAY RADIO.

Compliance with RF Energy Exposure Standards

Your two-way radio is designed and tested to comply with a number of national and international standards and guidelines (listed below) regarding human exposure to radio frequency electromagnetic energy. This radio complies with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environment at duty cycles of up to 50% talk-50% listen and should be used for occupational use only. In terms of measuring RF energy for compliance with the FCC exposure guidelines, your radio radiates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

NOTE ⚠

» The approved batteries supplied with this radio are rated for a 5-5-90 duty cycle (5% talk-5% listen-90% standby), even though this radio complies with the FCC occupational RF exposure limits at duty cycles of up to 50% talk.

Your two-way radio Complies with the following of RF energy exposure standards and guidelines:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1999 Edition
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

Operational Instructions and Training Guidelines

To ensure optimal performance and compliance with the occupational/controlled environment RF energy exposure limits in the above standards and guidelines, users should transmit no more than 50% of the time and always adhere to the following procedures:

Transmit and Receive

To transmit (talk), push the Push-To-Talk (PTT) button; to receive, release the PTT button.

Hand-held radio operation

Hold the radio in a vertical position with the microphone 5 cm away from the lips and keep the antenna far away from your head.

Body-worn operation

Always place the radio in an approved clip, holder, holster, case, or body harness for this product. Use of non-approved accessories may exceed FCC RF exposure guidelines.

Antennas & Batteries

- Use only approved, supplied antenna or approved replacement antenna.
- Unauthorized antennas, modifications, or attachments could damage the radio and may violate FCC regulations.
- Use only approved, supplied batteries or approved replacement batteries.
- Use of non-approved batteries may exceed FCC RF exposure guidelines.

Approved Accessories

For a list of approved accessories,see the accessories page of this user manual or visit the following website which lists approved accessories:http://www.mexun.net/

Notices to the User

- Government law prohibits the operation of unlicensed radio transmitters within the territories under government control.
- Illegal operation is punishable by fine or imprisonment or both.
- Refer service to qualified technicians only.

Warning ⚠

» It is important that the operator is aware of and understand hazards common to the operation of any transceiver. Explosive environment (such as gases, dust, fumes, etc). Turn off your transceiver while talking on fuel, or parking in gasoline servive stations.

» If you require this machine to be developed or get some changes, pleased contact with or your dealer.

FCC Caution:

This equipment has been testen and found to comply with the part 90 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipent generates, uses and can radiate radio frequency energy and, If the equipment is not installed and used in accordance with the instructions, it may cause harmful interference to radio communicationgs.

However, there is no guarantee that interference will not occur in a particlar installation. If this equipment does carse 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 Licensing Requirements

Your radio must be properly licensed Federal Communications Commission prior to use. Your Wireless dealer can assist you in meeting these requirements. Your dealer will program each radio with your authorized frequencies, signaling codes, etc., and will be there to meet your communications needs as your system expands.

Precautions

Only qualified technicians are allowed to maintain this product.
Do not use the radio or charge a battery in explosive areas such as coal gas, dust, steam, etc.

Switch OFF the radio while refueling or parking at a gas station.

Do not modify or adjust this radio without permission.
Do not expose the radio to direct sunlight over a long time, nor place it close to heat source.
Do not place the radio in excessively dusty, humid areas, nor place close to heating appliances.
Safety: It is important that the operator is aware of and understands hazards common to the operation of any radio.

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.

Warning ⚠

» MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

CE Caution:

Hereby, declares that this Two-way radio is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the DOC may be obtained through the following address.

Address: Room 315, Building A, E-Commerce Base Exhibition Hall Licheng District Quanzhou Fujian China

Contents

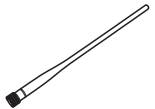
Contents

Unpacking and Checking the Equipment

Carefully unpack the transceiver. We recommend that you identify the items in the following table before discarding the packing material. If any item is missed or has been damaged during shipment, please notify your dealer.

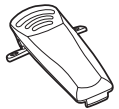
Supplied Accessories


Transceiver


High gain antenna


Li-ion batterypack


Intelligent charger


Beltclip


Handstrap


User's manual

Installing before use

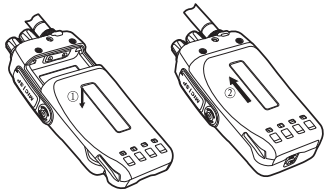
Install / remove batterypack

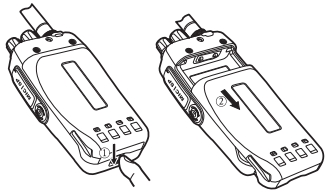
The batterypack is not fully charged before leaving factory. Please charge it before use.

NOTE

» Do not shortcircuit the terminals or put the batterypack into fire.
» Do not try to remove the case from the batterypack.

1. Please aim the batterypack at the back of the transceiver, and then push up and press down the batterypack to lock the release latch. (PIC1)
2. If you want to remove the batterypack, push down the release latch, and the batterypack will be released from the transceiver. (PIC2)


PIC1


PIC2

Description of Features

1. Dual band, Dual frequency, Dual display, Dual standby
2. Frequency Range (suitable for different countries or areas):
   136-174&216-260MHz (RX/TX) 144-146&430-440MHz(RX/TX)
   136-174&400-480MHz (RX/TX) 136-174&225-226MHz(RX/TX)
   136-174&420-520MHz (RX/TX) FM: 76-108MHz
3. Working mode: V-U, U-V, V-V, U-U Setting
4. Channel setting: VHF Tx-UHF Rx or UHF Tx - VHF Rx selectable
5. DTMF Encoding/Decoding
6. CTCSS/DCS Scan Analogue/Digital
7. Digital FM Radio
8. VOX
9. Output power: VHF-5W/1W, UHF-4W/1W
10. 107 Groups DCS, 50 Groups CTCSS
11. Nonstandard CTCSS/DCS
12. 5 Tones (Opirional)
13. Wide/Narrow bandwidth selection (25KHz/12.5KHz)
14. Multi-display modes (channel number/channel frequency/channel name selectable)
15. offset frequency setting

16. Multi-function scan modes
17. Multi side key multi definition function
18. 199 memory channels
19. Bright flashlight illumination
20. 8 groups scrambler (Optional)

Specifications

Intergration		Receiving	Wide bandwidth	Narrow bandwidth
Frequency Range	Suitable for Different Countries or Areas 136-174MHz & 216-260MHz 136-174MHz & 400-480MHz 136-174MHz & 420-520MHz 144-146MHz & 430-440MHz 136-17 & 225-226MHz	Adjacent Channel Selectivity	⩽70dB	⩽60dB
		Inter Modulation	⩽65dB	⩽60dB
		Spurious Response	⩽70dB	⩽70dB
		Audio Response	+1~3dB (0.3~3KHz)	+1~3dB(0.3 ~2.55KHz)
Step	5KHz / 6.25KHz / 10KHz / 12.5KHz / 25KHz / 50KHz / 100KHz	Signal to Noise Ratio	⩾45dB	⩾40dB
Channel Number	199	Audio Distortion	⩽5%	
Work Mode	F2D / F3E	Audio Power	Transceiver⩽500mW	
Operating Temperature	-20℃ or 40℃	Sensitivity	UHF/VHF:0.25μV(12dB SINAD)	
Antenna Resistance	50Ω			
Voltage	7.4VDC			
Weight	280g			
Size	124.5x 61.49 x 33.88 (mm)			

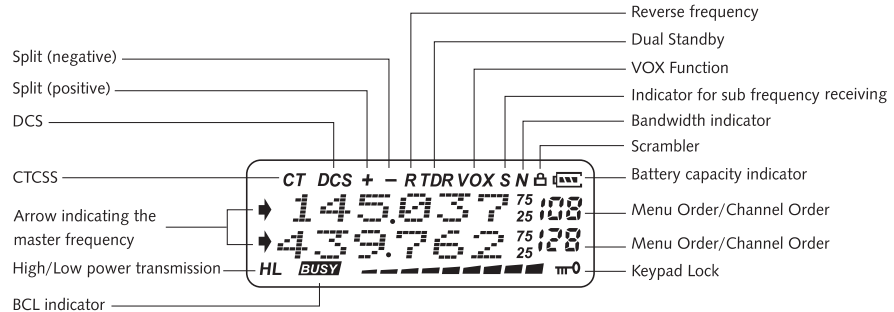
Transmitter	Wide bandwidth	Narrow bandwidth	Transmitter	Wide bandwidth	Narrow bandwidth
Type of Modulation	16K F3E	11K F3E	Max Frequency Deviation	± 5KHz	± 2.5KHz
Adjacent Channel Power	⩾70dB	⩾60dB	Frequency Stability	± 2.5ppm	
Spurious	⩾60dB	⩾60dB	Audio Distortion	⩽5%	
Audio Response	+1~3dB (0.3~3KHz)	+1~3dB (0.3~2.55KHz)	Output Power	5W/1W(VHF)	
				4W/1W(UHF)	

Note: Different countries or areas are differing from the specific applicable working frequencies and parameters.

Description of Transceiver

LCD Display

There are various indicators display on the screen when powering on. Please refer the below table to learn what the indicators stand for accordingly.



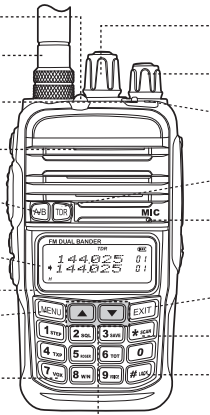
Note:

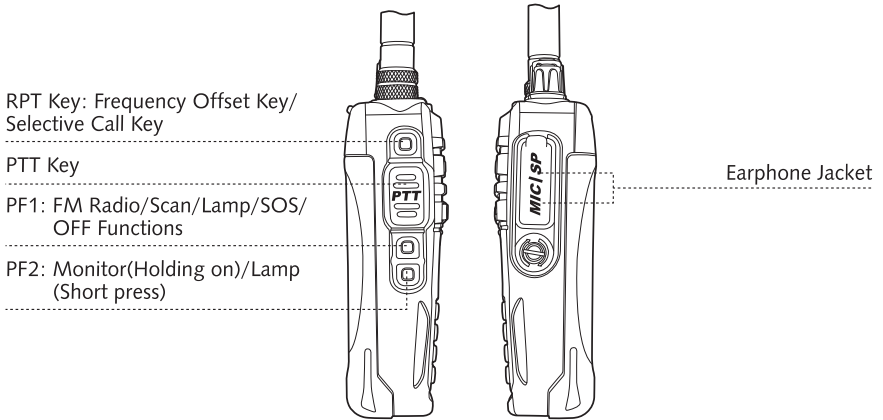
Full Battery Capacity Indicator

Exhausted Battery Capacity Indicator

Low Battery Capacity Indicator

Receiving signal meter


LED
Antenna
Receiving Indicator
Speaker
A/B Master Frequency Switch Key
LCD Screen
A/B Switch Key on Master Frequency
Function Key
Number Keys
Up/Down Keys
Channel Knob
Power/Volume Switch
Transmitting Indicator
Singel/Dual Band Switch Key
MIC
Exit Key
Reverse Frequency/Scan Key
Lock Key


RPT Key: Frequency Offset Key/
Selective Call Key
PTT Key
PF1: FM Radio/Scan/Lamp/SOS/
OFF Functions
PF2: Monitor(Holding on)/Lamp
(Short press)
PTT
MIC/SP
Earphone Jacket

Basic operation

- ***Quick Search***

  Short press ▲ or ▼ key to search the desired function/parameter during your setting, while holding on the key to quick search.

- ***Single/Dual band switch***

  By pressing the TDR can make the transceiver to work on single or dual band.

- ***Working mode switch key***

  In Standby mode, press MENU+TDR can switch frequency mode and channel mode.

- ***Press EXIT powering on, transceiver into Channel mode***

- ***A/B master frequency switch key***

  Press A/B, select master frequency. The one with arrow is master frequency. The one without arrow is sub frequency. Master frequency can transmit and receive. But sub frequency can only receive. When sub frequency receiving, screen show "S".

- ***SCAN Key***

  Short press is for turning on/off reverse frequency function, hold on for 2 second is for turning on scan.

- ***Side key RPT (Frequency Shift/Selective calls)***

  Short press is for frequency shift direction (+R, -R, R, +, -); Hold on for 2 second is for selective calls (In current signaling order)

- ***Side key 2 (Lamp/Squelch key)***

  Short press is for turning on/off lamp; Hold on for 2 second if for turning squelch.

Step Frequency (STEP) ----- MENU 1

Function: Set VFO frequency, adjust frequency steps
Optional: 5K/6.25K/10K/12.5K/25K/50K/100K
Default: 12.5Khz

Squelch Level (SQL-LE) ----- MENU 2

Function: Adjust radio frequency squelch level
Optional: 0-9
Default: 3

Power Saver Mode (SAVE) ----- MENU 3

Function: Turn on/off power saver mode function
Optional: ON/OFF
Default: ON

Transmitting Power Selection (TXP) ----- MENU 4

Function: Select transmitting output power

Optional: HIGH/LOW
Default: HIGH

NOTE

» This transceiver has 5W and 1W transmitting power selectable.
Transmitting power switch in high and low power, in transmitting mode, press TDR can switch output power (between high/low output power), before turn off transceiver, output power is the changed value, and restart transceiver recover the original output power value.

Transmssion Prompt settings (ROGER) ----- MENU 5

Function: Turn on/off roger when ending transmitting
Optional: OFF/ON
Default: OFF

Time-out Timer (TOT) ----- MENU 6

Function: Select transmitting time
Optional: OFF/15-600s
Default: 90s

VOX (VOX) ----- MENU 7

Function: Select VOX level

Optional: OFF/1-9

Default: OFF

NOTE

» The higher level of VOX, the higher volume is needed.

» In SCAN and FM radio modes, the VOX function is not available.

Bandwidth Selection (W/N) ----- MENU 8

Function: Select wide/narrow band to adjust microphone frequency deviation

Optional: WIDE/NARR

Default: WIDE

Voice Guide (VOICE) ----- MENU 9

Function: MENU operation prompt voice

Optional: OFF/CHINESE/ENGLISH

Default: ENGLISH

Dual Standby (TDR) ----- MENU 10

Function: Turn on/off dual standby function

Optional: A/B/AB

Default: AB

Beep Prompt Function (BEEP) ----- MENU 11

Function: Beep is prompt voice function that confirm transceiver operate prompt, faulty operate or trouble.

Optional: ON/OFF

Default: ON

Power On Message (PONMSG) ----- MENU 12

Function: Select power on message display

Optional: OFF/BATT-V/MSG

Default: BATT-V

Busy Channel Lockout (BCL) ----- MENU 13

Function: Turn on this function can prevent other radio that is communicating, if selected channel is been used by others, then this transceiver can not transmit when press PTT.
Optional: ON/OFF
Default: OFF

Busy Channel Lockout Type (BCL-TP) ----- MENU 14

Function: Select busy channel lockout type
Optional: WAVE/QT
Default: WAVE
WAVE: When receiving any carrier signal, transmission is forbidden.
QT: When CTCSS/DCS is not matched each other, the transmission is forbidden.

Auto Lock (AUTO LOCK) ----- MENU 15

Function: Setting locking the keypad after 15s when powering on the radio.
Default: OFF
Keypad manually lock, in standby, hold "#" for 2 second to lock the keypad, hold # 2 seconds again for unlock the keypad.

Keypad Lock type (LK-EN) ----- MENU 16

Function: select keypad lock type
Optional: PART/ALL
Default: ALL
ALL: All lock
PART: Except PTT/Side key2/Channel Encoder, the other keys are locked.

Receiving CTCSS (R-CTC) ----- MENU 17

Function: Select receiving CTCSS
Optional: OFF/50 groups standard CTCSS/Nonstandard 60.0-259.9Hz
Default: OFF

Transmitting CTCSS (T-CTC) ----- MENU 18

Function: Select transmitting CTCSS
Optional: OFF/50 Groups Standard CTCSS/Nonstandard 60.0-259.9Hz
Default: OFF

Receiving DCS (R-DCS) ----- MENU 19

Function: Select receiving DCS

Optional: OFF/107 Groups Standard DCS/Nonstandard 001-777Hz

Default: OFF

Nonstandard DCS RANGE 001-777, except any one include 8 or 9. (Such as 680.719 is no legal nonstandard DCS.

Nonstandard CTCSS set can select positive and inverse code by #lock, and turn off by scan.

Transmitting DCS (T-DCS) ----- MENU 20

Function: Select transmitting DCS

Optional: OFF/107 Groups standard DCS/Nonstandard 001-777

Default: OFF

Scan Mode (SC-REV) ----- MENU 21

Function: Select scan mode.

Optional: TO/CO/SE.

Default: SE

TO: Scanning continues if no operation is conducted to the transceiver within 5 seconds after receiving signals.

CO: Scanning will continue when the transceiver received signal, and it will go on scanning after signals disappeared for 3 seconds.

SE: Scanning will continue when the transceiver received signals.

All received signal, press PTT or MENU to memorize.

Channel A Display Mode (A. DISP) ----- MENU 22

Function: Select channel mode display mode

Optional: CHANNEL/FREQ/NAME

Default: FREQ

Channel B Display Mode (B. DISP) ----- MENU 23

Function: Select channel mode display mode

Optional: CHANNEL/FREQ/NAME

Default: FREQ

Auto Backlight (ABR) ----- MENU 24

Function: Turn on/off backlight
Optional: ON/OFF
Default: ON

Offset Frequency (OFF-SET) ----- MENU 25

Function: Set offset frequency
Optional: 00.000-59.995MHZ
Default: 10.000MHZ

Frequency Shift Direction (SFT-D) ----- MENU 26

Function: Set frequency shift direction
Optional: OFF/+/-
Default: OFF

Channel Name Edit (CHNAME) ----- MENU 27

Function: Editing channel name

Optional: 26 capitals/lower case letters, Number 0-9, special symbol.
Default: CH: ***

Press ▲ / ▼ select character to edit, * SCAN key to edit figure selection, MENU to save.

Channel Memory (MEM-CH) ----- MENU 28

Function: Memorize the requried frequency to special channel.
Optional: Total 199 channels.
Default: 001

Channel Delete (DEL-CH) ----- MENU 29

Function: Delete useless channel
Optional: Total 199 channels.
Default: NULL

Mute Mode (SP-MUTE) ----- MENU 30

Function: Set mute mode.
Optional: OFF/QT/QT+DTMF/QT*DTMF

Default: QT
OFF: Only those signal match will activate the speaker.
QT: When the transceiver is set to this mode, all signals on the same QT frequency will activate the speaker.
QT+DTMF: only those signals which both satisfy the requirements of QT and whose DTMF carrier wave signal also match the transceiver will activate the speaker in this mode.
QT*DTMF: When this mode is active, only those signals which either meet QT requirements or DTMF requirements will activate the speaker.

Scrambler (SCRMB) ----- MENU 31

Function: Turn on/off scrambler
Optional: OFF/1-8
Default: OFF

Scan DCS (SCN-CD) ----- MENU 32

Function: Select scan CTCSS or DCS.
Optional: CTCSS/DCS
Default: CTCSS

If no received signal, can not turn on this function to scan.
To reverse the scanning direction, press ▲ and ▼ or turn Ratory Encode.
When recognize CTCSS or DCS frequency , the frequency will display on screen, then you can press MENU to save.
DCS memory type can be set by program software.

Eliminate tail (STE) ----- MENU 33

Function: Select turn on/off eliminate tail
Optional: ON/OFF
Default: ON

Reset (RESET) ----- MENU 34

Function: Select reset.
Optional: VFO/ALL
Default: VFO
VFO: All menu recover to the factory default value.
ALL: All channel and menu recover to the factory default value.

DTMF ID (DTMFID) ----- MENU 35

Function: DTMF ID.
Optional: 3-6 bit number
Default: 101
ANI ID can be edit by program software.

Caller ID Code Display (ANI) ----- MENU 36

Function: Display caller ID.
Optional: OFF/ON
Default: OFF
This menu only valid when current frequency/channel set as DTMF.
The caller dial mode: called party ID Code + separators + Caller ID (Separator set by program software)
When this function is activiated on, the called party resolution to the transceiver number, it display caller ID.

Define On Side Key (PF1) ----- MENU 37

Function: Define side key function.
Optional: RADIO/SCAN/LAMP/ALARM/OFF

Default: RADIO

Scan CTCSS/DCS Judgement (SCAN) ----- MENU 38

Function: Determine carry frequency CTCSS if match when scanning.
Optional: WANE/QT
Default: WANE
WANE: Only determine carry wave
QT: Determine CTCSS match stop scanning

Memory channel

When working mode is channel mode (MR), will copy all channel parameter of the channel to the memory channel.
When working mode is frequency mode, you can set different frequency shift and frequency shift direction and other channel parameter, then memory channel. Then you can set channel with different frequency in the same band or in the different band.
For example: Memory the Rx Frequency 450.025MHz, Rx CTCSS 67.2Hz, Tx frequency 460.025Mhz TO Channel 10.

1. Entering 450.025 in frequency mode, press MENU +17 into receiver CTCSS setting, select 67.0Hz, press MENU for confirmation.
2. Press MENU+25, set shift frequency as 10.000MHz.
3. Press MENU +28 into memory channel, select channel 10, press MENU to save.
   When into memory channel MENU, current selected channel with original date, the channel NO on the screen is in blink.

DTMF Signaling

This transceiver with function of transmit ANI ID Code/selective calls/ANI ID/DTMF, able to select call/ANI without other communication setting.
Signal order be set up by program software, to be set as DTMF.
Selective calls: Caller transmit the called party's ANI ID.

The called party received the DTMF from caller, Matching and decoding response identity it, and open the speaker.

Example: 1. The signal order of the called transceiver is set as DTMF, squelch is QT+DT, this transceiver is set as 123, Encoding and decoding response type is set to remind +reply
2. When the caller transceiver transmit DTMF (123) to the called party, the caller Release the PTT.
3. When the called party receives the DTMF (123) check with the ID code itself, decoding response to remind + reply when matching (the called party issued a ringing remind, and send the ID code itself to the caller to reply), open the speaker to contact.

Group calls: When any one or more of the received ID code was instead of a group calling code , will be recognized as a group call.
For example, the radio code is set to 001, the group calling code is set to A, so receives the 00A, 0AA, AAA DTMF is the group call. (group calls code should programmed by software)

ANI call:
The caller dial mode: the ID code + seperator + caller ID
After the called party analyses the native ID code, and the ANI function is open, it will display a caller ID code
There are two ways of calling dial mode:
Manual dialing: through the keyboard to send the code

Automatic dialing: set the automatic code by programming software, long press the side button RPT for 2 seconds, the screen display CALL? Through the keyboard selection call group, the radio will automatically sent out code, an then press the PTT button to start talking

5 tones

1. There are 7 groups international standard code
2. there were dived into 15 groups encode and 15 groups decode. Each group encode and decode can be edit 1-16 numbers, and each number is an audio of the corresponding standard codes.
3. the 5 tones of the frequency / channel should be set by programming software, each frequency / channel can choose a group 5 tones
4. in standby, long press 2 seconds the side key RPT will send out the 5 tones encode group of current setting

For example,

1. through the programming software, select 1 group CCIR. Set the first encode is 123456, the second decode is 123456
2. set caller, the first channel, signal type is 5 tones, select the first group encode
3. set the called party, the second channel, signal type is 5 tones, select the second group decode
4. the caller long press the side key for 2 seconds, then will send out the first encode
5. the called party received the first group encode sent by the caller, matching with the second group decode itself. When

matching successfully will issue ring and open the speaker, it can talk.

FM radio

Defined the side key PF1 was FM radio, and FM frequency range is 76-108 Mhz.

1. start radio

In standby, press PF1 to start the FM radio, then the screen will display the frequency spot.

2. automatic scan radio

Press ✱ SCAN to start auto scan FM radio. When received the FM, the scan will automatically stop. During scan, please press the up and down key to star the rotation od the scan direction.

3. tune the radio

In FM, through the keyboard input or press up and down key to manually tune the radio.

4. radio storage

20 group memory channel of the FM radio should be edit by programming software. In FM, press EXIT to enter the tune mode, press the up and down key to select the channel group.

5. radio exit

When exit the FM radio, please press the side key PF1 again.

When FM radio works, the current frequency or channel will still in standby, it will automatically return to the transceiver

mode when receive the signals. It will turn back to the FM mode after the signal disappear for 5 second. After pressing the PTT to transmit, it will turn back to the FM mode 5 seconds later.

Restart the radio in FM mode, it will still in FM mode, should manual exit the FM mode.

Stun and kill function

1. stun

   Main control code of the called party + fixed code(CB) + the ID of the called party, and then to carry out the stun function

2. kill

   Main control code of the called party + fixed code(AB) + the ID of the called party, and then to carry out the kill function

3. cancel stun

   Main control code of the called party + fixed code(DA) + the ID of the called party, and then to cancel the stun function

4. kill state should be canceled by programming software to remove it.

   (it's needn't to set the programming software, kill can canceled by directly edit)

Appendix 1 (CTCSS)

CTCSS									
1	67.0	11	94.8	21	131.8	31	171.3	41	203.5
2	69.3	12	97.4	22	136.5	32	173.8	42	206.5
3	71.9	13	100.0	23	141.3	33	177.3	43	210.7
4	74.4	14	103.5	24	146.2	34	179.9	44	218.1
5	77.0	15	107.2	25	151.4	35	183.5	45	225.7
6	79.7	16	110.9	26	156.7	36	186.2	46	229.1
7	82.5	17	114.8	27	159.8	37	189.9	47	233.6
8	85.4	18	118.8	28	162.2	38	192.8	48	241.8
9	88.5	19	123.0	29	165.5	39	196.6	49	250.3
10	91.5	20	127.3	30	167.9	40	199.5	50	254.1

Appendix 2 (D.C.S)

D. C. S (positive code)										76	D454N	92	D624N
1	D017N	16	D072N	31	D156N	46	D252N	61	D346N	77	D455N	93	D627N
2	D023N	17	D073N	32	D162N	47	D255N	62	D351N	78	D462N	94	D631N
3	D025N	18	D074N	33	D165N	48	D261N	63	D356N	79	D464N	95	D632N
4	D026N	19	D114N	34	D172N	49	D263N	64	D364N	80	D465N	96	D645N
5	D031N	20	D115N	35	D174N	50	D265N	65	D365N	81	D466N	97	D654N
6	D032N	21	D116N	36	D205N	51	D266N	66	D371N	82	D503N	98	D662N
7	D036N	22	D122N	37	D212N	52	D271N	67	D411N	83	D506N	99	D664N
8	D043N	23	D125N	38	D223N	53	D274N	68	D412N	84	D516N	100	D703N
9	D047N	24	D131N	39	D225N	54	D306N	69	D413N	85	D523N	101	D712N
10	D050N	25	D132N	40	D226N	55	D311N	70	D423N	86	D526N	102	D723N
11	D051N	26	D134N	41	D243N	56	D315N	71	D431N	87	D532N	103	D731N
12	D053N	27	D143N	42	D244N	57	D325N	72	D432N	88	D546N	104	D732N
13	D054N	28	D145N	43	D245N	58	D331N	73	D445N	89	D565N	105	D734N
14	D065N	29	D152N	44	D246N	59	D332N	74	D446N	90	D606N	106	D743N
15	D071N	30	D155N	45	D251N	60	D343N	75	D452N	91	D612N	107	D754N

Troubleshooting

Before assuming your transceiver is broken, please check your transceiver according to the following table; if the problem problem persists, you can reset the transceiver, which sometimes.

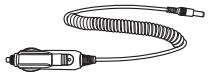
Fault	Solution
Reception prompt remains but speaker is silent	» Check that the volume knob has been set to maximum. » Please reset CTCSS/DCS to check whether different channels from other group members have been set. » Check whether mute settings are correct.
Keypad is unresponsive	» Check whether keypad has been locked. » Check whether other keys have been pressed.
Other voices (not from group members) appear in the channel.	» Please change the CTCSS / DCS code.
In standby, automatic transmission without pressing PTT key	» Please check if VOX function is active or VOX level is too low.

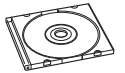
Troubleshooting

Fault	Solution
Can not enter scanning mode	» Please see if the scan group channel, Scan Add function is turned on.
Cannot set up the cross-band repeater	» Please make sure A/B area is on the cross-band repeaters operating frequency.
Cannot transmit in repeat mode	» Please check to see if the receivers squelch and CTCSS / DCS settings are correct.

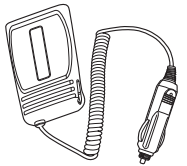
Optional Accessories and Announcement

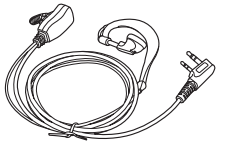

Six-way Charger

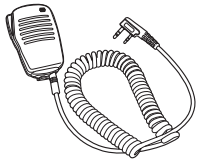

Car Charger


Programming Software


(SL16) (BNC)
Antenna Adaptor


Eliminator


Headset


MIC/Speaker

Optional Accessories and Announcement

Endeavors to achieve the accuracy and completeness of this manual, but it is still not perfect for any possible omissions or printing errors. All the above is subject to be updated without prior notice.

English Version: ME-UV66-1411-V1

Warranty Card

Model: _____

Serial No.: _____

Dealer's Company: _____

Tel.: _____

Quanzhou E-Vote Electronics Technology Co.,Ltd.
Address: Room 315, Building A, E-Commerce Base Exhibition Hall Licheng District Quanzhou Fujian China

Cut along the dotted line and mail the bottom half of this card within 20 days from the date of purchase to the dealer from whom you bought the equipment.

WARRANTY REGISTRATION CARD

Model: _____ Serial No.: _____

Purchasing Date: _____ Customer: _____

Dealer's Company (stamped valid): _____ Tel.: _____

Address: _____

Warranty Card

WARRANTY POLICY

- We warrant this equipment against defects in material and workmanship, for a period of one year from the date of original purchase.
- The warranty is limited to repairing and replacing only the defective parts, and is not valid if the transceiver has been tempered with misused or damaged.
- If service or repair is required within the warranty period, repair will be made free of charge by the dealer through whom the equipment was purchased.
- If the owner requires any service or repair to any dealer through whom the equipment was not purchased, the repair cost must be paid by the owner.
- This warranty is valid if the card is properly filled in and mailed to the dealer through whom the equipment was purchased within 20 days from the date of purchase and is limited to the terms and conditions contained herein.
- The warranty is invalid when:
  a. The original warranty card is not present or completed properly.
  b. The damages are caused by the unauthorized disassemble, repair, improper use, refit or replace any part of this equipment, the Serial Number defaced or altered.
  c. The damages are caused by the unavoidable conditions or human destroy.
- The terms of warranty are subject to be revised by the manufacturer without prior notice.

Maintenance Record

Date	Fault	Replaced Parts	Technician