radtel RT-860
USER MANUAL

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PRECAUTIONS

Please observe the following precautions when using this product to avoid fire, personal injury, damage to equipment or other accidents:

① Do not use the equipment in inflammable and explosive environment (such as gas, dust, smoke, etc.), please turn off the equipment when refueling or parking at the gas station.

② Do not place the equipment in dusty, wet or splashed places or on uneven surfaces.

③ Please use this equipment away from interference sources (such asTV,computer, distribution cabinet, etc.).

④ Do not transmit while charging.

⑤ Don't use radio while driving.

⑥ Do not expose the device to direct sunlight for a long time or place it near the heating device.

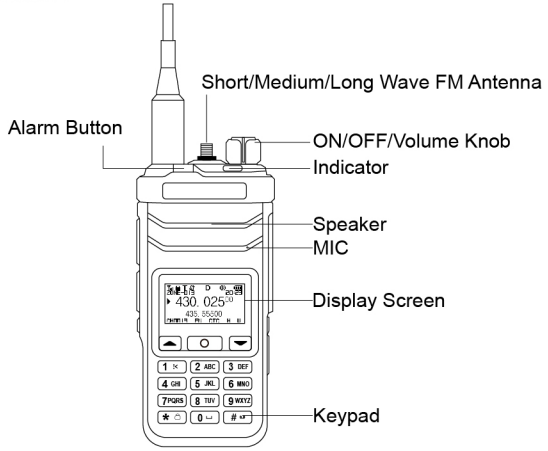
⑦ If the equipment emits abnormal odor, it must be turned off immediately. After ensuring safety, it should be sent to the nearest maintenance site for inspection.

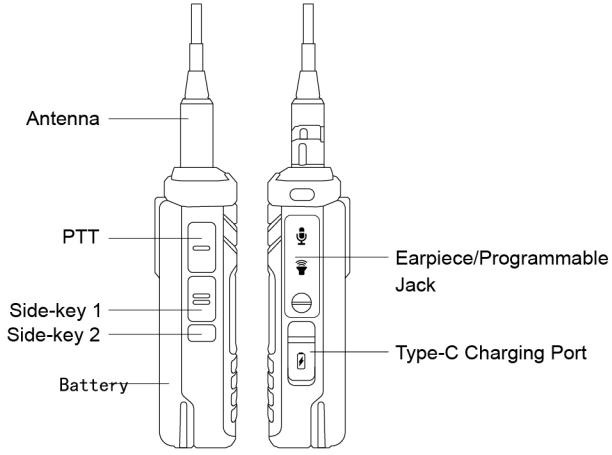
⑧ Do not modify or adjust this equipment for any reason.

⑨ Please obey the local laws and regulations.

Disclaimer: The customer shall bear all the responsibility for the equipment failure or accident caused by the customer's violation of the above precautions, and the company shall not be responsible for it.

Familiar with Radio

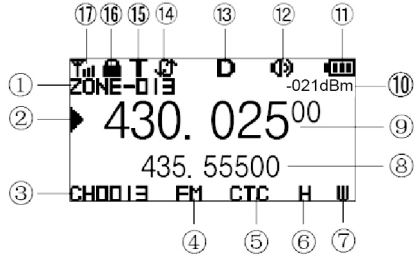




Keypad Function

Keys	FUNCTION
PTT	Transmit or Exit
Alarm Key	Definable long press and short press functions
Side key 1	Can be selected as secondary PTT via Menu, and definable function is not available.
	Definable long press and short press functions
Side key 2	Definable long press and short press functions
	DTMF： A
○	Short press to confirm or enter into menu
	Long press to enter DTMF inputting while under standby status, or to exit while under menu interface
	DTMF： C
▲	Switch upwards
	DTMF： B
▼	Switch downwards
	DTMF： D
0	Short press:input number 0
	Long press:definable functions
	DTMF：0
	To input Number 0 or Space Bar
1	Short press to input Number 1
	Long press to definable functions
	DTMF：1
	to input Number 1/English Letters/Chinese Characters
2-9	short press to input Number 2-9
	Long press to definable functions
	DTMF：2-9
	to input Number2-9/English Letters/Chinese Pinyin Codes
*	short press to switch from channel frequency /channel number/channel Alias
	long press to lock the keypad
	DTMF：*
	To Delete
#	Switch working mode from VFO frequency mode/channel mode/zone mode
	DTMF：#
	to active inputting status and switch input methods

LCD Display



1.VFO MODE /CH MODE /ZONE-XXX Mode，XXX means current working zone
2.Main frequency icon
3.Channel number
4.AM or FM Analog RX modulation
5.CTC analog channel with sub-tones/DCS analog channel with digital sub-tones/ENC analog channel with encrypted sub-tone/MUT analog channel with decoded sub-tone
6.H/L :High/Low Power
7.W/N Wide/Narrow Band
8.Sub-display information
9.Main Display information
10.RSSI Value
11.Battery Power
12.Beep
13.Dual standby
14.Scanning
15.R-Talk around /T-Freq Inverse
16.Keypad Lock
17.Signal Icon

01 Basic Set

The settings include Basic Set, Key Define, Analog Set, Channel Set, Zone Set, FM Radio, Time Manage

Menu	Sub Menu	Function
01 Name/Callsign	Edit name	Set radio name or callsign, Press * to delete input, press # to select input method.
02 Voice Prompt	On off	Turn on/off voice prompt.
03 Key Beep	On off	Turn on/off keypad beep.
04 Lock Timer	Off, 5s-600s	The time to lock keypad.
05 Brightness	0-6 level	Choose the brightness level of the background light.
06 Backlight	On off	Turn on/off display backlight.
07 Light Timer	Off, 5s-600s	The time to Turn off the backlight.
08 Menu Exit	Off, 5s-600s	The time to exit menu.
09 State Timer	Off, 5s-600s	Show voltage,time,date.
10 Dual Standby	On off	Select dual standby or single standby.
11 TX priority	Edit	Always transmit at main band.
	Busy	Switch to busy channel as the main band.
12 Freq Step	0.25K,1.25K,2.5K,5K, 6.25K,10K,12.5K,20K, 25K,50K,100K,500K, 1M,5M	Set the frequency or scan step
13 Talk Around	Off, Talk Around, Invert Freq	Set repeater mode or normal mode
14 Save Mode	Off,1:1-1:3	Set the power saving ratio
15 Scan Mode	CO	The walkie talkie stops scanning and remains at the same frequency when it detects a signal;Until the signal disappears. There is a 2-second delay between signal disappearance and scan recovery

Menu	Sub Menu	Function
15 Scan Mode	TO	When the walkie talkie detects a signal, it stops scanning and remains at the same frequency. After preset item, the walkie talkie will continue scanning even if the signal is still present.
	SE	Upon detecting a signal, the walkie talkie exits the scan and remains at this frequency
16 Scan Direction	UP, DOWN	Set the scanning direction
17 Scan Dwell	0-30	Set the scan stop time for TO scan mode
18 Scan Return	Original CH Current CH	Set the current channel after scanning
19 Alarm Type	Local Alarm	Radio emit the alarm sound
	Remote Alarm	Send an alarm sound to other radios,but this radio does not emit any sound
	Local+Remote	Both radios emit alarm sound
20 Main PTT TX	Area A Main Area	Transmit in main area or always transmit in A area
21 Dual Display	Dual Single	Dual display or Single display
22Area A Mode	CH mode Zone mode Freq mode	Set the Channel mode, Frequency mode or zone mode
23 Area A Show	Show CH No Show Freq Show Alias	Set the display way in the selected mode
24 Area A Zone	Zone1-Zone256	Set the zone numbers
25 Area B Mode	CH mode Zone mode Freq mode	Set the Channel mode, Frequency mode or zone mode

Menu	Sub Menu	Function
26 Area B Show	Show Freq Show Alias Show CH No.	Set the display way in the selected mode
27 Area B Zone	Zone-001- Zone-256	Set the zone numbers
28 Save CH	CH-0001- CH-1024	Save the frequency and tone into channels
29 Delete CH	CH-0001 CH-1024	Delete the frequency and tone in this channel
30 Instruction	barcode	Scan barcode to get user manual
31 LCD Contrast	0-30	Display contrast, the higher the value, the deeper the contrast. After setting, a restart is required
32 Freq Input	6 bits 8 bits	Input frequency in 6 bits or 8 bits
33 Initialization	Cancel Ensure	Confirm or cancel the initiaization
34 Version		Show the version information

02 Key Define

Menu	Sub Menu	Function
01 Slaver PTT	On, off	Set the side key 1 as the PTT button
02 Side key 1 S	None,	Set the side key 1, side key 2, Num0-9 short press or long press
03 Side key 1 L	Monitor	
04 Side key 2 S	H/L Power	
05 Side key 2 L	Dual standby	
06 Alarm Key2 S	Tx priority,	
07 Alarm Key2 L	Scanning,	
08 0 Press Long	Backlight on/off	
09 1 Press Long	Roger beep	
10 2 Press Long	Radio,	
11 3 Press Long	Talkaround	
12 4 Press Long	Alarm,	
13 5 Press Long	Freq Detect	
14 6 Press Long	CTC/DCS scan	
15 7 Press Long	Send Singel Tone	
16 8 Press Long	Status Query	
17 9 Press Long	RX AM/FM Switch	
	Spectrun	
	SQ	
	Freq Step	
	Save CH	
	VOX	
	Deep Sleep	
	Noaa mode	

03 Analog Set

Menu	Sub Menu	Function
01 SQ level	0-10	Setting the squelch to off will open up the squelch entirely, Squelch is silences the receiver when there is no signal. The lower level is easier to interfere, and in the higher level, the sensitivity is not as good as lower tlevel, so It is best to set it to middle
02 TX Start Tone	On, off	The tone before transmitting
03 TX End Tone	OFF Roger Beep 1 Roger Beep 2 Send Radio Name	The tone end transmitting or send radio name
04 Single Tone	1750Hz	Edit the tone frequency in Key Define
05 Mic Gain	0-31	Adjusts the microphone sensitivity, the higher the value, the higher the sensitivity.
06 SPK Gain	0-63	Adjusts the speaker volume, the higher the value, the higher the volume.
07 Glitch TH	0-10	Set Glitch threshold value
08 Detect Range	Frequency range	Set the frequency range to detect frequency from other radios.
09 Repeater Delay	0-2000ms	Set the repeater delay time.
10 DTMF Delay	0-2000ms	Set DTMF delay time
11 DTMF Interval	30-200ms	Set DTMF Interval time
12 DTMF Duration	30-200ms	Set DTMF Duration Time
13 DTMF Mode	Off Tx Start & End	Set transmit the DTMF code
14 DTMF Select	DTMF-01 - DTMF-16	Select DTMF code 1-16
15 DTMF Display	On,off	Turn on off display DTMF decode
16 DTMF TX Gain	0-127	Set DTMF Transmit Gain
17 DTMF RX TH	0-63	Set DTMF Receive threshold

Menu	Sub Menu	Function
18 DTMF Control	0-2000ms	Turn on off DTMF control
19 Time Calibrate	On, off	Remote Time Calibrate
20 RSSI Refresh	0-5	
21 VOX	0-245	
22 VOX Delay	On, off	
23 VOX TH	On, off	

04 Channel Set

Menu	Sub Menu	Function
01 CTC/DCS	Off,#Switch Type	Set up rx and tx sub-tone of current channel.
02 RX CTC/DCS	Off,#Switch Type	Set up rx sub-tone of current channel.
03 TX CTC/DCS	Off,#Switch Type	Set up tx sub-tone of current channel.
04 Set TX Freq	454.525MHz	Set tx frequency of current channel.
05 DCS Encrypt	Standard	Current channel uses standard sub-tone.
	Encrypt 1	Encrypt standard dcs and only available for dcs.
	Encrypt 2	Encrypt standard dcs and only available for dcs.
	Encrypt 3	Encrypt standard dcs and only available for dcs.
	Mute code	Replace the sub-tone of current channel with mute code.
06 Mute Code	00000000	Non standard sub-tone obtained using"freq detect"function.
07 Band Width	Wide/Narrow	The bandwidth occupied by the channel.
08 Tail Tone	Off,on	At the end of tx eliminate the receiver's tail sound.
09 Scrambler	Off,1-8	Interference frequency added to speech
10 Busy Lock	Off	Allow transmission upon receiving signal
	Carrier Match	When receiving a signal,transmission is not allowed.
	CTC/DCS Match	Transmission is only prohibited when CTC/DCS matches.
11 TX Power	Low, High	Set the transmission power to high or low
12 Scan Add	Add, Remove	Add the current channel to the scanning queue.
13 TOT	Off, 5S-60S	The time allowed for continuous transmission on the current channel.
14 CH Alias		The alias of the current channel
15 Offset Dir		Set frequency offset direction of the current channel.
16 Offset Freq	000.00000MHZ	Set frequency direction of the current channel.
17 AM/FM RX	FM, AM	Set the demodulation standard of the current channel.

05 Zone Set

There are 256 zone for setting, You may edit each zone name and zone channels, there are 1024 channel in each zone.

06 Radio

Menu	Sub Menu	Function
01 RX Standby	Off, on	Exit the radio or not when there is a call signal.
02 Channe1 List CH001-CH128	Edit Name	Exit the alias of the current radio channel.
	Set As Current	Set this channel as the current radio channel,then enter the radio and make the channel alisa effective.

07 Time Message

Menu	Sub Menu	Function
01 APO	Off, on	Set auto power on/off
02 APO Timer	Power off timer	Set power off timer
03 AWU	Off, on	Timed exit from APO sleep state.
04 AWU Timer	0000:30:00	the time to qutomatically exit APO sleep state.

08 Extended:GPS

Note:This function is optional,your radio may not have this function.

Function Description

1.Input Frequency

① switch working mode to VFO frequency mode by pressing # key

② Input frequency via number keys, input 6 or 8 digits. Menu【Radio Set】-> 【 6 or 8 Bits Input】to set the inputting digits.

2.Input Repeater Frequency

Method 1

① Enter into Menu 【Channel Set】-> 【Offset Freq】 to input frequency difference via number keypads.

② Enter into Menu 【Channel Set】-> 【Offset DIR】to set frequency upwards and downwards.

Method 2

Long press # button to enter into 【TX Frequency】and input TX frequency, press ◯ to confirm then go back to previous menu. Press ▲ to set CTCSS/DCS.

3.Transmitting

①Press PTT and will transmit at current frequency, and the indicator lights up red at the same time. ② Press Menu 【Basic Set】-> 【Main PTT TX】 and set up as 【Area A 】, press PTT button and transmit at A frequency always. If set up as 【Main Area】,it will transmit at main frequency all the time.

③ Turn on 【Key Define】-> 【Slaver PTT】,then the shortcut function of side-key 1 is invalid,press side-key 1 to transmit at B frequency.

4.Receiving

The indicator lights up green while receiving. If there is no RX sub-tone, or the sub-tone matches, the speaker works.

5 DTMF

5.1 DTMF Inputting and Sending

① press ◯ to enter DTMF inputting interface while under standby status.

② Press numeric keys to input DTMF codes, press * to delete the last code (short press side-key 1 to delete when it doesn't use as second PTT);

③ Press PTT to call, the device will send DTMF code to receiver after appointed delay time

5.2 While the device enter into receiving status, the display will show up the sender's DTMF code if turn on DTMF decoding.

5.3 Press keypads to send relative DTMF code while under analog transmitting status.

5.4 DTMF Remote Monitor

① Open the DTMF Control setting in (Analog Set).

② other radios send DTMF code with same monitor code to this radio.

③ After decoding successfully,the radio will transmit for 60 seconds automatically to make remote monitor happen.

5.5 DTMF Stun/Kill/Activate

① set up a DTMF code for Stun/Kill/Activate, and turn on 【DTMF Control】

② Other radios will do Stun/Kill/Activate to this radio when they send relative DTMF code.

The radio cannot be use until receive activate code once it is in Kill status. The radio can receiving,but cannot input anything via keypad or transmitting once it is in Stun status.

Note:should set up Activate code once Stun/Kill code is set up, or the device cannot be activated.

6 Text Input

6.1 Press # to switch inputting methods, press * to delete inputting when under text input status.

6.2 Press number keys 【123】 to input numbers.

6.3 English Letters Inputting 【AB】【abc】

① Number 2-9 can input relative English letters, press Number 0 to input space, Number 1 to input English symbols.

② Press same button to switch to different letters.

7 Function of Definable keys

[Monitor] nter into receiving and playing status once trigger this key.

[H/L Power] To switch high/low power of current channel.

[Dual Standby] To turn on/off dual standby. The power saving mode is invalid once the dual standby turns on.

[TX Priority] To switch priority RX to**[Edit]** or **[**Busy**]** . Once set up to Busy status, the main frequency will shift to the calling frequency automatically when the calling ends.

[Scanning] Press this button to enter into scanning status, and press arbitrary keys to exit.

[Backlight On-off] Press to turn on/off backlight.

[Roger Beep] To switch the RX end tone types.

[FM Radio]

① press define side button to enter into FM status, press PTT to exit.

②You can switch the cursor position using the * key. Use ▶ iconicon to show the

current setting: 1 is for input frequency, 2 is for changing the channel number, with a total of 128 channels available. 3STEP is for step frequency, 4BW is for receiver bandwidth, 5LNA is for receiver signal gain (which is actually attenuation), 6AGC is for beat frequency, mainly used for adjusting audio distortion when receiving single-sideband signals. (press ▲/▼ to switch selected sub menu)

③To switch between different bands, press and hold the # key. A short press of the # key switches between the shortwave (SW), medium wave (MW), and longwave (LW) bands, as well as between upper sideband (USB), lower sideband (LSB), and continuous wave (CW) modes.

④Press # button to switch FM modulations, there are four types to switch from : USW(Ultra Short Wave:64-108MHz), SW（Short Wave: 2.3-26.1MHz）, MW（Medium Wave: 520-1710KHz）, LW（Long Wave: 153-279KHz）.

⑤ Note: USW is fixed to FM modulation and cannot change. Other bands can switch to AM/USB/LSB/CW.

Note: when use single side band (USD/LSB) modulation, if there is sharp sound, turn down BFO value. If there is deep sound, turn up BFO value.

[Talkaround] To switch repeater frequency to Talk-Around or Frequency Reverse. To transmit at RX frequency under Talk-Around status. To interchange frequency of RX and TX under frequency reverse mode.

[Emergency Alarm] Press the button to enter into emergency alarm status and make an alarm sound, press arbitrary keys to exit..

[Freq Detect] /[Remote CTC/DCS Scan]

① press this button to enter into frequency detecting or remote sub-tone decoding mode, and the device will scan the RX signal nearby.

② press 0 button to switch from frequency detecting to remote sub-tone decoding.

③ press * or PTT to exit during frequency detecting, press # to switch detecting bands.

④ Press * to re-detect after detecting done. Press ○ to save detecting results to VFO channels, and return to VFO standby mode. Press PTT to transmit signals.

[Send Single Tone] Press this button to transmit a single frequency signal at current frequency.

[Status Query] Press this button to check time, battery power etc.

[Remote Monitor] Available for digital channels and Individual Call Contact. Press this button to make a 15-second call to monitor the surrounding sounds.

[RX AM/FM Switch] Switch current channel to AM/FM modulation. AM modulation is used for receiving air-band signals.

[Spectrum Mode] ① press this button to enter into spectrum scanning mode, press * button to exit;

② Press # button to enter into inputting status, there are 3 inputting items, central frequency is at upper-left, SPA means step space which is frequency spacing of

adjacent waves, the unit is KHZ. DEC means amplitude attenuation, and the whole spectrum height drops so that to investigate the difference between main signal and adjacent signal;

③ Press ▲/▼ to switch the cursor position. The cursor is at the bottom of the display. It will shows the frequency value of the cursor position at the left bottom while moving the cursor. The 3 data on left means the signal index, RSI is signal strength, NOI is signal noise strength, GLC is signal strength of adjacent channels.

[Squelch] press this button to shift to 【Squelch Level】to choose the squelch value.

[Freq Step] press this button to enter into 【Freq Step】to choose the value.

[Save Channel] press this button to save channel data.【VOX】press this button to turn ON/OFF VOX.

Press this button to enter into low energy consumption status, press this button again to activate or the shutdown timer exceeds the APO, the radio will turn on again. The system time doesn't have maintenance function, if want to keep the system time under shutdown status, please set up as Deep Sleep function to make the radio into dormancy status.

[NOAA Mode] press this button to enter into NOAA scanning mode,and switch NOAA channels via channel knob. The radio will start to scan NOAA automatically when not any operation for 6S. The followings are NOAA frequencies.

1	162.55000M	2	162.40000M	3	162.47500M
4	162.42500M	5	162.45000M	6	162.50000M
7	162.52500M	8	161.65000M	9	161.77500M
10	161.75000M	11	162.00000M		

Menu Specifications

Radio Setting

[Name/Call Sign] To change the alias of this radio,can set up as the owner's alias or calling number. When set up as 【Send Radio Name】 in menu list 【Analog Set 】-> 【TX End Tone】,the alias of this radio will be sent out to receiver's after analog calling ends.

[Lock Timer] The keypad will lock automatically when there is not any operation of the radio within the appointed time while under standby status. Long press * button to unlock the keypad.

[Light Timer] To set up the shutdown time of backlight. Set up as **[Off]** then the radio will turn off the timer, the backlight no longer turn off automatically.

[Menu Exit] The radio will exit menu interface automatically once there is no any operation within appointed time.

[Save Mode] To save power consumption while set up the Power Saving function. But there is delay for RX ,omitting or missing messages under power saving status. Otherwise, the radio cannot set up as power saving while under dual standby status.
[Scan Mode] Set up as **[**CO**]** ,the radio will resume scanning once the received signal ends. Set up as **[**TO**]** , the radio will resume scanning after it receives signal and stay for a while. Set up as **[**SE**]** ,the radio stops scanning once it receives signals.
[Scan Direction] Scanning upwards and downwards.
[Scan Dwell] To set up the signal stay time while under**[**TO**]** status.
[Scan Return] Set up as **[Original CH]** too return to original status after scanning done. Set up as **[Current CH]** to stay at current channel after scanning done.
[Alarm Type] Set up as **[**Local Alarm**]** to make an alarm sound once trigger alarm. Set up as**[Remote Alarm]** to send alarm signals to remote radio and this radio doesn't make any sound itself. Set up as **[Local + Remote]** this radio makes an alarms sound and send alarm signals to remote radios while trigger this function.
[Main PTT TX] Set up as **[**Area A**]** ,press PTT to transmit at A band. Set up as**[**Main Area**]** , press PTT to transmit at main band.
[Dual Display] set up as 【Single】,the screen will show up one channel(frequency value or channel number), and the channel name will show up at the same time.
[Save CH] Copy current channel to appointed channel and save it .
[Delete CH] Delete the data of selected channel.
[LCD Contrast] The higher the value, the deeper the contrast. And need to restart the radio to complete the setting.
[6 bits or 8 bits inputting] when set up as 6 bits, input 6 bits the frequency inputting is done. When set up as 8 bits, needs 8 bits to finish frequency inputting.
[Initialization] The frequency data will return to the last programming status.

Definable Key
[Slaver PTT] Set up as 【On】and the side-key 1 will be the secondary PTT. The preset functions will be invalid when press side-key 1 to transmit at B band.

Analog Communication Setting
[Tone Freq] The higher the value, the more difficult to turn on receiving.
[TX Start Tone] To set up single tone frequency of definable function **[**Send Tone**]**.
[MIC Gain] To adjust the MIC receiving sensibility. The higher the value , the more sensibility the MIC.
[SPK Gain] To adjust the speaker's volume. The higher the value, the louder the speaker. To avoid audio distortion, please don't turn up the speaker highly.
[AM DAC Gain] while receives air-band frequency, if gets stronger signal,due to

the larger AM signal that causes audio distortion, can turn down DAC gain to get clear signals.
[DTMF Delay] If DTMF tone is needed, it will be sent out at appointed time.
[DTMF Interval] To set up the interval of two DTMF codes.
[DTMF Duration] To set up the lasting time of individual DTMF code.
[DTMF Mode] To set up sending time of DTMF code. The radio will not send DTMF code while transmitting, when the radio set up as**[**Off **]** .
[DTMF Select] To send one of 16 preset DTMF codes while transmitting.
[DTMF Display] The received DTMF code will show up on the display once the radio set up as **[**On**]** .
[DTMF TX Gain] [DTMF RX TH] There are difficulties while decoding DTMF codes of different brands radios. By adjusting the value of these two options,the DTMF codes of different brand radios can be compatible. Encode gain 64 and decode threshold 24 are recommended.
[DTMF Control] Other radios can take charge of this radio by sending same DTMF code of monitor/Stun/Kill/Activate, when the radio set up as **[**On**]** .
[RSSI Refresh] To change the refresh interval of the RX field. While under weak signal status, the refresh speed is too fast, which will cause interference sound. Then please turn up the refresh interval.

Channel Setting
[CTC/DCS] [RX CTC/DCS] [TX CTC/DCS] To set up sub-tone of current channel. To switch the types via * key.
[Set TX Freq] to set TX frequency value while need to set repeater frequency and no need to set**[**Freq Step**]** and**[**Freq Direction**]**
[DCS Encrypt] choose**[**Encrypt 1/2/3**]** to encrypt standard DCS and only available for DCS. Choose**[**Mute Code**]** then the preset DCS is invalid and use this**[**Mute Code**]** to be current DCS.
[Mute Code] via one-click privacy can detect non-standard DCS of other radios.
[Scan Add] Set up as **[Remove]** ,the radio will not scan this channel while scanning.
[Offset Dir] Set up **[Offset Freq]** before setting up frequency direction. When selects **[Upward]** , the TX frequency = RX frequency + frequency difference. When selects **[Downward]** , the TX frequency = RX frequency - frequency difference
[Offset Freq] Set up frequency difference as 0, if need to turn off the frequency difference of current channel.

Zone Setting
It has 256 zones and can be editable. Press **#** key to select or cancel channels.

FM Radio

[RX Standby] Set up as **[On]**,the radio can standby the calling signal of main channel while under FM radio status.

[Channel List] there are 128 preset FM radio channels, choose the needed channel and press ○ to confirm. Can enter into Edit Name , or set the needed channels to current FM channel. （this operation will turn on the FM radio automatically, and enter into FM radio interface, and channel information is editable under FM status） .

Time Management

[APO] To **[On]** or**[Off]** the auto shutdown function.

[APO Timer] If not do any actions on the radio , the radio will shutdown automatically when activate this function.

[AWU] choose **[**ON**] /[**OFF**]** to activation function automatically.

[AWU Timer] When the APO timer reaches the preset AWU timer, the radio stops dormancy and back to working status.

Specification

General	
Frequency Range	**Radio:** FM 64-108MHz SW 2.3-26.1MHz MW 520-1710KHz LW 153-279KHz **RX:** 18-520MHz(AM or FM) **TX:** 136-174MHz 400-480MHz
Channel Capacity	1024 Channels +2*VFO Channels
Channel Spacing（W/N）	Analog:25kHz/12.5kHz Digital:12.5K
Voltage	7.4V DC
Working Mode	Same frequency simplex,different frequency simplex
Antenna	Removable Antenna
Frequency Stability	±2.5ppm
Working Temperature	－20℃～＋60℃
Dimension	137 * 60 * 36 about 255g
Transmitting Part	
Modulation Mode	F3E
Maximum Frequency deviation（W/N）	≤5KHz /≤2.5KHz
SNR（W/N）	-45dB/ -40dB
TX Current	≤1500mA
Receiving Part	
Sensitivity（W/N）	0.22μV/ 0.25μV 12dB SINAD
Inter modulation（W/N）	65dB/ 60dB
Audio Distortion	＜5%
Audio Output Power	≤1W（16Ω）
RX Current	≤350mA
Standby current	≤70mA

Note: The above parameters are subject to change without prior notice!