



Qixiang Electron Science & Technology Co., Ltd.

www.anytone.net

AnyTone®

AT-5000

Instruction Manual



WARNING

In order to comply with RF exposure requirements for mobile transmitting devices, a minimum distance of 20cm must be maintained between the antenna and all persons.

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1. FUNCTIONS & FEATURES

- TFT LCD display
- 12/24V voltage input
- The aluminum shell of radio ensures good heat dissipation effect
- CTCSS/DCS encoding and decoding function
- Supports multiple microphones (optional)
- BT wireless function (optional)
- PA, CW, AM, FM, USB, LSB multi mode for selection
- Flexible function menu and PC programming software
- DTMF function
- SQ and ASQ functions
- SQ, ASQ enable/disable differential setting function
- RF gain function
- Scanning function
- Dual watch function
- Programmable RB function
- Emergency channel function
- Storage channel function
- NB/ANL function
- HI-CUT function
- ECHO function
- VOX function
- NRC (noise reduction) function
- Power supply voltage protection function
- Timeout timer (TOT) function
- Backlight brightness adjustment
- Keyboard lock function
- Weather channel function

2. ACCESSORIES

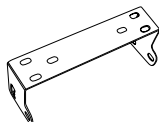
2.1 Standard Accessories



Radio



Microphone



Install bracket



Screws



Pads



Adjusting screws



Microphone Hanger



non-slip mat



Fuse(10A 250V)

2.2 Optional Accessories



PC cable

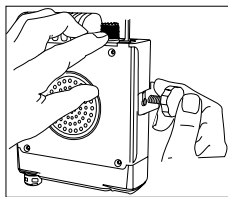
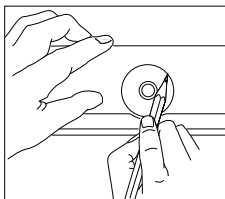


8 ohm speaker

3. INSTALLATION

Choose a idea location to install the radio.

1. Mark the location for screws by intall racket.
2. Fix the bracket by screws.
3. Fix radio base into install bracket and lock by adjusting knobs.



3.1 Microphone Connection

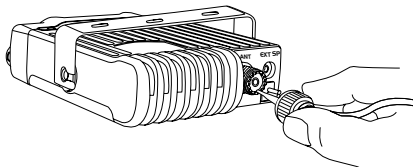
1. Plug microphone connector into jack.
2. Pull on the dustproof cover for microphone connector.



3.2 Antenna Connection

 **NOTE** » Never press PTT before install the antenna, it might burn the transistor.

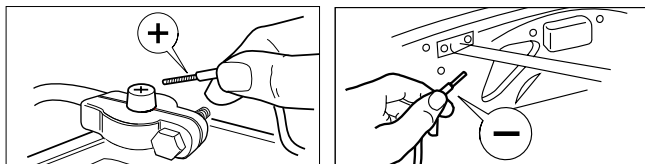
1. Screw on the antenna into antenna jack.
 2. To make full use of this radio, it is necessary to locate the antenna in a well grounded place, and well adjust the SWR.
- * Please enquiry the local dealer for choosing and intallation of suitable antenna.



3.3 Power Connection

This radio adopt 13.2V power supply.

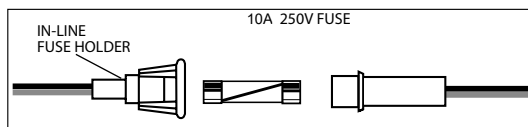
Connect the red wire to the positive terminal of the battery, and the black wire to the negative terminal of the battery.



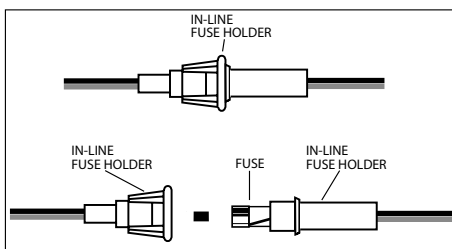
3.4 Fuse Replacement

This radio adopt 10A, 250V fuse

1. Open the fuse holder

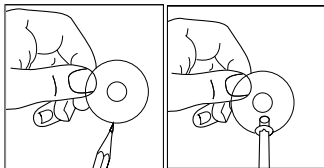


2. Replace the fuse and screw on the holder.



3.5 Intall Microphone Hanger

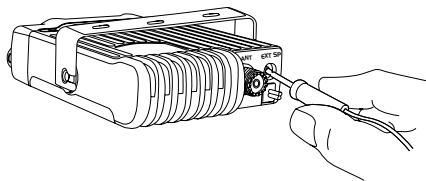
1. Choose idea location and mark for screw point.
2. Fix the hanger by the screws in accessory list.



3.6 Intall External Speaker

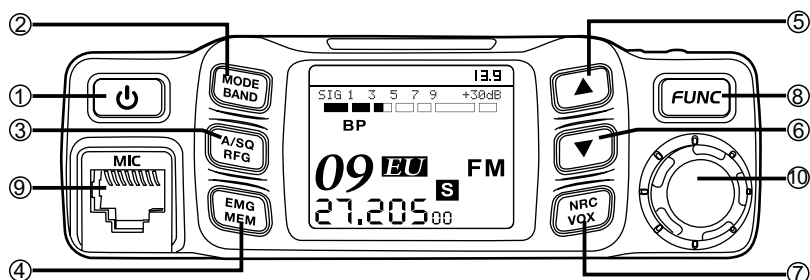
This radio adopt 4-8 ohm, 4W external speaker.

1. Install the external speaker in idea location.
2. Plug in the seaker connector into jack.



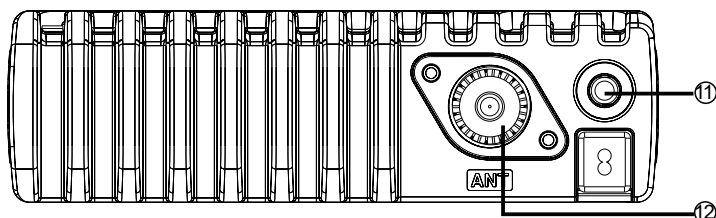
4. GETTING ACQUAINTED

4.1 Front Panel



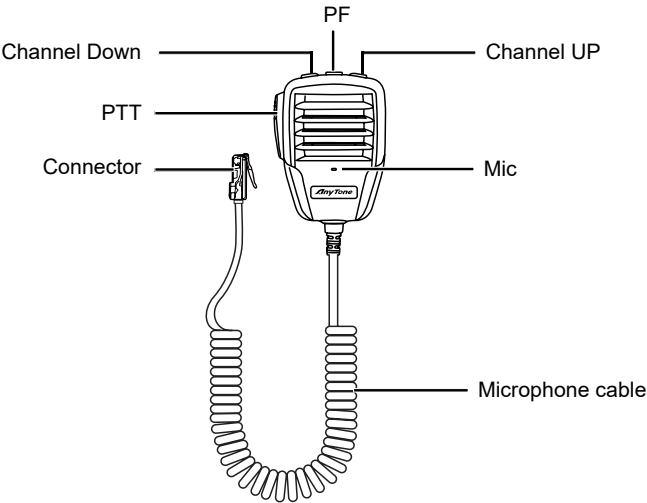
NO.	Key	Functions
1		Power On/Off/Mute
2		Modulation mode / Band switch
3		SQ/ASQ squelch, RF Gain level setting
4		EMG channel / Memory storage channel
5		Channel up
6		Channel down
7		NRC noise reduction function / VOX hands-free
8		Function Menu key
9		Microphone Jack
10		VOL Switch/ Push key/ Key lock

4.2 Rear Panel



NO.	Functions
11	External Speaker Jack
12	Antenna Jack

4.3 Microphone



5. BUTTON FUNCTION OPERATION INSTRUCTIONS

5.1 Power Key

1. Turn on the radio: When the radio is in the shutdown state, short press the  key, the radio will emit a prompt sound, and the screen will display a startup image, indicating that the radio has been turned on.
2. Turn off the radio: When the radio is in the power on state, long press the  key until the screen displays the power on image, release the key, and if there is no display on the screen, it means that the radio power has been turned off.
3. Quick mute: When the radio is in the power on state, short press the  key, the screen displays the **"Speaker Mute On"** image, and the **MUTE** icon is displayed in the upper left corner of the screen. At this time, the radio enters the mute state; Short press the  key again, and the **"Speaker Mute Off"** image will be displayed on the screen. At the same time, the **MUTE** icon displayed in the upper left corner of the screen will disappear to return to the original volume level setting.

5.2 Volume Control Knob

Rotate the knob to select your desired volume, adjust clockwise to increase the volume, and counterclockwise to decrease the volume.

5.3 Key Locking Function

Press and hold the [PUSH] key, and a lock icon will appear at the top of the screen. At this point, the radio will activate the key lock function; Press and hold the [PUSH] key again to unlock.

 » When the key is locked, except for the PTT key which is a valid key, all other keys are invalid keys.

5.4 Modulation Mode Selection

Short press the  key to cycle the modulation mode between FM → AM → USB → LSB → PA → CW.

5.5 Weather Channel Function

Long press the  key to enter the weather channel function, and long press the  key again to exit the weather channel function.

5.6 Squelch SQ Level Adjustment

1. Short press the  key to display the current SQ level on the screen, and rotate the channel knob to adjust the squelch level;
2. Press any key or wait for 3 seconds to automatically save and exit the function settings.

5.7 Automatic Squelch ASQ Level Adjustment

1. Long press the  key to switch to the ASQ function, and the screen will display the AQ character;
2. Short press the  key to display the current ASQ level on the screen, and rotate the channel knob to adjust the squelch level;
3. Press any key or wait for 3 seconds to automatically save and exit the function settings.

5.8 Rf Gain Adjustment

1. Short press the  +  key to enter the RF gain adjustment menu, and the screen will display Rx Gain Level: **xxx**;
2. Rotate the channel knob to adjust the RF gain level;
3. Press any key or wait for 3 seconds to automatically save and exit the function settings.

5.9 Emergency Channel Call

Short press the  key to activate the emergency channel function, and the screen will display "EMG".

1. Short press the  key for the first time to call the CH9 channel;
2. Short press the  key for the second time to call the CH19 channel;
3. Short press the  key for the third time to return to the original channel.

5.10 Storage Channel Call

1. Press the  key +  key to enter the storage channel mode, rotate the channel switch to call the storage channel, there are a total of 16 channels;
2. Press the  key +  key again to exit the storage channel mode.

5.11 Storage Channel Addition

Select the channel which want to be stored, long press the [MEM] key to enter the storage channel mode, rotate the channel switch to select the channel number to be stored, long press the  key until the screen displays the channel that has been stored, and the storage is complete.

- NOTE  » 1. When the screen flashes red MEM, it indicates that the current storage channel has stored data:
- » 2. When the screen flashes blue MEM, it indicates that there is no data stored in the current storage channel:

5.12 Storage Channel Deletion

Select the channel which want to be deleted, press and hold the  key for 3 seconds, and the radio will emit a "beep" prompt sound. The current storage channel has been deleted.

5.13 Channel Selection

1. Short press the [▲]/[▼] or the [UP]/[DN] keys on the microphone to switch the working channel.
2. Long press the [▲]/[▼] or [UP]/[DN] keys on the microphone to quickly switch between working channels.

5.14 Scan Function Enabled

1. Press the **FUNC** key+[▲] key to activate the scan function, and the screen will display the "S" icon;
2. Short press the [▲]/[▼] or [UP]/[DN] keys on the microphone while scanning to change the scanning direction;
3. Press the **FUNC** key+[▲] key again to exit the scanning mode.

5.15 Dual Watch Function

1. Select the channel to watch for, press the **FUNC** key+[▼] key to start the dual watch function, and the screen will display the "DW" icon;
2. Press the **FUNC** key+[▼] key to exit the dual standby state.

5.16 Noise Reduction (NRC) Function

1. Short press the NRC button to turn on or off the NRC function, and the LCD will display the NRC icon;
2. Long press the NRC button for 3 seconds to directly enter to the NRC menu.

5.17 Hands Free VOX Function

Press the **FUNC** key+ **NRC VOX** key, turn on or off VOX function, LCD displays VOX icon.

5.18 SSB Frequency Fine Tuning

When the radio is in the receiving state, press the **FUNC** key to enter the SSB frequency fine adjustment function. Rotate the channel switch to adjust the USB/LSB receiving frequency. Rotate clockwise to increase the frequency, and counterclockwise to decrease the frequency.

5.19 National Mode Selection

1. In the shutdown state, hold down the **MODE BAND** key and do not release it to enter the country mode selection. Rotate the channel knob to select the desired country mode;
2. Shut down, save and exit function settings.

6. MENU OPERATION INSTRUCTIONS

6.1 Function Menu Operation Instructions

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the Functions menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Setting details
1	Key Beep	1-5, OFF, Total 6 levels available. Default: 03.
2	CH/VOLSWAP	Knob function selection setting VOL: Volume Adjustment CH: Channel adjustment Default: VOL
3	MicrophoneGain	1-45, Total 45 levels of Microphone Gain available. Default: 33.
4	MicrophoneType	Elcetre: Electret Microphone Dynamic: Dynamic Microphone Default: Elcetre.
5	ECHOVolume	1-32, Total 32 levels available; Default: 28
6	ECHODelay Time	1-32, Total 32 levels available; Default: 28
7	Time OutTimer	1-600s, OFF, Total of 10 minutes available; Default: 180s
8	SWRWarning	Set the SWR Protection function, 1.0-20.0 available for users to choose from, OFF to disable the SWR Protection function Default: 20.0
9	Scan Type	Squelch: Squelch based scan function; Time: Time based scan function; Default: Squelch

NO.	LCD display	Setting details
10	Dimmer	1-5, 5 backlight dimmer levels available; Off: Turn off the backlight; Default: 5
11	DWSetting	Set the Dual Watch channel, mode and band:
12	EMG 1Setting	Set Emergency Channel 1 and its mode.
13	EMG 2Setting	Set Emergency Channel 2 and its mode.
14	ASQSetting	01-09: Total of 9 Automatic Squelch levels; OFF: Turn off ASQ Default: 05.
15	VOXSensitivity	01-09, Total of 9 VOX sensitivity levels. OFF: turns off the VOX function; Default: 03
16	VOXDelay Time	01-09, Total of 9 VOX Delay Time levels; Default: 03
17	RX NRC	01-05: Total of 5 levels for RX noise reduction; OFF: Turn off RX noise reduction; Default: OFF
18	TX NRC	01-05: Total of 5 levels for TX noise reduction; OFF: Turn off TX noise reduction; Default: OFF
19	SSB TXAudio	HI-4K: 4K audio response; LO-3K: 3K audio response; Default: HI-4K
20	CW Beep	01-63: Adjusts the CW Sidetone level (volume); OFF: CW Sidetone disabled; Default: 31
21	CW Freq	300Hz-3KHz: This menu is to select CW Sidetone frequency; The frequency step is 10Hz; Default: 1050Hz
22	CW RXSetting	USB: select USB for CW RX; LSB: select LSB for CW RX; Default: USB

NO.	LCD display	Setting details
23	CWDelay Time	10-1000MS: TX delay (CW break-in); OFF: No TX delay; Default: 500MS
24	CW Shift	ON: CW RX Shift ON (RX Shift = +/- "CW.FREQ"); OFF: CW RX Shift OFF; Default: OFF
25	S-MeterResponse	SLOW: AGC SLOW response; FAST: AGC FAST response; Default: SLOW
26	Talkback	1-32, OFF, Total 33 levels available; Default: OFF (Disable Talkback function)
27	VoltageProtection	OFF: Disable the Voltage Protection function; ON: Enable the Voltage Protection function; Default: ON
28	TX DRC	OFF: Turn off Dynamic Range Compression function; ON: Turn on Dynamic Range Compression function; Default: ON
29	Clarifier	OFF: Disable clarifier adjustment; RX: Enable RX frequency adjustment; TX: Enable TX frequency adjustment RX+TX: Enable both RX and TX frequency adjustment Default: RX
30	ClarifierFreq Range	500Hz: adjustable range $\pm 500\text{Hz}$; 5KHz: adjustable range $\pm 5\text{KHz}$; Default: 500Hz
31	FactoryReset	MENU: Settings/Functions reset to defaults; ALL: Channels and Settings/Functions reset to defaults; Default: ALL

6.2 Instructions For Operating The Public Menu

1. Long press the **[FUNC]** key to enter the MENUselection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the PD Para menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	HI-CUT	OFF: Disable HI-CUT function; ON: Enable HI-CUT function; Default: OFF.
2	NB/ANL	OFF: Disable NB/ANL function; NB: Enable NB function; ANL: Enable ANL function; NB/ANL: Enable NB/ANL function; Default: OFF.
3	ECHO	OFF: Disable ECHO function; ON: Enable ECHO function; Default: OFF
4	Roger Beep	OFF- 5, Total 6 options. Default: OFF, (RB Disabled)
5	DTMF BOT	BOT: Press PTT to send DTMF encode; <i>Note: If the M1-M16 memory storage has no PTT ID's set, the DTMF function will be defaulted to OFF. DTMF groups can only be selected once they have been programmed.</i>
6	DTMF EOT	EOT: Release PTT to send DTMF encode; <i>Note: If the M1-M16 memory storage has no PTT ID's set, the DTMF function will be defaulted to OFF. DTMF groups can only be selected once they have been programmed.</i>
7	DTMF CALL	CALL: Hold PTT+CALL to send DTMF encode; <i>Note: If the M1-M16 memory storage has no PTT ID's set, the DTMF function will be defaulted to OFF. DTMF groups can only be selected once they have been programmed.</i>

6.3 Channel Menu Operation Instructions

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the CH Para menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	BUSY	OFF: Disable Busy Channel Lockout function; ON: Enable Busy Channel Lockout function; Default: OFF
2	RX CTCSS/DCS	CTCSS/DCS: RX setup OFF: Turn off CTCSS/DCS function; CTCSS: 67.0Hz~250.3Hz, Total 38 tones; DCS: D023N~D754N, Total 104 codes; Default: OFF
3	TX CTCSS/DCS	CTCSS/DCS: TX setup OFF: Turn off CTCSS/DCS function; CTCSS: 67.0Hz~250.3Hz, Total 38 tones; DCS: D023N~D754N, Total 104 codes; Default: OFF
4	RX&TX CTCSS/DCS	CTCSS/DCS: RX+TX setup OFF: Turn off CTCSS/DCS function; CTCSS: 67.0Hz~250.3Hz, Total 38 tones; DCS: D023N~D754N, Total 104 codes; Default: OFF
5	Add to Scan	Add: LCD displays "S", present channel is added to scan list. Skip: LCD does not display "S", present channel is not added to scan list. Default: Add
6	PUBLIC	OFF: Choose independent channel menu; ON: Choose public channel menu; Default: ON <i>Note: When OFF is selected, additional hidden public channel menu will appear. These are the same as shown in 'Section 6.2'.</i>

6.4 DTMF Menu Operation Instructions

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the DTMF Para menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	Send Time	DTMF transmit time, This product offers 50 levels ranging from 10ms~500ms for selection; Default: 100ms
2	First Digit Time	First digital delay time, This product offers 11 levels ranging from OFF,100ms~1000ms for selection; Default: 200ms
3	First Digit Delay	Pre-carrier time, This product offers 25 levels ranging from 100ms~2500ms for selection; Default: 300ms
4	*and# Tone	* and # delay time; This product offers 4 levels ranging from OFF,100ms~1000ms for selection; Default: OFF
5	D Code Assignment	D code setting time; This product offers 17 levels ranging from OFF,1s~16s for selection; Default: OFF
6	DTMF Disp	ON: Turn off DTMF sending display OFF: Turn off DTMF sending display Default: ON
7	Autodial Menory	DTMF encode storage list; <i><u>Note: In the DTMF encode storage list (M1-M16), press PUSH to edit DTMF code, then turn channel knob to choose desired value;</u></i>

6.5 Microphone Menu Operation Instructions

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the KEY Para menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	MicrophoneType	TYPE1: The microphone is equipped with a standard RJ45 plug; TYPE2: The microphone is an optional 4-PIN plug microphone (requires a RJ45 to 4-PIN adapter cable); TYPE3: The microphone is a multifunctional numeric keypad microphone Default: TYPE1
2	MicrophoneKey PF	Customize menu settings for the microphone, press the PUSH key to enter and select the desired function; Default: VOX function

6.6 Time Menu Operation Instructions

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the TIME Para menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	Clock Setting	Set the time in hours, minutes, and seconds, and rotate the channel switch to modify the values.
2	Date Setting	Set the year, month, and day of the date, rotate the channel switch to modify the value.
3	Clock Color	Time/date color display settings, WHITE, YELLOW, RED, GREEN, CYAN, Default: WHITE
4	Power OFF Display	COLCK: When shutting down, turn on the time/date display OFF: When shutting down, display the shutdown time/date Default: COLCK

6.7 Weather Channel Menu Operation Instructions (optional functions)

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the WX Para menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	WX Mode	OFF: Activate the weather channel; ON: Close the weather channel; Default: OFF
2	WX Alert	OFF: Enable weather channel alarm function; ON: Disable the weather channel alarm function; Default: OFF
3	Freq Step	Adjust the default step size in VFO mode. Options: 100Hz, 1KHz, 5KHz, 10KHz, 100KHz, 1MHz; Default: 1KHz.
4	Band Width	25K: Select 25K communication bandwidth 12.5K: Select 12.5K communication bandwidth Default: 25KHz.
5	SQ Level	OFF-09: Total of 10 Automatic Squelch levels; Default: 03.
6	Add to Scan	Add: LCD displays "S", present channel is added to scan list. Skip: LCD does not display "S", present channel is not added to scan list. Default: Add

6.8 BT wireless Menu Operation Instructions (optional functions)

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the BT Para menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option, and press the **[PUSH]** key to enter parameter settings;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	BT State	OFF: Turn off BT wireless function; ON: Enable BT wireless function; Default: OFF
2	BT Pair	Seek BT: Search for BT wireless Available BT: Search List Paired List: Paired List Disconnect: Exit pairing
3	BT Name	BT wireless name query, set the desired BT wireless name through PC software or a multifunctional microphone with keyboard or handheld microphone.
4	BT Paired Name	Display the setting name of the current connection.
5	BT HoldTime	BT wireless hold time setting, this product has OFF, 1S~120S, and infinity options to choose from
6	BT DelayTime	BT wireless delay time setting, this product has 30ms, 1s~5.5s to choose from.
7	BT + int Spk	Local speaker switch settings in BT wireless mode OFF: Turn off the local speaker; ON: Turn on the local speaker; Default: OFF
8	BT Mic Gain	BT wireless MIC gain adjustment, this product has 1-5 levels to choose from
9	BT Spk Gain	BT wireless earphone gain adjustment, this product has 1-5 levels to choose from
10	BT Pin Code	BT wireless pairing code query, press the PUSH key to enter the BT wireless pairing code input status and enter the desired pairing code

11	BT PTT Pair	BT wireless PTT pairing menu, this product supports BP-02 BT wireless PTT Connect PTT: BT wireless PTT pairing Disconnect PTT: Disconnect BT wireless PTT pairing
12	BT PTT Hold	BT wireless PTT hold settings OFF: Turn off BT wireless PTT hold; ON: Enable BT wireless PTT hold; Default: OFF
13	BT PTT Sleep	BT wireless PTT sleep setting, this product has infinity and 1min-4min options to choose from
14	BT Bat Volt	BT wireless PTT battery level query, displaying the current BT wireless PTT battery level

6.9 Information Menu Description

1. Long press the **[FUNC]** key to enter the MENU selection interface;
2. Short press the **[▲]/[▼]** keys or rotate the volume knob to move the cursor, and press the **[PUSH]** key to enter the Device Infor menu;
3. Short press the **[▲]/[▼]** keys or rotate the volume knob to select the desired function option for inquiry;
4. Press the Back button to save and return to the previous menu step by step.

NO.	LCD display	Functional Description
1	LCD Soft Ver	Display software version number query
2	RF Soft Ver	Motherboard software version number query
3	Wrok Mode	Current working mode query
4	Hardware Ver	Hardware version number query
5	Radio Data Ver	Data date query
6	Last Pro Date	Last programming date query
7	BT Soft Ver	BT wireless version number query

7. SPECIFICATIONS

GENERAL	
Modulation Mode	AM/FM/USB/LSB/CW/PA
Frequency Range	26.565-27.99125MHz EU/ 26.965-27.405 US
Frequency Tolerance	±5.0ppm
Input Voltage	12/24V
Dimensions(in mm)	124(W) x 163(D) x 39(H)
Weight	0.668kg
Ferquency Control	PLL Synthesizer
Operating Temperature Range	-10° C TO + 55° C
Current Drain	Transmit 8.0A MAX
	Receive Squelched 0.5A
	VOL Max 0.8A
Antenna Connector	UHF,SO-239
TRANSMITTER	
Power Output	AM/FM/CW:4W;SSB:12W
Transmission interference	inferior to 4nW(-54dBm)
Frequency Response	450-2500Hz
Modulated signal distortion	inferior to 5%
Output Impedance	50 ohms
RECEIVER	
Sensitivity	AM:1.0μV for 10dB(S+N)/N at greater than 1/2watt of audio output. FM: 1.0μV for 20dB (S+N)/N at greater than 1/2 watt of audio output. SSB: 0.25μV for 10dB(S+N)/N at greater than 1/2-watt of audio output.
IF Frequencies	AM/FM: 10.695MHz 1st IF, 455 KHz 2nd IF SSB: 10.695MHz
RF Gain Control	48dB adjustable
Automatic Gain Control(AGC)	Less than 10dB change in audio output for inputs from 10μV to 100,000μV
Squelch	Adjustable; threshold less than 0.25 μV. Automatic Squelch Control (only AM/FM) 0.5μV
ANL	Switchable
Noise Blanker	RF type, effective on AM/FM and SSB
Audio Output Power	3 watts into 8 ohms
Frequency Response	300-3000Hz
Built-in Speaker	ohms, round
External Speaker(Not Supplied)	8 ohms, disables internal speaker when connected

WARNING STATEMENT

Use the Mobile Radio in the environment with the temperature between -10°C and 55°C, otherwise, it may damage your Mobile Radio. It can be operating under 2000m.

The full text of the EU declaration of conformity is available at the following internet address: www.xxxyyy.com

Hereby, We, declare that the radio equipment type Mobile Radio is compliance with Directive 2014/53/EU.

RF Exposure Warning Statements:

This equipment complies radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 94.3cm between the radiator & body.

Caution:

To prevent possible hearing damage, do not listen at high volume levels for long periods.



External Antenna:

Antenna Gain: 0dbi (Typical), 3dBi (Max)

Antenna Impedance: 50 Ohms

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Warning Statement

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

External Antenna:

Maximum Antenna Gain: 3 dBi

Antenna Impedance: 50 Ohms

RF Exposure Statement

This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 89.3 cm between the radiator & your body.

