AnyTone®

Hera

USER'S MANUAL

■ KNOW ABOUT THIS RADIO
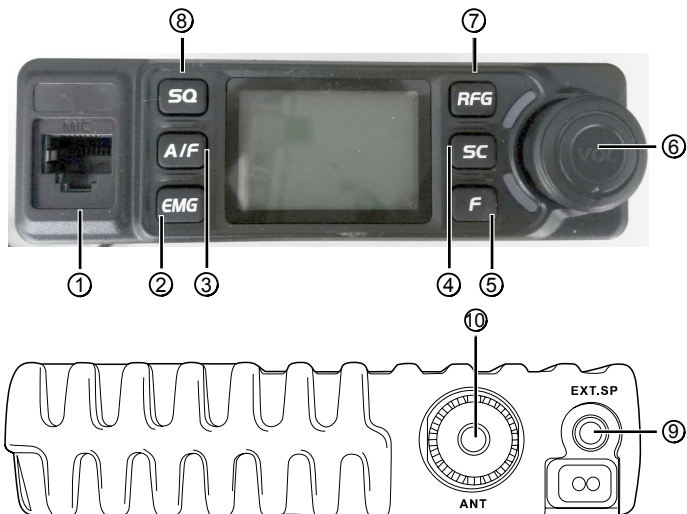
1	Microphone connector
2	CH9
3	AM/FM mode
4	Scan key
5	Function key
6	Power On/Off Volume control
7	RF Gain control
8	Squelch control, SQ, ASQ switch key
9	External speaker Jack
10	Antenna Jack

■ HOW TO USE THIS RADIO

※ Power On/Off the radio

1. Turn VOL switch clockwise to power on the radio, the LCD displays the Norms and then displays channel number.
2. Turn VOL switch anti-clockwise, until hear Ka Ta, the radio is powered off.

※ Volume control

Turn clockwise to increase volume, anti–clockwise to decrease volume.

※ Channel Control

1. Short press [**UP**] or [**DN**] to change working channel.
2. Hold [**UP**] or [**DN**] can fast change working channel.

※ Squelch level control

1. Short press ⟨ **SQ** ⟩ the bottom of the LCD displays SQ LEVEL SQ level, the bigger value stands for high squelch level.
2. Short press [**UP**] or [**DN**] to change SQ level.
3. Hold [**UP**] or [**DN**] can fast change SQ level.
4. Hold ⟨ **SQ** ⟩ or wait for 10 seconds to store and exit.

※ ASQ control

1. Hold ⟨ **SQ** ⟩ key, until LCD displays AQ, the ASQ function turned on.
2. Hold ⟨ **SQ** ⟩ or wait for 10 seconds to store and exit.

※ Mode control

1. Short press ⟨ **A/F** ⟩ key to switch between AM /FM mode.
2. The LCD displays the selected mode.

※ RF Gain control

1. Short press ⟨ **RFG** ⟩ the buttom of the LCD displays RFG SET, the numbers in up side is the current RFG level.
2. Short press microphone [**UP**] or [**DN**] to change level.
3. Short press ⟨ **RFG** ⟩ key to exit RF gain level control.

Note：When RFG function is on the LCD displays R, if RFG level is 6 means the attenuation is 6dBm.

⚇ **Keypad Lock**

1. Hold $\boxed{RFG}$ key for over 2 seconds to lock the keys, LCD displays " ⌐ᴏᴛᴛ ".
2. Hold $\boxed{RFG}$ key for over 2 seconds again to unlock the keys.

Note：In lock Mode all keys except PTT is valid.

⚇ **Emergency Channel**

1. Choose wanted channel.
2. Short press $\boxed{EMG}$ key again to return to last normal channel.

⚇Store Emergency Channel

1. Short press $\boxed{EMG}$ key to choose CH9, the channel number flashes.
2. Hold $\boxed{EMG}$ until the LCD display EMG, current channel stored as EMG channel.

⚇ **Scan function**

1. Press $\boxed{SC}$ to start scan function, "SCAN" falshes in the LCD;
2. Press [**UP**] or [**DN**] to change scan direction during scan;
3. Press $\boxed{SC}$ or [**PTT**] key to exit scan function.

⚇ **Norms control**

1. Hold $\boxed{A/F}$ to power on radio, until LCD displays the norms;
2. Press [**UP**] or [**DN**] to choose wanted norms;
3. Power off and power on again.

⚇ **Install external speaker**

Choose a 8Ω external speaker with 3.5mm mono connector.

⚇ **Resume factory default**

1. Hold $\boxed{F}$ to enter menu list.
2. Short press $\boxed{F}$ to choose RESETALL menu.
3. Hold $\boxed{F}$ until LCD full display.
4. The radio automatically reseted.

✖ Menu Operations

1. Hold ⌐F⌐ to enter menu list.
2. Short press ⌐RFG⌐ or ⌐F⌐ to choose RESETALL menu.
3. Short press microphone ⌐UP⌐ or ⌐DN⌐ to choose wanted setting.
4. Press ⌐SC⌐ or wait 10 seconds to store exit setting.

No.	Display	Function	Setting details
1	BEEP	Beep sound	ON OF Default: ON
2	MIC GAIN	Mic gain control	Level 1~10 Default: 6
3	SQ LEVEL	Squelch level control	Level: OF，1~34 Default: 8
4	ASQ SET	ASQ level control	OF ON Default: OF
5	SCAN TYPE	Scan type setting	SQ :Squelch scan. TI :Time scan Default: SQ
6	HI-CUT	Hi-cut setting	OF ON Default: OF
7	TALKBACK	Talkback levelsetting	Level: OF，1~9 Default: OF
8	NB	Noise blanker	OF ON Default: OF
9	RF GAIN	RF gain level	OF，3、6、9~60 Default: OF
10	ROGER BEEP	RB sound setting	Level: OF，1~5 Default: OF
11	COLOR	Backlight color setting	RED GREEN BLUE CYAN YELLOW PURPLE WHITE Default: RED
12	DIMMER	Backlight brighless	Level: 1~6 Default: 6
13	TOT	Time out timer	OF，1~10Min Default: 3

■ SPECIFICATION

GENERAL		
Modulation Mode	AM/FM	
Frequency Range	26.965-27.405MHz	
Frequency Tolerance	±5.0ppm	
Input Voltage	13.2V	
Dimensions	120x88x35mm	
Weight	550g	
Ferquency Control	PLL Synthesizer	
Operating Temperature Range	-20℃ ~ +50℃	
Current Drain	**Transmit**	2A MAX
	Receive	Squelched 0.3A
	VOL Max	0.8A
Antenna Connector	UHF,SO-239	

TRANSMITTER	
Power Output	4 Watts FM/AM
Transmission interference	inferior to 4nW(-54dBm)
Frequency Response	300-3000Hz
Modulated signal distortion	inferior to 5%
Output Impedance	50 ohms

RECEIVER	
Sensitivity	Less than 1uV for 10dB(S+N)/N
Image Rejection	70dB
Adjacent Channel Rejection	60dB
IF Frequencies	1st 10.695MHz
	2nd 455KHz
Automatic Gain Control(AGC)	Less than 10dB change in audio Output for inputs from 10 to 50000uV
Squelch	less than 1uV
Audio Output Power	1Watts
Frequency Response	300-3000Hz