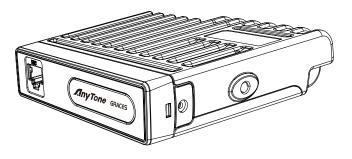
Any Tone®

GRACES

CB RADIO

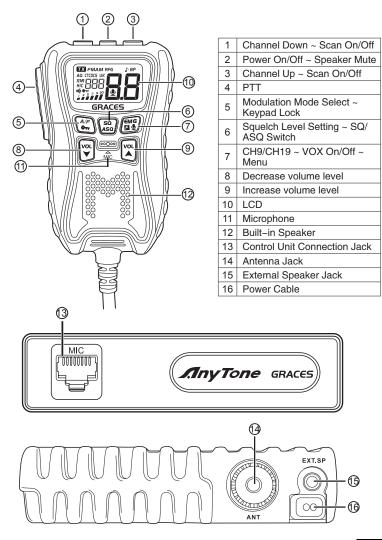
Instruction Manual



Qixiang Electron Science & Technology Co., Ltd.

www.anytone.net

1.KNOW ABOUT THIS RADIO



2.HOW TO USE THIS RADIO

2.1 Power On/Off the Radio.....

- 1. Short press type, the radio emit a prompt and LCD display on.
- 2. When the radio on, hold key until nothing appears on LCD and release key, the radio will power off.

2.2 Volume Control.....

- 1. Short press or key to adjust volume, LCD shows " LoL XX " for 2 seconds which means volume level. Total is 27 levels.
- Hold key can fast increase volume level, hold key can fast decrease volume level.

2.3 Mute Function...

- Short press key will fastly mute the speaker, " ♠" appears on the LCD.
- 2. Short press key again, the volume will resume to previous volume level setting, "

 " disappears from the LCD.

2.4 Channel Control.....

- 1. Short press 😝 or 💢 key to choose channel.
- 2. Hold or key to choose channel fastly.

2.5 Squelch Level Control.....

- 1. Short press key, until LCD shows " 59½ XX ", Total is 34 levels, the bigger value stands for high squelch level.
- 2. Short press or key to change SQ level.
- 3. Hold press \P or \P key can fast change SQ level.
- 4. Short press 50 key again or wait for 2 seconds to store and exit.
- A » The higher SQ level selected, the stronger signal required to open speaker and hear the calling.

2.6 ASQ Control.....

- 1. Hold skey, until LCD displays AQ, the ASQ function turned on. The LCD will shows " \(\begin{align*} \begin{align*} \text{TSQ XX } \end{align*}, \text{Total is } \begin{align*} \text{levels, the bigger value stands for high squelch level.} \end{align*}
- Short press or key to change ASQ level.

2.HOW TO USE THIS RADIO

- 3. Hold press 🖁 or 🎇 key can fast change ASQ level.
- 4. Short press (\$50 key again or wait for 2 seconds to store and exit.
- **A** » The higher ASQ level selected, the stronger signal required to open speaker and hear the calling.

2.7 Mode Control.....

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

2.8 Keypad Lock.....

- 1. Hold (key for over 3 seconds to lock the keys, " on " appears on the LCD.
- Hold key for over 3 seconds again to unlock the keys, " οπ "
 disappears from the LCD.
- » In lock Mode all keys except PTT is valid.

2.9 Emergency Channel.....

- 1. Short press key to choose CH9, the channel number blinks on LCD.
- Short press key again to choose CH19, the channel number blinks on LCD.
- 3. Short press key third time to return to last normal channel.

2.10 VOX

2

- 1. Press and hold the [PTT] switch.
- 2. Short press key to activate or deactivate the VOX function, "•" appears on the LCD when the function is active.

2.11 Scan Function

- Press and hold or or key for 7 seconds or until a beep sounds to start scan function. The dot between the two channel digits flashes to indicate that the function is active.
- 2. Short press or key to change scan direction during scan;
- 3. Press [PTT] switch to exit scan function.

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2.12 Frequency Band Selection

- 1. Hold key while pressing key until full appears on LCD and release 2 keys, the current frequency band blinks on LCD;
- 2. Short press or key to choose wanted frequency band;
- When the frequency band is selected, hold press key to store and exit.

2.13 Install External Speaker

Choose a 16Ω external speaker with 3.5mm mono connector.

* WARNING:The sound output mode of the machine is BTL output, and the two pins of the speaker cannot be connected to the ground net or the machine shell! Otherwise, there will be a large DC current flowing through the speaker, which will burn the speaker and components.

2.14 Menu Operations

- 1. Long press key to enter menu list.
- 2. Short press or key to select menu to be set.
- Short press key to enter function setting parameter of the selected function, the parameter blinks on LCD.
- 4. Short press 😝 or 🚰 key to change the parameter.
- 5. Short press key to validate and stay in the MENU.
- 6. Long press key or [PTT] key or wait 10 seconds to store exit MENU.

LCD Display	Function Detail	Setting Details
coL	Backlight color setting	r E (red/default), 명r (green), 占L (blue), 단뇌 (cyan), 만나 (purple), 뇌E (yellow), [L (white)
6EP	Beep sound	n: turn on beep sound (default) aF: turn off beep sound
-62	RB sound setting	□F (default), □ 1 ~ □6 □F: turn off RB sound function

2.HOW TO USE THIS RADIO

LCD Display	Function Detail	Setting Details
ار 100	Mic gain control	Level: [] {~ []] Default: [] 5
-FP	RF power setting	L _a : low power (default) n ₁ : middle power H ₁ : high power Note: This function is valid only when the radio work in HF model or HAM model.
Scn	Scan type setting	59: squelch scan (default) Ł₁: time scan
LILE	VOX sensitivity level setting	Level: [] { ~ [] 9 Default: [] 3
LIE	VOX delay time setting	Level: [] [~ []] Default: []닉
rF9	RF gain level control	oF (default), □3、□6、□9 ~ 48
ŁoŁ	Time out timer	oF, □ I ~ I□ Min Default: □∃
-5 -	Frequency -5KHz function	☐n: turn on -5KHz function ☐F: turn off -5KHz function (default) Note: This function is valid only when the radio work in HF model.
Hı c	HI-Cut setting	் turn on HI-Cut function த: turn off HI-Cut function (default)
Enr	TX noise reduction level setting	□F , □ I ~ □5 □B: turn off TX noise reduction function. Default: □ I
רחר	RX noise reduction level setting	□F , □ 1 ~ □5 □F: turn off RX noise reduction function. Default: □

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2.15 CTCSS/DCS Set

- 1. Long press key to enter menu list.
- 2. Short press or key to select the CTCDC5 menu.
- 3. Short press key to validate, the code type blinks on LCD.
- 4. Short press (*) or (*) key to select the code type.
- □FF: stands for not set.
- בב: stands for CTCSS tone.
- 러드ς: stands for DCS code.
- Short press key to confirm the code type. The code value flashes (unless selected)
- 6. Short press ♥ or ♠ key to select the code (form 01 (☐ 1) to 38 (☐ 6) for CTCSS and 01 (☐ 1) to 100 (☐ 1) to 104 (☐ 4) for DCS)
- 7. Short press key to confirm the selected code.

2.16 Resume Factory Default

- 1. Long press key to enter menu list.
- 2. Short press or key to select the " rE5 menu.
- 3. Short press key to validate. " -E5 = " blinks on LCD.
- 4. Short press key until " cE5 " stops blinking.
- 5. Release key, the radio automatically reseted.

3.SPECIFICATION

GENERAL				
Modulation Mode		AM/FM		
Frequency Range		26.965-27.405MHz		
Frequency Tolerance	•	±5.0ppm		
Input Voltage		13.2V		
Dimensions		111x104x25mm		
Weight		300g		
Ferquency Control		PLL Synthesizer		
Operating Temperatu	ire Range	–20℃ to +50℃		
	Transmit	2A MAX		
Current Drain	Receive	Squelched 0.3A		
	VOL Max	0.8A		
Antenna Connector		UHF, SO-239		
	TRAN	NSMITTER		
Power Output		4 Watts FM/AM		
Transmission interfer	ence	inferior to 4nW(-54dBm)		
Frequency Response)	300-3000Hz		
Modulated signal dist	ortion	inferior to 5%		
Output Impedance		50 ohms		
RECEIVER				
Sensitivity		Less than 1uV for 10dB(S+N)/N		
Image Rejection		70dB		
Adjacent Channel Re	jection	60dB		
IE Eroguancias		1st 10.695MHz		
IF Frequencies		2nd 455KHz		
Automatic Gain Contr	rol(AGC)	Less than 10dB change in audio		
Automatic Gain Conti	OI(AGC)	Output for inputs from 10 to 50000uV		
Squelch		less than 1uV		
Audio Output Power		1Watts		
Frequency Response)	300-3000Hz		

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