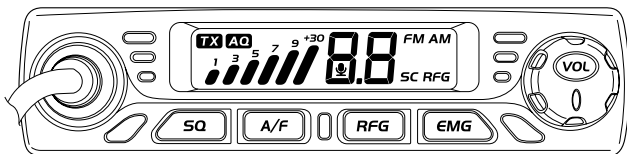


# AnyTone®

## SMART

### CB RADIO

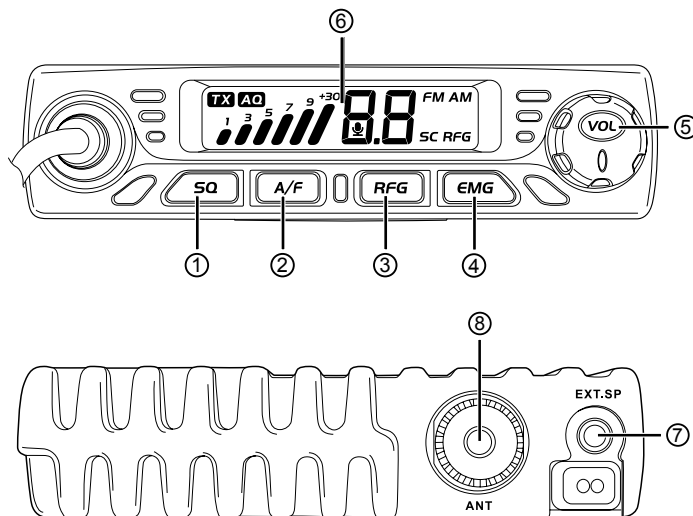
## Instruction Manual



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## 1.KNOW ABOUT THIS RADIO



1	Squelch control, SQ, ASQ switch key
2	Mode/Scan key
3	RF Gain control
4	CH9/CH19/Keypad lock/VOX control/VOX setting
5	Power On/Off Volume control
6	LCD
7	External speaker Jack
8	Antenna Jack

Note: To get the best range from the external whip antenna (50 ) should be used.  
Ant : Tx/ Rx 26.965-27.405Mhz ,0 dBi nominal (3dBi Max)

## 2.HOW TO USE THIS RADIO

### 2.1 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.

### 2.2 Volume control.....

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

### 2.3 Channel Control.....

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

### 2.4 Squelch level control(O.F to 3.4 level available).....

1. Short press **SQ** , until LCD displays SQ and then displays X.X, X.X stands for 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. Short press **SQ** or wait for 3 seconds to store and exit.

▲ » *Note: The higher SQ level selected, the stronger signal required to open speaker and hear the calling.*

### 2.5 ASQ control(A.1–A.9 level available).....

1. Hold **SQ** key, until LCD displays AQ, the ASQ function turned on. The LCD will displays "A.X", "X" stands for the ASQ level, the bigger value stands for high squelch level.
2. Short press microphone [ UP ] or [ DN ] to change ASQ level
3. Hold microphone [ UP ] or [ DN ] can fast change ASQ level.
4. Short press **SQ** or wait for 3 seconds to store and exit.

▲ » *Note: The higher ASQ level selected, the stronger signal required to open speaker and hear the calling.*

## 2.HOW TO USE THIS RADIO

### 2.6 Mode control .....

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

### 2.7 RF Gain contro .....

1. Short press **[RFG]** key, LCD displays RFG and the present RF gain level flashes.
2. Short press microphone **[ UP ]** or **[ DN ]** to change level.
3. Short press **[PTT]** switch to exit RF gain level control.

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

### 2.8 Emergency Channel .....

1. Short press **[EMG]** key to choose CH9, the channel number flashes.
2. Short press **[EMG]** key again to choose CH19, the channel number flashes.
3. Short press **[EMG]** key third time to return to last normal channel.

### 2.9 Keypad Lock .....

1. Hold **[EMG]** key for over 3 seconds to lock the keys, LCD displays "🔒".
2. Hold **[EMG]** key for over 3 seconds again to unlock the keys, "🔒" disappears form LCD.

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

### 2.10 VOX control .....

1. Press and hold **[PTT]** switch;
2. Short press **[EMG]** key to activate or deactivate the VOX function. "🗣️" is displayed when the function is active.

▲ » *Note: The VOX function allows transmitting by speaking into the original microphone without pressing the PTT switch.*

» *In order to prevent the VOX function from being triggered by mistake, the radio will automatically turn off the VOX function after it is powered off.*

## 2.HOW TO USE THIS RADIO

### 2.11 VOX Setting .....

1. Turn on the power while pressing **[EMG]** key enter the VOX function setting. "🗣️" flashes in the LCD.
2. Short press **[EMG]** key to choose wanted setting.
  - LX:** stands for sensitivity level. allows the adjustment of the microphone for an optimum transmission quality. Adjustable level form 1 (high sensibility) to 9 (low sensibility)
  - tx:** stands for delay time. allows avoiding the sudden cut of the transmission by adding a delay at the end of speaking. The level is adjustable form 1 (short time delay) to 9 (long time delay)
3. Short press microphone **[ UP ]** or **[ DN ]** to set desired level.
4. Hold **[EMG]** key to store and exit setting.

### 2.12 Scan function .....

1. Hold **[A/F]** to start scan function, "SC" falshes in the LCD;
2. Press microphone **[ UP ]** or **[ DN ]** to change scan direction during scan;
3. Hold **[A/F]** or short press **[PTT]** switch to exit scan function.

### 2.13 Norms control .....

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

### 2.14 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 fl owing through the speaker, which will burn the speaker and components.*

### 2.15 Resume factory default .....

1. Hold **[SQ]** key to power on radio, until the LCD displays "rt", the resume work finish.
2. All channel and function setting will resume factory default after above operation.

## 3. SPECIFICATION

GENERAL		
Modulation Mode	AM	
Frequency Range	26.965–27.405MHz	
Frequency Tolerance	± 5.0ppm	
Input Voltage	12V	
Dimensions	140x161.5x41mm	
Weight	608g	
Operating Temperature Range	–20°C to +50°C	
Current Drain	Transmit	3A MAX
	Receive	Squelched 0.3A
	VOL Max	0.7A
Antenna Connector	UHF, SO–239	
TRANSMITTER		
Power Output	4 Watts AM	
Transmission interference	inferior to 4nW	
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 at 8Ω less than 10% distortion	
Frequency Response	300–3000Hz	

## 4.FCC STATEMENT

### ■ FCC Compliance Statements:

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.

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.

### RF Exposure Warning Statements:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 51.6 cm between the radiator & body.

## 4.FCC STATEMENT

### ■ Licensing Information

Use our radio in USA is subject to the rules & regulations of FCC. Changes or modifications not expressly approved by our may void the user authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

**Note:** Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

**Important:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians.

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