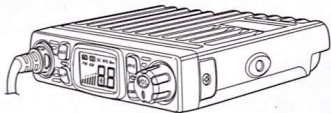


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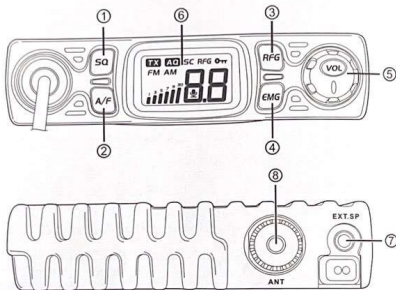
MINI CB RADIO

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

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 **[MFR]** key to switch between AM /FM mode.
 2. The LCD displays the selected mode.
- 2.7 RF Gain contro**
1. Short press **[RF]** 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 **[EMC]** key to choose CH9, the channel number flashes.
 2. Short press **[EMC]** key again to choose CH19, the channel number flashes.
 3. Short press **[EMC]** key third time to return to last normal channel.
- 2.9 Keypad Lock**
1. Hold **[EMC]** key for over 3 seconds to lock the keys, LCD displays "O-".
 2. Hold **[EMC]** key for over 3 seconds again to unlock the keys, "O-" 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 **[EMC]** key to activate or deactivate the VOX function. "V" 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 **[EMC]** key to enter the VOX function setting. "V" flashes in the LCD.
 2. Short press **[EMC]** key to choose wanted setting.
LX: stands for sensivity level, allows the adjustment of the microphone for an optimum transmission quality. Adjustable level form 1 (high sensibility) to 9 (low sensibility)
IX: 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 **[EMC]** key to store and exit setting.
- 2.12 Scan function**
1. Hold **[MFR]** to start scan function, "SC" flashes in the LCD;
 2. Press microphone **[UP]** or **[DN]** to change scan direction during scan;
 3. Hold **[MFR]** or short press **[PTT]** switch to exit scan function.
- 2.13 Norms control**
1. Hold **[MFR]** 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 flow owing through the speaker, which will burn the speaker and components.*
- 2.15 Resume factory default**
1. Hold **[99]** 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/FM	
Frequency Range	26.965-27.405MHz	
Frequency Tolerance	± 5.0ppm	
Input Voltage	13.2V	
Dimensions	109x104x25mm	
Weight	415g	
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 FM/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	