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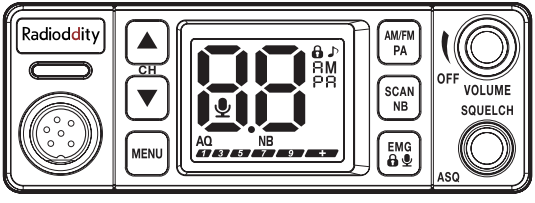
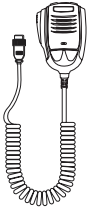
CB-606PRO

CB Radio

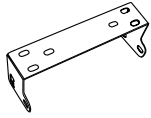


Instruction Manual

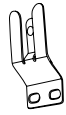
1. ACCESSORIES



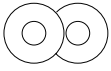
Microphone



Mobile Bracket



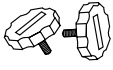
Microphone Hanger



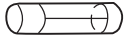
non−slip mat

Pads

Tapping screws



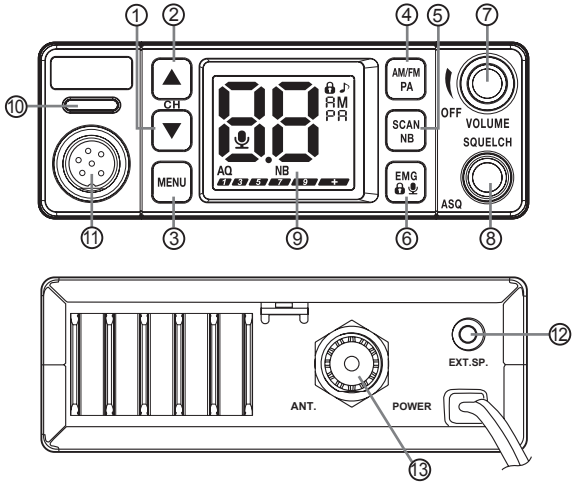
Adjusting screws



Spare Fuses
5A 250V

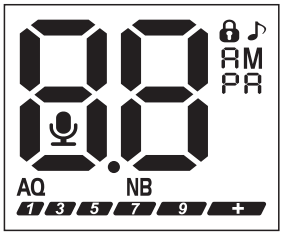
User Manual

2. KNOW ABOUT THIS RADIO



1	Channel Down Selector
2	Channel Up Selector
3	Menu
4	Modulation Mode Select : AM, FM and PA
5	Scan On ~ Noise Blanker (NB) On/Off
6	Emergency Channel ~ Keypad Lock ~ VOX On/Off
7	Power On/Off ~ Volume Control
8	ASQ (Automatic Squelch Control) ~ Squelch
9	LCD Display
10	RX (Receive) LED Indicator / TX (Transmit) LED Indicator
11	Microphone Plug
12	External Optional Speaker Jack
13	Antenna Jack

3. LCD



Key Lock activated

ROGER BEEP function activated

VOX function activated

AQ ASQ function activated

88 Indicates the active channel

1 3 5 7 9 + T X or RX bargarph

AM AM mode selected

FM FM mode selected

PA PA mode selected

NB NB function activated

4. HOW TO USE THIS RADIO

4.1 Power On/Off the Radio

Turn the **VOLUME** knob clockwise to power on the radio, the LCD displays the Norms and then displays channel number.

Turn the **VOLUME** knob anti-clockwise, until hear Ka Ta, the radio is powered off.

4.2 Volume Control

Turn the **VOLUME** knob clockwise to increase the volume, turn it anti-clockwise to decrease the volume.

4.3 ASQ ~ SQ Control

※ASQ (Automatic Squelch Control)

Turn the **SQUELCH** knob anti-clockwise into **ASQ** position. " **AQ** " appears on the LCD. No repetitive manual adjustment and a permanent improvement between the sensitivity and the listening comfort when **ASQ** is active. This function can be disconnected by turning the switch clockwise. In this case the squelch adjustment becomes manual. " **AQ** " disappears from the LCD.

※SQ (Manual Squelch Control)

Turn the **SQUELCH** knob clockwise to the exact point where all background noises disappear. This adjustment should be done with precision as, if set to maximum (fully clockwise), only the strongest signals will be received.

4.4 Channel Selector

Short press [▲] / [▼] keys on the unit or **UP**/**DN** keys on the microphone to change channels by one step.

Hold [▼] / [▲] keys on the unit or **UP**/**DN** keys on the microphone can fast changed channels.

4.5 AM/FM ~ PA

※AM/FM (short press)

Short press [AM/FM PA] key to modify the modulation mode **AM** or **FM**. Corresponding mode is appears on the LCD.

※**PA (long press)**

Long press (AM/FM PA) key to alternate between **CB** and **PA** mode.

When the **PA** mode is activated, the modulation of the microphone and the received signal are transmitted to the internal loudspeaker or external optional loudspeaker connected to jack EXT.SP. "PA" blinks alternate with the modulation mode (AM or FM).

Turn the **VOLUME** knob to adjust the **PA** volume

4.6 SCAN ~ NB

※**Channels Scan (short press)**

Short press (SCAN NB) key to activate the 40 channels scan function. The scanning stops as soon as there is a busy channel.

In scanning mode, press (▲) / (▼) keys on the unit or **UP**/**DN** keys on the microphone to change scan direction.

※**NB (long press)**

Long press (SCAN NB) key to activate the 40 channels scan function. The scanning stops as soon as there is a busy channel.

In scanning mode, press (▲) / (▼) key to activate or deactivate the **NOISE BLANKER**. "NB" is displayed when the function is active.

4.7 Emergency Channels ~ Key Lock ~ VOX

※**Emergency Channels (short press)**

Press the (EMG) key, the radio automatically tune to channel 9.

Press the (EMG) key again, the radio automatically tune to channel 19.

Press the (EMG) key third time to return to the previous channel.

※**Key Lock (long press)**

Long press (EMG) key to lock the keys, "🔒" appears on the LCD.

Long press (EMG) key again to unlock the keys, "🔒" disappears form the LCD.

※**VOX (PTT + EMG)**

Press and hold the PTT switch.

Short press (EMG) key to activate or deactivate the VOX function, "🔒" appears on the LCD when the function is active.

4.8 Frequency Band Selection （Optional）

Hold the [AM/FM PA] key to power on radio, the symbol corresponding to the current configuration is blinking.

Press the [▲] / [▼] keys on the unit or **UP/DN** keys on the microphone to change the configuration.

When the configuration is selected, switching off the radio and the switching it on again to confirm the selection.

4.9 Install External Speaker

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

4.10 Resume Factory Default

Turn on the power while pressing the [EMG] key to reset to the factory settings.

4.11 Menu Operations

Long press [MENU] key to enter the menu function setting.

Short perss [▲] / [▼] keys on the unit or **UP/DN** keys on the microphone to select the menu to set.

Short press [MENU] key to validate, the parameter blinks on the LCD.

Short perss [▲] / [▼] keys on the unit or **UP/DN** keys on the microphone to modify the value of the parameter.

Short press [MENU] key again to store the chosen value and return to the previous level to set another menu.

Press **PTT** switch or long press [MENU] key or wait for 10 seconds to store and exit **MENU**.

NO.	LCD display	Function detail	Setting details
1		Backlight brightness setting	01~03 Default : 03

NO.	LCD display	Function detail	Setting details
2		Beep sound	on: turn on beep sound oF: turn off beep sound Default : oF
3		Roger beep	oF (default), 01~06 oF: turn off RB sound function
4		VOX sensitivity level setting	01~09 Default : 03
5		VOX delay time setting	01~09 Default : 04
6		Time out timer	oF(default), 01~09 Min Default : 03
7		ASQ level setting	01~09 Default : 04

5. SPECIFICATION

GENERAL		
Modulation Mode		AM/FM
Frequency Range		26.965−27.405MHz
Frequency Tolerance		±5.0ppm
Input Voltage		12/24V
Dimensions		125x162x45mm
Weight		592g
Operating Temperature Range		−20℃ to +50℃
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		2Watts at 8Ω less than 10% distortion
Frequency Response		300−3000Hz

FCC 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.

Note 1**:** The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Note 2: 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.

FCC RF Exposure and Separation Distance:

This radio transmitter has been approved by FCC 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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20.0 cm between the radiator& body.

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