

RADIO FREQUENCY ENERGY SAFETY INFORMATION

Your radio generates RF electromagnetic energy during transmit mode. This radio is designed for and classified as "Occupational Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards. This radio is NOT intended for use by the "General Population" in an uncontrolled environment.

This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only". In addition, your XRADIO radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

- FCC OET Bulletin 65 Edition 97-01 Supplement C, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

- American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

- American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields— RF and Microwave.

- The following accessories are authorized for use with this product. Use of accessories other than those (listed in the instruction) specified may result in RF exposure levels exceeding the FCC requirements for wireless RF exposure. To ensure that your exposure to RF electromagnetic energy is within the FCC allowable limits for occupational use, always adhere to the following guidelines:

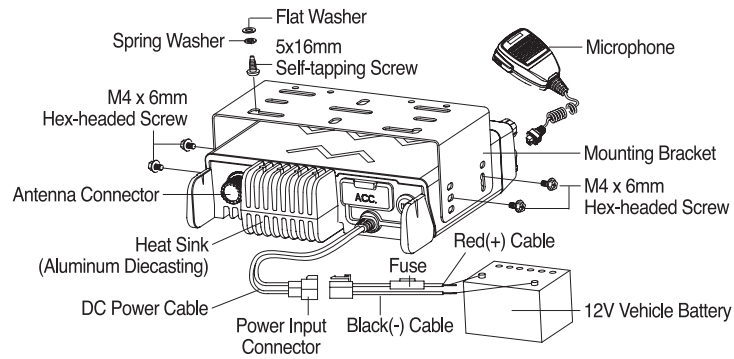
- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed FCC RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or antenna specifically authorized by the manufacturer for use with this radio.

- DO NOT transmit for more than 50% of total radio use time ("50% duty cycle"). Transmitting more than 50% of the time can cause FCC RF exposure compliance requirements to be exceeded. The radio is transmitting when the "TX indicator" lights red. You can cause the radio to transmit by pressing the "PTT" switch.

- ALWAYS keep the antenna at least 45 cm away from the body when transmitting to ensure FCC RF exposure compliance requirements are not exceeded. The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to assure that this radio operates with the FCC RF exposure limits of this radio. **Electromagnetic Interference/Compatibility** During transmissions, your XRADIO radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. DO NOT

operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites. **Occupational/Controlled Use** The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

FCC Notice Cautions. Changes or Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



Connecting Microphone

1. Insert the microphone plug into jack on the front panel of the transceiver.
 - Be sure the tab on the microphone plug is facing the left hand side (Figure 1-2)
2. Mount the microphone on the microphone hanger where it will be within easy reach of the user.
3. To remove the microphone plug, press the tab on the connector while pulling the plug out of the transceiver jack.

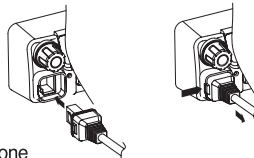


Figure 1-2) Installation and Removing of the Microphone

Supplied Accessories

Carefully unpack the transceiver. We recommend that you identify the items listed below before discarding the packing. If any item are missing or have been damaged during shipment, file a claim with the carrier immediately.

DC power cable with 15A Fuse	1
Mounting Bracket	1
Screw set	
• 5 x 16 mm self-tapping screw	4
• Hex-headed screw with washer	4
• Spring washer	4
• Flat washer	4
Microphone (with cable)	
Microphone hanger (with 4 x16 mm self-tapping screws)	1
User manual	1

2. Features

The followings are the main features of the EM Series Mobile Radio:

- 128 x 32 Dots Graphic LCD
- 512 Channels and 32 Groups are Selectable
- Channel Spacing: 12.5 / 25kHz (12.5kHz for USA)
- Wide Band Coverage (VHF: 136~174MHz; UHF: 400~470)
- Call Guard Squelch of Standardized CTCSS / DCS
- Identification Origination (2 Tone and 5 Tone)
- Built-in Scrambler (Inversion Type)
- Built-in Compander (Compressor and Expander)
- GPS Data Communication (Option)
- Normal Scanning / Priority Scanning
- BCL (Busy Channel Lock) / BCLO (Busy Channel Lock Out)
- 5W / 10W / 20W / 40W (UHF) / 50W (VHF) Power Switchable
- Selectable Squelch Level (0~10)
- Time-Out Timer (TOT)
- Standard DTMF Encode and DTMF Decoder with ANI Function
- Programmable Home Channel Function
- Emergency & Built-in Emergency Microphone
- Talk Around
- Internal or External Speaker
- Remote Radio Stun / Revive (Uses 5 tone)
- Ignition Function / Horn Alert / Public Address
- 4W Front-Mounted Speaker
- Heavy-Duty Microphone
- Various Parameters and PC Downloading Methods
- Built-in D-SUB15 Accessory Connector
- PC Program Tuning

3. Appearance of EM Series Mobile Radio

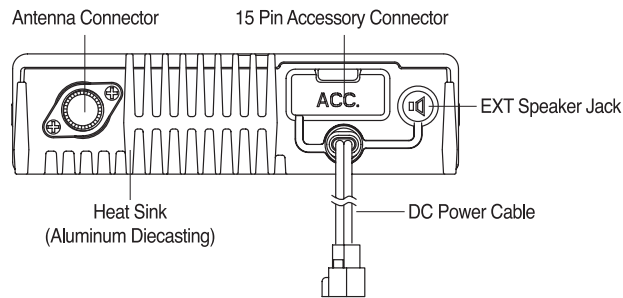
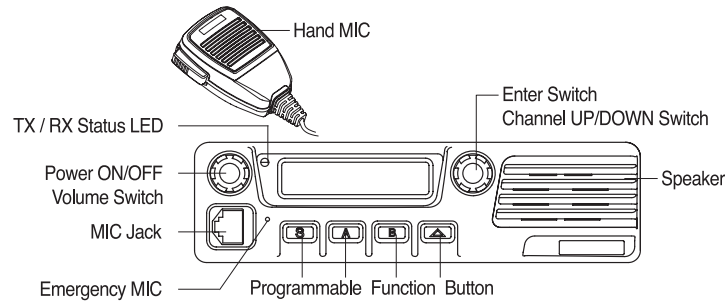


Figure 4-1) Appearance EM Series

4. Controls & Keys

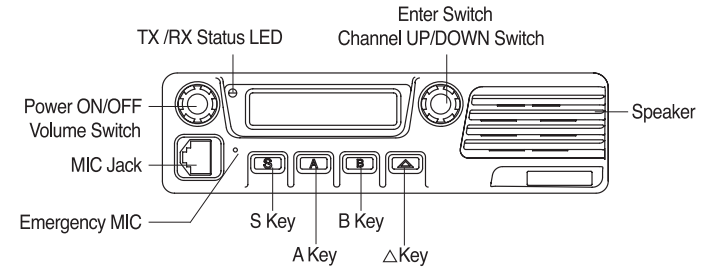


Figure 5-1) EM Front Panel

Power ON / OFF Volume Switch

Press and hold the knob over 2 seconds to turn the mobile radio on and off.



Rotate to adjust the volume level from 1 to 16. Turn it clockwise to increase the volume and counterclockwise to decrease the volume.

When the knob is pushed less than 2 seconds, Squelch can be changed.

Display

It is a 125 x 36 LCD graphic type. Each icon indicates related operation.

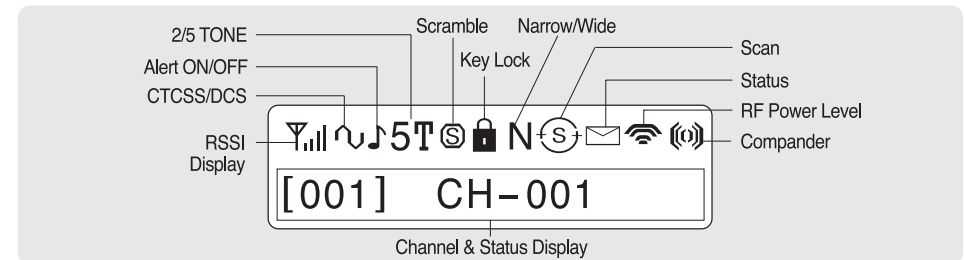


Figure 5-2) EM Series LCD Indicator