

### **About Your SM-2402 Series Radio**

Maxon's SM-2402 series mobile radio are Compatible. Conventional radio system operation. the SM-2402 is capable of up to 208 channels 13 Groups per system in conventional operation. The operation and functions for the SM-2402 Series radios are described in this manual.

**We urge you to thoroughly read this manual before operating the radio.**

Application of some functions described in this manual is determined by the system you use. Your Maxon Dealer will program your radio so that you have the greatest number of functions possible relative to your needs.

Should you have questions regarding the operation of the radio, please consult your Maxon Dealer.

### **About Maxon**

Maxon is a world-respected name in professional FM two-way radio equipment operating in the UHF, VHF and 800 MHz frequencies; personal two-way communication devices, including the popular FRS (Family Radio Service) and GMRS radios; and a variety of wireless communication products (two-way voice messaging handsets, Wireless Local Loop terminals, etc.).

### **Safety Information**

The Federal Communications Commission (FCC), with its action in General Docket 93-62, November 7, 1997, has adopted a safety standard for human exposure to Radio Frequency (RF) electromagnetic energy emitted by FCC regulated equipment. Maxon subscribes to the same safety standard for the use of its products. Proper operation of this radio will result in user exposure far below the Occupational Safety and Health Act and Federal Communications Commission limits.

**WARNING** - The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 60 cm from all persons and must not be co-located or operation in conjunction with any other antenna or transmitter.

#### Safety Information, Continued

**WARNING** - This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only." In addition, your FM 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.
- **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 an antenna specifically authorized by the manufacturer for use with this radio.
- ALWAYS use Maxon authorized accessories. Use of unauthorized accessories can cause the FCC RF exposure compliance requirements to be exceeded.
- **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 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 within the FCC RF exposure limits.

During transmissions, your 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.

**WARNING** - It is mandatory that radio installations in vehicles fueled by liquefied petroleum gas conform to the following standard: National Fire Protection Association standard NFPA 58 applies to radio installations in vehicles fueled by liquefied petroleum (LP) gas with LP gas container in the trunk or other sealed-off space within the interior of the vehicle. This standard requires that:

- 1 Any space containing radio equipment shall be isolated by a seal from the space in which the LP gas container and its fittings are located.
- 2 Remote (outside) filling connections shall be vented to the outside.

**WARNING** - **DO not** operate the transmitter of a mobile radio when someone outside the vehicle is within two feet (0.6 meter) of the antenna.

**WARNING - DO not** allow children to operate transmitter - equipped radio equipment.

**CAUTION - DO not** operate the radio near electrical blasting caps or in an explosive atmosphere.

**CAUTION - DO not** operate the transmitter of any radio unless all RF connectors are secure and any open connectors are properly terminated.

All equipment must be properly grounded for safe operation.  
All equipment should be serviced by a qualified technician.

**NOTE:** This radio operates in FCC regulated frequency bands. All radios must be licensed by the FCC before use. Because this radio contains a transmitter, Federal law prohibits unauthorized use or adjustments of this radio.