

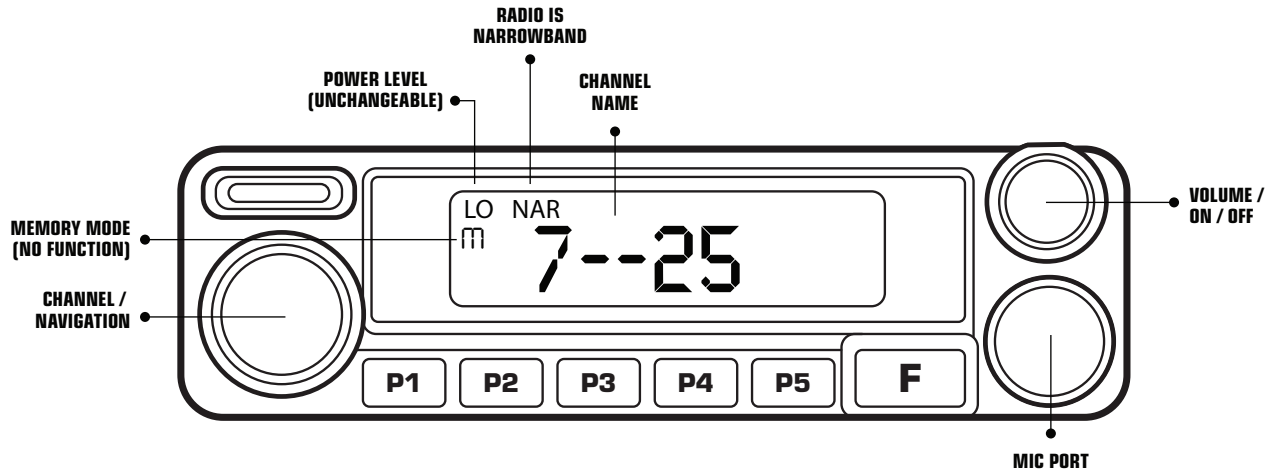


# GMR45 MOBILE RADIO

## USER GUIDE



SCAN FOR  
COMPLETE  
MANUAL



**Note:** The Channel Name is your actual GMRS channel number. In this example, the radio is set to GMRS Channel 7 with a tone code 25.

## RADIO FUNCTIONS

### FUNCTION

Press [**F**] to toggle the function button.

### VOLUME

Powers radio on/off and adjusts volume levels.

### P1/SCAN

Long press [**P1**] to scan through radio channels.

### P2/MONITOR

Press [**P2**] to adjust radio to "0" squelch mode allowing you to receive weaker transmissions.

### P3/SQ

Press [**P3**] to adjust squelch.

### P4/BATTERY

Press [**P4**] to display the amount of volts the unit is receiving.

### P5/LOCK

Long press [**P5**] to lock and unlock radio.

### BRIGHTNESS

Press [**F**] + [**P3**] to adjust the LCD brightness level.

### DISPLAY COLOR

Press [**F**] + [**P4**] to adjust the LCD display color.

### CHANGING TONE CODE

Press [**F**] then [**P5**] to get to the desired tone type: "T", "T SQ", "DCS", or "SQ DCS". "T" and "DCS" are transmit side only. "T SQ" and "SQ DCS" are transmit and receive. Use the channel knob to change tone codes. Press [**P5**] to save. Unless needed, use codes with "SQ" in them. Our tone codes use the same chart and numbering system as listed in GMRS charts. To remove all tone codes on a channel, press [**F**] + [**P5**], five times starting from the channel display.

### EXIT

Press [**P5**] to exit out of menu options.

## **PART 15 COMPLIANCE**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device does not cause harmful interference, and (2) this radio must accept any interference that may cause undesired operation.

Exposure To Radio Frequency Energy Your Rugged radio is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy.

- United States Federal Communications Commission, Code of Federal Regulations: 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical & Electronics Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronics Engineers (IEEE) C95. 1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- To control your exposure and ensure compliance with the general population or uncontrolled environment exposure limits, transmit no more than 50% of the time. The radio generates measurable RF energy exposure only when transmitting.

**Important:** *Changes or modifications to this unit not expressly approved by Rugged Radios could void your right to operate this unit. 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 COMMUNICATOR to exceed those limitations. Any adjustment to your radio must be made by qualified technicians.*

## **SAFETY**

This 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, this 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 RE exposure levels exceed the FCC requirements for wireless RE 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. 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 up red. You can cause the radio to transmit by pressing the PTT switch. ALWAYS keep the antenna at least 2.5 cm (1 inch) away from the body when transmitting and only use the provided belt-clip to ensure FCC RF exposure compliance requirements are not exceeded. To provide the recipients of your transmission the best sound quality, hold the antenna at least 5 cm (2 inches) from your mouth, and slightly off to one side. The information outlined in this manual provides the user with the information needed to make him or her aware of RF exposure and what to do in order to assure this radio is operated safely within the FCC exposure limits.

## **ELECTROMAGNETIC INTERFERENCE/COMPATIBILITY DURING TRANSMISSION**

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. DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.