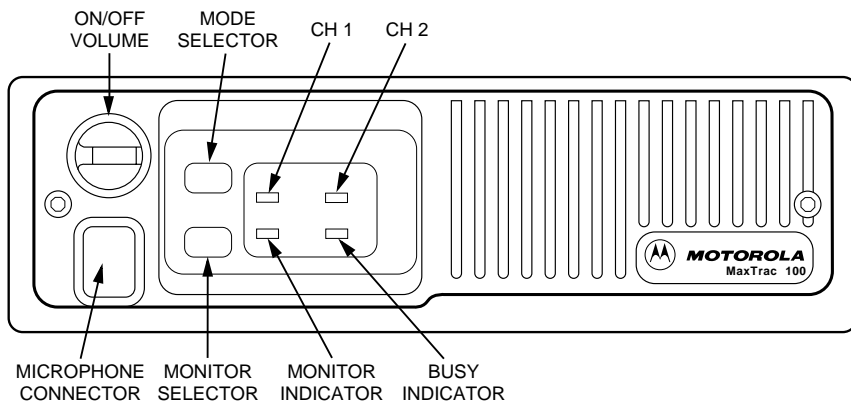


# Operating Instructions for the Motorola MaxTrac 100™ Conventional FM Radio



To turn the radio on

Turn the ON/OFF VOLUME knob to the right until it clicks. A tone will be heard. Only those LEDS indicating the last status of the radio will light.

To receive

Set the volume by turning the ON/OFF VOLUME knob clockwise. One half turn equals about 50% audio output.

Select the channel by pressing the MODE button. Each press of the button will allow you to jump between channels. Release the key when you reach the desired channel. When in the receive mode, the CHANNEL INDICATOR LED will be green.

If you wish to monitor a channel, push the MONITOR button. You may also enter the monitor mode by taking the microphone off the hook. When in the monitor mode, the amber MONITOR INDICATOR LED will light steadily.

To unsquelch the radio, press the MONITOR button for 2 seconds. This unmutes the speaker. Adjust the volume by using the ON/OFF VOLUME knob.

To leave the unsquelched mode, press the MONITOR button. This will return the radio to the coded squelch (PL/DPL) mode. To return to the monitor mode, press the MONITOR button again.

When you press a button to change modes or channels, you will hear a short beep tone.

To transmit

The amber BUSY INDICATOR will flash if there is another carrier on the channel. Do not transmit if anyone else is using the channel. If the channel is clear, press the PTT (push to talk) button on the side of the microphone. The CHANNEL INDICATOR LED will turn red to indicate that you are "on the air". It will remain red until the PTT button is released.

Hold the microphone about two inches from your mouth and speak at a normal voice level. DO NOT SHOUT. It will not make your transmission clearer.

**NOTE:** The radio has a Time-out-timer (TOT) that will terminate your transmission if you hold the PTT button down for 60 seconds. When this occurs, an alert tone comes from the speaker about four seconds before the transmission is cut. To resume transmitting, release the PTT button and push again.

**NOTE:** The radio should be turned off whenever the engine is off to avoid draining the vehicle battery.



## GENERAL SAFETY INFORMATION

The United States Department of Labor, through the provisions of the Occupational Safety and Health Act of 1970 (OSHA) has established an electromagnetic energy safety standard that applies to the use of this equipment. Proper use of this radio will result in exposure below the OSHA limit. The following precautions are recommended:

- DO NOT operate the transmitter of a mobile radio when someone outside the vehicle is within two feet (0.6 meter) of the antenna.
- DO NOT operate the transmitter of a fixed radio (base station, microwave, the rural telephone RF equipment) or marine radio when someone is within two feet (0.6 meter) of the antenna.
- DO NOT operate the transmitter of any radio unless all RF connectors are secure and any open connectors are properly terminated.
- DO NOT operate this equipment near electrical blasting caps or in an explosive atmosphere.
- All equipment must be properly grounded according to Motorola installation instructions for safe operation.
- All equipment should be serviced only by a qualified technician.

Refer to the appropriate section of the product service manual for additional pertinent safety information.

## INSTALLATION SAFETY WARNING

Consider the occupants' safety when you choose a location for the radio. Do not mount the radio overhead or on a side wall unless you take special precautions.

If someone were to remove the radio and fail to replace it properly, road shock could bump the radio loose, and the falling radio could, in some circumstances, cause serious injury to the driver or a passenger. In a crash, even when properly installed, the radio could break loose and become a dangerous missile.

If you must mount the radio overhead or on a side wall, give it the added protection of a retaining strap.

## OPERATIONAL SAFETY WARNINGS



**For vehicles equipped with electronic anti-skid systems, see "ANTI-SKID BRAKING CAUTIONS" Publication, Motorola Number 6881109E34.**



**For vehicles equipped with electronic ignition systems, check the service manual for warnings about the use of two-way radio equipment in the vehicle.**



**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 vehicles. 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 used.
3. The container space shall be vented to the outside.