



This revision outlines changes that have occurred since the printing of your manual. Use this information to supplement your manual.

SAFETY AND GENERAL INFORMATION

**IMPORTANT INFORMATION ON SAFE AND
EFFICIENT OPERATION.
READ THIS INFORMATION BEFORE USING YOUR
INTEGRATED MULTI-SERVICE PORTABLE RADIO.**

For the Safe and Efficient Operation of Your Radio, Observe these Guidelines:

Your radio product contains a transmitter and a receiver. When it is *ON*, it receives and transmits radio frequency (RF) energy. The radio operates in the frequency range of 806 MHz to 870 MHz and employs digital modulation techniques. When you communicate using your radio product, the system handling your call controls the power level at which your radio product transmits. The output power level typically may vary over a range from 0.00024 watts to 0.6 watts.

Exposure To Radio Frequency Energy

Your Motorola Radio Product 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) IEEE. C95. 1-1992
- National Council on Radiation Protection and Measurements (NCRP). Report 86
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- National Radiological Protection Board of the United Kingdom, GS 11, 1988
- Verband Deutscher Elektrotechniker (VDE) DIN-0848
- Department of Health and Welfare Canada. Safety Code 6

Safety and General Information

To assure optimal radio product performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures:

When placing or receiving a phone call, or using the group and private call functions with a Group/Private Speaker OFF (muted speaker icon visible in the display), hold your radio product as you would a telephone. Speak directly into the microphone and position the antenna up and over your shoulder.

When using your radio product as a traditional two-way radio while making group or private calls with the Group/Private Speaker ON (no speaker icon visible in the display), hold the radio product in a vertical position with the microphone one to two inches (2.5 to 5 cm) away from the lips.

For body-worn operation, with or without an earpiece or any other accessory, the antenna should be kept at least one inch (2.5 cm) from the body when transmitting.

When using any data feature of the radio product with an accessory cable, do not use the leather carry case for body-worn operation.

DO NOT hold the antenna when the radio is "IN USE". Holding the antenna affects call quality and may cause the radio product to operate at a higher power level than needed.



Interference to Medical and Personal Electronic Devices

Most electronic equipment is shielded from RF energy. However, certain equipment may not be shielded against the RF signals from your radio product.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 6 inches (15 cm) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers should:

- ALWAYS keep the radio product more than six inches from the pacemaker when the radio product is turned ON.
- Not carry the radio product in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the radio product OFF immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some radio products may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your radio product OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Interference to Other Electronic Devices

RF energy may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or representative to determine if these systems are adequately shielded from external RF energy. Also check with the manufacturer of any equipment that has been added to the vehicle.

Turn your radio product OFF before boarding any aircraft to prevent possible interference to aircraft systems. Regulations of the United States Federal Communications Commission prohibit use when the plane is airborne. The United States Department of Transportation regulations require you have permission from a crew member to use your radio product while the plane is on the ground.

Safety and General

Use While Driving

Check the laws and regulations on the use of wireless telephones in the area where you drive. Always obey them.

When using the radio product while driving, please:

- Give full attention to driving and to the road
- Use hands-free operation, if available
- Pull off the road and park before making or answering a call if driving conditions so require.



OPERATIONAL WARNINGS

WARNING

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn off your radio product when you are in any area with a potentially explosive atmosphere, unless it is a radio product type especially qualified for use in such areas (for example, Factory Mutual Approved). Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury, or even death.

Note: *The areas with potentially explosive atmospheres referred to above include fueling areas such as: below decks on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often, but not always posted.*

Batteries

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

BLASTING CAPS AND AREAS

To avoid possible interference with blasting operations, turn off your radio product when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio". Obey all signs and instructions.

FOR VEHICLES EQUIPPED WITH AN AIR BAG

Do NOT place objects, including both installed and portable wireless equipment, in the area over the air bag or in the air bag deployment area. An air bag inflates with great force. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.



Caution

OPERATIONAL CAUTIONS

DAMAGED ANTENNAS

Do not use any portable radio product that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

BATTERIES

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

Cleaning Instructions

Clean the external surfaces of the radio product with a damp cloth, using a mild solution of dishwashing detergent and water. Some household cleaners may contain chemicals that could seriously damage the radio product. Avoid the use of any petroleum-based solvent cleaners. Also, avoid applying liquids directly on the radio product.

Antenna Considerations

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the radio product, or result in violation of local agency regulations.