



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for MOTOROLA K7GEM1000. You'll find the answers to all your questions on the MOTOROLA K7GEM1000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual MOTOROLA K7GEM1000 User guide MOTOROLA K7GEM1000 Operating instructions MOTOROLA K7GEM1000 Instructions for use MOTOROLA K7GEM1000 Instruction manual MOTOROLA K7GEM1000



KEM-PC1A19-07 EM1000 Series

For more information, you may call Motorola at 1 800 833 8139 (U.S. and Canada), or e-mail us at customersupport@motorola.com or visit us on the Internet at www.motorola.com.

Safety and General Information

Important Information on Safe and Efficient Operation

Read This Information Before Using Your Radio

The information provided in this document is intended to give the general safety information to users. It is not intended to be a substitute for the safety information in your radio's user manual.

Transmit and Receive Precautions

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the general population's average daily environment exposure limits, always follow the following procedures:

- Transmit no more than 50% of the time.
- To receive calls, release the PTT button.
- To transmit (talk), press the Push-to-Talk (PTT) button.
- Transmitting 50% of the time, or less, is important because the radio generates considerable RF energy exposure, only when transmitting in the form of meaningful digital signals.

Exposure to Radio Frequency Energy

Your Motorola radio is FCC compliant with the following RF energy exposure limits and guidelines:

- United States Federal Communications Commission, Code of Federal Regulations, 47CFR part 2, sub part J.
- American National Standards Institute (ANSI) Institute of Electrical and Electronic Engineers (IEEE) CB, 1-1992.
- Institute of Electrical and Electronics Engineers (IEEE) C95.1, 1991 Edition.
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998.
- Ministry of Health (Canada) Safety Code 6 Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 30 MHz to 300 GHz, 1988.
- Australian Communications Authority Recommendations on Specific Absorption Rate (SAR) (Human Exposure) Standard, 2002.
- ANATEL (ANATEL) Resolution No. 302 of July 2, 2002 "Regulation of Interference of Operation of Electrical, Magnetic and Electromagnetic Fields in the Radio Frequency Spectrum between 100 kHz and 300 GHz" and "Attachment to resolution 302 of July 2, 2002".

To ensure optimal radio performance and to keep you from exposure to radio frequency electromagnetic energy within the guidelines set forth in the above standards, always follow the following procedures:

- **Portable Radio Operation and EMF Exposure**
- **Antenna Care**
- Use only the specified or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the radio and may violate FCC regulations.

Do NOT hold the antenna when the radio is "ON USE" - holding the antenna affects the effective output.

Body Motion Operation
To ensure compliance with FCC/Health Canada RF exposure guidelines if you wear a radio on your body when transmitting always place the radio in a Motorola-approved or approved carrying holder, holster, case or body harness for this product. Use those Motorola-approved accessories may exceed FCC/Health Canada RF exposure guidelines.

If you do not use one of the Motorola-approved or approved body-worn accessories and are not using the radio holder, the correct use is to wear the radio and its antenna at least 1 inch (2.5 cm) and from your body when transmitting.

Data Operation
If applicable, when using any data feature of the radio with or without an accessory cable, position the radio and its antenna at least one inch (2.5 cm) from the body.

Approved Accessories
For all FCC-approved Motorola accessories, visit our Web site at www.motorola.com.

Electromagnetic Interference/Compatibility
Note: Heavy-duty electronic devices are not suitable for electromagnetic interference (EMI) and radio frequency (RF) shielding or electronic equipment for electromagnetic compatibility. The device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

- 1. This device may not cause harmful interference and, if it does, the user must accept any interference received, including interference that may cause undesired operation.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Caution
To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals and health care facilities may have equipment that is sensitive to external RF energy.

Aircraft
When required to do so, turn off your radio when onboard an aircraft. Any use of a radio while in an aircraft with applicable regulations per carrier or operator instructions.

Medical Devices - Pacemakers
The Federal Medical Technology Association recommends that a minimum separation of 6 inches (15 cm) be maintained between a handheld mobile radio and a pacemaker. These recommendations are consistent with the independent consistency and recommendations of the U.S. Food and Drug Administration.

People with pacemakers should:
• ALWAYS keep the radio more than 6 inches (15 cm) from their pacemaker when the radio is turned ON.

• Not use any radio in the vicinity of:
• Use the set opposite the pacemaker to minimize the potential for interference.

• Turn the radio OFF immediately if there is any reason to suspect that interference is taking place.

Medical Devices - Hearing Aids
Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Medical Devices - Other
If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. No physician may be able to assist you in obtaining information.

Safety and General Use While Driving
Check the laws and regulations regarding the use of radios in the area where you drive, and always obey them. If you use your radio while driving, please:

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

The use of a two-way radio while engaged in activities requiring concentration may cause distraction and obstruct your ability to safely participate in such activities. Always use technology wisely.

Do not place a portable radio in the area over an air bag or in the air bag deployment area. An air bag inflator with great force, if a portable radio is located in the air bag deployment area, and the air bag inflates, the radio may be propelled with great force and cause serious injury or death to the vehicle's occupants.

Potentially Explosive Atmospheres
Turn your radio off prior to entering any area with a potentially explosive atmosphere. Only radio types that are especially marked should be used in such areas as "intrinsically safe." Do not remove, install or change batteries in such areas. Sparks from a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Some areas with potentially explosive atmospheres are referred to as "hot" areas. These areas include but are not limited to, but not limited to, hot or chemical tanks or storage facilities, areas where the air contains flammable or explosive gases, dust or vapors, or other such areas where you should not use your radio. Areas with potentially explosive atmospheres are often—but not always—marked.

Blowing Glass and Air
To avoid possible interference with blowing operations, turn off your radio when you are near electrical blowing pipes, air blowing pipes, or a areas posted "Turn off all two-way radios." Obey all signs and instructions.

Antennas
Do not use any portable radio that has a damaged antenna. If a necessary, have the antenna replaced by a qualified technician as soon as possible.

Approved Accessories
Do not use any portable radio that has a damaged antenna. If a necessary, have the antenna replaced by a qualified technician as soon as possible.

Battery Charge Safety Instructions
See these instructions:

- 1. Do not expose the charger to rain or water.
- 2. Do not operate or disassemble the charger if it has received a charge shock, or has been dropped or damaged in any way.
- 3. Never allow the AC cord or plug to come in contact with the plug or other electrical parts of the charger.

4. To reduce the risk of electric shock, unplug the charger from the wall outlet immediately after use.

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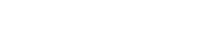
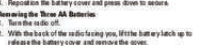
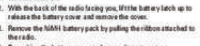
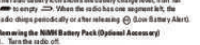
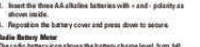
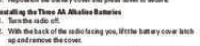
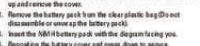
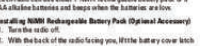
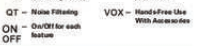
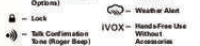
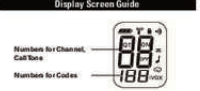
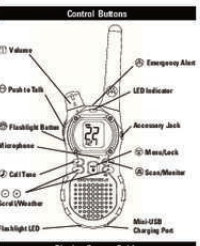
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2. Gently remove each battery by using each battery one individually. 4. Repeat the battery cover and press down to secure.

Notes
• Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove either of these batteries. Remove the batteries before storing your radio for extended periods of time. Batteries can discharge over time and may cause permanent damage to your radio.

Using the Battery Charger (Optional Accessory)
The battery charger provides drop-in charging convenience for NiMH batteries and can be used to charge other battery types, such as a lead-acid or wet-cell. Charge the NiMH battery overnight (at least 8 hours) before using for the first time. After the initial charge, an empty battery is fully charged within 14 hours.

Using the USB Charging Connector
The USB charging connector is a handy port that allows you to conveniently charge your NiMH battery pack. This is an alternative to charging your NiMH battery pack in the Battery Charger. It is not intended to charge other battery types and especially not when used while transmitting.

Available USB Charging Options (Optional Accessory)
1. With a radio facing forward, slide it into one of the charging ports. 2. Vehicle charger. 3. USB computer cable. 4. USB power supply.

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This is an alternative to charging your NiMH battery pack in the Battery Charger. It is not intended to charge other battery types and especially not when used while transmitting.

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Available USB Charging Options (Optional Accessory)
1. With a radio facing forward, slide it into one of the charging ports. 2. Vehicle charger. 3. USB computer cable. 4. USB power supply.

Talk Range
Your radio is designed to maximize performance and improve transmission range. Do not use the radio closer than the feet you want.

Mobile Usage
Pressing and holding the PTT button for three seconds allows you to listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume. For more information, see the user manual.

Push to Talk (PTT) Timeout Timer
To prevent accidental transmission and save battery life, the radio enters a continuous waiting tone and stops transmitting if you press PTT for 60 continuous seconds.

Menu Option
Setting the Channel
Your radio has 22 channels. Channels 1-11 are FRS channels and channels 12-22 are GMRS channels. Use the Channels and Frequencies table on page 10 for details.

1. With the radio on, press the Channel Up/Down button. 2. Press the Channel Up/Down button. When the radio is on a 15-watt channel, the display shows the current channel number.

3. Press the Channel Up/Down button. When the radio is on a 5-watt channel, the display shows the current channel number.

4. Press the Channel Up/Down button. When the radio is on a 1-watt channel, the display shows the current channel number.

5. Press the Channel Up/Down button. When the radio is on a 0.5-watt channel, the display shows the current channel number.

6. Press the Channel Up/Down button. When the radio is on a 0.2-watt channel, the display shows the current channel number.

7. Press the Channel Up/Down button. When the radio is on a 0.1-watt channel, the display shows the current channel number.

8. Press the Channel Up/Down button. When the radio is on a 0.05-watt channel, the display shows the current channel number.

9. Press the Channel Up/Down button. When the radio is on a 0.02-watt channel, the display shows the current channel number.

10. Press the Channel Up/Down button. When the radio is on a 0.01-watt channel, the display shows the current channel number.

11. Press the Channel Up/Down button. When the radio is on a 0.005-watt channel, the display shows the current channel number.

12. Press the Channel Up/Down button. When the radio is on a 0.002-watt channel, the display shows the current channel number.

13. Press the Channel Up/Down button. When the radio is on a 0.001-watt channel, the display shows the current channel number.

14. Press the Channel Up/Down button. When the radio is on a 0.0005-watt channel, the display shows the current channel number.

15. Press the Channel Up/Down button. When the radio is on a 0.0002-watt channel, the display shows the current channel number.

16. Press the Channel Up/Down button. When the radio is on a 0.0001-watt channel, the display shows the current channel number.

17. Press the Channel Up/Down button. When the radio is on a 0.00005-watt channel, the display shows the current channel number.

18. Press the Channel Up/Down button. When the radio is on a 0.00002-watt channel, the display shows the current channel number.

19. Press the Channel Up/Down button. When the radio is on a 0.00001-watt channel, the display shows the current channel number.

20. Press the Channel Up/Down button. When the radio is on a 0.000005-watt channel, the display shows the current channel number.

21. Press the Channel Up/Down button. When the radio is on a 0.000002-watt channel, the display shows the current channel number.

22. Press the Channel Up/Down button. When the radio is on a 0.000001-watt channel, the display shows the current channel number.

23. Press the Channel Up/Down button. When the radio is on a 0.0000005-watt channel, the display shows the current channel number.

24. Press the Channel Up/Down button. When the radio is on

Manual abstract:

motorola.com. Electromagnetic Interference/Compatibility Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 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. Blasting Caps and Areas To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted “Turn off two-way radios.” Obey all signs and instructions. Operational Cautions Antennas Do not use any portable radio 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—like 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. Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove either of these batteries.

Battery Charger Safety Instructions: Save these Instructions 1. Do not expose the charger to rain or snow. 2. Do not operate or disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way. 3.

Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock. 4. To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger from the AC receptacle. 5. To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning. 6. Use of an attachment not recommended or sold by Motorola may result in a risk of fire, electric shock or personal injury. 7.

Make sure the cord is located so it will not be stepped on, tripped over or subjected to damage or stress. 8. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of a fire and/or electric shock. If an extension cord must be used, make sure that: • The pins on the plug of the extension cord are the same number, size and shape as those on the plug of the charger. • The extension cord is properly wired and in good electrical condition. • The extension cord size is 18 AWG for lengths up to 100 feet, and 16 AWG for lengths up to 150 feet. 9. The supply cord of the AC adaptor cannot be replaced. If the cord is damaged, call customer service at 1-800-638-5119 (U.

S. and Canada) or e-mail us at giantintl@callcenter.com. Control Buttons Volume Emergency Alert 3. Gently remove each battery by easing each battery out individually.

4. Reposition the battery cover and press down to secure. Notes • Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove either of these batteries. • Remove the batteries before storing your radio for extended periods of time.

Batteries corrode over time and may cause permanent damage to your radio. Using the Battery Charger (Optional Accessory) The battery charger provides drop-in charging convenience for NiMH batteries and can be placed on any flat surface, such as a desk or workbench. Charge the NiMH battery overnight (at least 16 hours) before using it for the first time. After the initial charge, an empty battery is fully charged within 14 hours. 1. 2. 3. 4. Follow the steps above to install a NiMH Battery Pack. Plug the AC power supply cord into the jack on the desk stand.

Plug the AC power supply into a standard wall outlet. With a radio facing forward, slide it into one of the charging pockets. 5. When charging in the battery charger, the red light on the charger base will glow continuously. Using the mini-USB Charging Connector The mini-USB charging connector is a handy port that allows you to conveniently charge your NiMH battery pack. This is an alternative to charging your NiMH battery pack in the Battery Charger desk stand using the AC wall adaptor and especially useful when used while traveling. Available mini-USB charging options: (optional accessories) 1. Wall travel charger 2. Vehicle charger 3. Mini-USB computer cable If using a computer, the computer must be turned on.

This and other accessories (sold separately) are available for your radio. Talk Range Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than five feet apart. Monitor Button Pressing and holding for three seconds allows you to listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume, if necessary.

You can also press to check for activity on the current channel before you talk. Push to Talk Timeout Timer To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press for 60 continuous seconds. Push to Talk LED Indicator Flashlight Button Microphone Accessory Jack Menu Options Selecting the Channel Your radio has 22 channels. Channels 8-14 are FRS 0.5 watt only and all other channels are GMRS (See the "Channels and Frequencies" table on overleaf for details).

1. With the radio on, press watt channel, channel, 2. Press 3. Press or . When the radio is on a 0.5 displays. When the radio is on a 1.5 watts displays. The current channel flashes. and select an unused or quiet channel.

to continue set up. to save the channel setting or Menu/Lock Call Tone Scan/Monitor Scroll/Weather Flashlight LED Mini-USB Charging Port Display Screen

Guide KEM-PK14190-67 EM1000 Series 1. This device may not cause harmful interference; and 2. This device must accept any interference received, including interference that may cause undesired operation. Facilities To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft When instructed to do so, turn off your radio when onboard an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions. Medical Devices – Pacemakers The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15 cm) be maintained between a handheld wireless radio and a pacemaker.



[You're reading an excerpt. Click here to read official MOTOROLA](http://yourpdfguides.com/dref/5132661)

[K7GEM1000 user guide](http://yourpdfguides.com/dref/5132661)

<http://yourpdfguides.com/dref/5132661>

These recommendations are consistent with the independent research by and recommendations of the U.S. Food and Drug Administration. People with pacemakers should: ••• ALWAYS keep the radio more than 6 inches (15 cm) from their pacemaker when the radio is turned ON. Not carry the radio in the breast pocket. Use the ear opposite the pacemaker to minimize the potential for interference.

Turn the radio OFF immediately if there is any reason to suspect that interference is taking place. Numbers for Channel, Call Tone Numbers for Codes

Selecting The Interference Eliminator Code Interference Eliminator Codes help minimize interference by blocking transmissions from unknown sources. Your radio has 121 Interference Eliminator Codes. Codes 1 – 38 are the standard analog codes that appear on other FRS/GMRS radios. Codes 39 – 121 are additional digital codes added for superior interference protection.

0 is the off position, no analog or digital codes are enabled. To set the code for a channel: 1. Press until the code starts to flash. 2. Press or to select the code.

3. Press to save the code setting or to continue set up. You can set a different code for each channel using this procedure. An extended press of or allows you to scroll through the Interference Code rapidly so you can quickly reach the code you want. Note: You must set the Interference Eliminator Code to 0 on a radio that uses Interference Eliminator Codes to communicate with radios that do not have Interference Eliminator Codes.

Select 0 for “no tone, no code” and OFF will flash on your radio’s display. Setting and Transmitting Call Tones Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk. You have 10 call tones from which to choose. To set a call tone: 1. With the radio on, press 2. Press or three times until the current appears. For More Information For further information, you may call Motorola at 1-800-638-5119 (U.S. and Canada), or e-mail us at giantintl@callcenter.com or visit us on the Internet at www.motorola.com.

— Battery Meter — Channel Power Indicator (see Menu Options) — Lock — Talk Confirmation Tone (Roger Beep) — Noise Filtering — On/Off for each feature — Scan — Call Tone, Keypad Tone — Weather Alert — Hands-Free Use Without Accessories — Hands-Free Use With Accessories Safety and General Information Important Information on Safe and Efficient Operation Read This Information Before Using Your Radio. The information provided in this document supersedes the general safety information in user guides published prior to December 1, 2002. Transmit and Receive Procedure Your two-way radio contains a transmitter and a receiver.

To control your exposure and ensure compliance with the general population/ uncontrolled environment exposure limits, always adhere to the following procedure: •Transmit no more than 50% of the time. •To receive calls, release the PTT button. •To transmit (talk), press the Push to Talk (PTT) button.

Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting (in terms of measuring standards compliance). Exposure to Radio Frequency Energy Your Motorola two-way radio complies with the following RF energy exposure standards and guidelines: •United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J. •American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992. •Institute of Electrical and Electronics Engineers (IEEE) C95. 1-1999 Edition. •International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998. •Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 KHz to 300 GHz, 1999. •Australian Communications Authority Radiocommunications (Electromagnetic Radiation—Human Exposure) Standard, 2003. •ANATEL ANNEX to Resolution No. 303 of July 2, 2002 “Regulation of limitation of exposure to electrical, magnetic and electromagnetic fields in the radio frequency range between 9 KHz and 300GHz” and “Attachment to resolution #303 from July 2, 2002”.

To ensure optimal radio performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to ts in the area where you drive, and always obey them. If you do use your radio 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. The use of a two-way radio while engaged in activities requiring concentration may cause distraction or otherwise impair your ability to safely participate in such activities. Always use technology safely. Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to occupants of the vehicle. Potentially Explosive Atmospheres Turn off your radio prior to entering any area with a potentially explosive atmosphere.

Only radio types that are especially qualified should be used in such areas as “Intrinsically Safe.” Do not remove, install or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death. 3. Press to set the new call tone or to continue set up.

To transmit your call tone to other radios set to the same channel and Interference Eliminator Code as your radio, press . Note: Setting the call to 0 disables the call tone feature. Hands-Free Use Without Accessories () You can use the iVOX feature to transmit hands-free without the need for any headset accessories. Once iVOX is turned on, the radio detects your voice and transmits when you speak into the internal microphone. 1.

Press until appears on the display. The current setting On/Off will flash. 2. Press or to select On or Off. 3. Press to set or to continue set up. FCC Licensing Information Your Motorola radio operates on General Mobile Radio Service (GMRS) frequencies and is subject to the Rules and Regulations of the Federal Communications Commission (FCC). The FCC requires that all operators using GMRS frequencies obtain a radio license before operating their equipment. To obtain the FCC forms, please request Form 605 and 159 , which includes all of the forms and instructions you will need. @@@@Many accessories (sold separately) are available for your radio.

@@@1. @@2. Turn the radio on. VOX shows on the display. 3. Adjust the volume appropriately by rotating .



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@@@4. To turn off, simply remove accessory. @@There is a short delay before the transmission is completed. Continued on back EM1000 2.
Rotate counterclockwise to decrease the volume. Do not hold the radio close to your ear. @@@@1. To talk, press and hold . .
2. @@@@1. @@2. Press or to select the sensitivity level. 3.

@@@@@Built-in Flashlight Press the flashlight button to turn the light on. The switch functions as a momentary control for the light. @@Keypad Lock To avoid accidentally changing your radio settings: 1. Press and hold until displays. 2. @@All other functions are locked. To unlock the radio, press and hold until is no longer displayed. @@@@The "Advanced Scan" mode will scan all channels for any and all codes, detect any code in use, and use that code value temporarily for that channel. Priority is given to the "home channel," that is, the channel (and Interference Eliminator Code) your radio was set to when you start the scan. This means the initial channel (and code setting) is scanned more often than the other 21 channels, and your radio will respond quickly to any activity occurring on the home channel as a priority.

To start Scanning: 1. Briefly press the key. The scan will appear in the display, and the radio will begin to scroll through the channel and code combinations. 2. When the radio detects channel activity matching the channel and code combination, it stops scrolling and you can hear the transmission. 3. To respond and talk to the person transmitting, press within five seconds after the end of the transmission. 4. The radio will resume scrolling through the channels five seconds after the end of any received activity. 5.

To stop scanning, briefly press the key. To start Advanced Scanning: 1. Set the Interference Eliminator Code to "zero" or OFF. 2. Briefly press the key. The scan will appear in the display, and the radio will begin to scroll through the channels. No Interference Eliminator Codes will filter what is heard. 3. When the radio detects channel activity with ANY code (or NO code), it stops scrolling and you can hear the transmission. Any Interference Eliminator Code that may be in use by that party will be detected and displayed.

4. To respond and talk to the person transmitting, press within five seconds of the end of the transmission. The radio will transmit using the newly detected Interference Eliminator Code. 5. The radio will resume scrolling through the channels five seconds after the end of any received activity. 6. To stop scanning, briefly press the key. Scanning Notes: 1. If you press while the radio is scrolling through inactive channels, the transmission will be on the "home channel". Scanning will resume five seconds after the end of your transmission.

You may press the key to stop scanning at any time. 2. If the radio stops on an undesired transmission, you may immediately resume the scan by briefly pressing or . 3. If the radio repeatedly stops on an undesired transmission, you may temporarily remove that channel from the scan list by pressing and holding or for three seconds. You may remove more than one channel in this way. 4. To restore the removed channel(s) to the scan list, turn the radio off and then back on, or exit and re-enter the scanning mode by pressing . 5. You cannot remove the home channel from the scan list.

6. In Advanced Scan, the detected code will only be used for one transmission. You must note the code, exit scan, and set that detected code on that channel to permanently use the detected code. Weather Receiver Your radio can tune in to broadcasts by the United States National Oceanic and Atmospheric Administration (NOAA) Weather Radio and Environment Canada Weatheradio. You can listen to a weather channel (see "Weather Channels and Frequencies" table below) or set your radio to alert you to emergency weather broadcasts that interrupt routine broadcasts.

When you listen to a weather channel, you cannot use your radio in scan mode or for two-way communications. Both NOAA and Environment Canada have transmitters located throughout the United States and Canada, respectively. These transmitters broadcast watches, forecasts, and other information 24 hours a day. Note: NOAA weather radio stations are assigned to cover specific areas and service may be limited. Please check with your local weather office for frequency and details, or visit www.weather.gov/nwr in the US or www.msc.ec.gc.ca/msb/weatheradio in Canada to view the appropriate transmitter for your area. The use of the NOAA logo does not provide an endorsement or implied endorsement by NOAA's National Weather Service, nor does the use of the Weatheradio logo provide an endorsement or implied endorsement by Environment Canada. Turning Weather Channel Reception On and Off 1. To turn weather reception on, press and hold for 3 seconds. 2.

To turn off, press or turn the radio off and then back on. Setting the Weather Channel Your radio receives weather frequencies: 1. After turning weather reception on, press . The current channel flashes. 2. Press or to select the appropriate channel with good reception in your area. 3. Press to save the weather channel setting. Setting the Weather Alert Your radio can be set to respond to NOAA Weather Radio emergency messages. A special alarm tone sounds an alert and turns on the weather receiver to give you immediate weather and emergency information.

1. After turning weather reception on, press twice. On/Off displays. 2. Press or to select On/Off. If you activate Weather Alert and return to two-way mode, 3. Press will display. to save the Weather Alert setting. Warranty Consumer Two-Way Radio Products and Accessories purchased in the United States or Canada. What Does this Warranty Cover? Subject to the exclusions contained to the right, Giant International Ltd.

warrants the Motorola branded consumer two-way radios that operate via Family Radio Service or General Mobile Radio Service that it manufactures ("Products"), the Motorola branded or certified accessories sold for use with these Products that it manufactures ("Accessories") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola branded Products and Accessories manufactured by Giant International Ltd., and purchased by consumers in the United States or Canada, which are accompanied by this written warranty: Products Covered Products and Accessories as defined above, unless otherwise provided for below. 1. Decorative Accessories and Cases. Decorative covers and cases. 2. Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection. 3.

Consumer Two-Way Radio Accessories. Length of Coverage One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below. 1. Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.



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2. Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product. 3. Ninety (90) days from the date of purchase by the first consumer purchaser of the product. 4. The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse.

Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d)

other acts which are not the fault of Motorola or Giant International Ltd., are excluded from coverage. Use of Non-Motorola branded Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, Giant International Ltd. or its authorized service centers, are excluded from coverage. Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage. Communication Services.

Defects, damages, or the failure of Products or Accessories due to any communication service or signal you may subscribe to or use with the Products or Accessories is excluded from coverage. 3 = High Sensitivity for quiet environments 2 = Medium Sensitivity for most environments 1 = Low Sensitivity for noisy environments Note: When you connect a headset, the radio is automatically set to the last chosen sensitivity level. QT Noise Filtering The QT noise-filtering feature helps to ensure uninterrupted communication with other Motorola radios that have this feature. This feature also filters out unwanted transmissions from other radios.

This is useful in places where there is heavy radio traffic, such as amusement parks or ski resorts. Note: QT noise filtering is not available when the radio is scanning. To turn QT noise filtering on or off: 1. Press until displays. The current setting On/Off will flash. 2. Press 3. Press or to turn noise filtering On or Off. to continue set up. to confirm your selection or 4.

Products and Accessories that are Repaired or Replaced. To transmit to a radio that has QT noise filtering turned on: 1. Select the same channel and Interference Eliminator Code as the other radio. 2. Press to send a call tone.

This allows your voice to pass through the QT noise filter on the receiving radio. 3. Press and speak normally. Note: If you skip step 2, the beginning of your message may not be heard on the receiving radio. For a 30-second period, starting after the last transmission, all transmissions received on the selected channel and code will pass through the QT noise filter.

Keypad Tones You may enable or disable the speaker key tones. You will hear the key tone each time a button is pushed. 1. Press until or appears. The current setting On/Off will flash. to turn On or Off. 2. Press either Who is covered? This warranty extends only to the first consumer purchaser, and is not transferable. What will GIANT INTERNATIONAL LTD. do? GIANT INTERNATIONAL LTD.

, at its option, will at no charge repair, replace or refund the purchase price of any Products or Accessories that does not conform to this warranty. We may use functionally equivalent reconditioned/ refurbished/ pre-owned or new Products, Accessories or parts. How to Obtain Warranty Service or Other Information? To obtain service or information, please call: USA Two-Way Radios 1-800-638-5119 giantintl@callcenter.com Canada Two-Way Radios

1-800-638-5119 giantintl@callcenter.com 3. Press to confirm or to continue set up. Note: When the key tone feature is off, the following are not disabled: • • • • Transmit timeout alert tone Call tone Low battery alert tone or The transmitted talk confirmation tone Transmitting a Talk Confirmation Tone You can set your radio to transmit a unique tone when you finish transmitting. It is like saying "Roger" or "Over" to let others know you are finished talking. 1. With the radio on, press until the setting On/Off flashes.

2. Press or to turn On or Off. 3. Press to set or appears. The current 4.

Press to return to two-way mode. @@@@ You will receive instructions on how to ship the Products or Accessories at your expense, to a GIANT INTERNATIONAL LTD. Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number. What Other Limitations Are There? ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OF IMPLIED.

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All radios in your group using the same channel and interference eliminator code can receive the message. EM1000 series radios will automatically advance the speaker volume to a loud setting (the maximum rated output level), regardless of the volume control position. A unique alert tone will be emitted from the receiving radios and heard by your group. The alert tone is also emitted from your own radio speaker to attract attention in your vicinity.

Any spoken words or incidental sounds will be transmitted to others. EM1000 series radios will be operating in an automatic "hands free" emergency transmission control mode for a total of 30 seconds. For the duration of the emergency alert, your radio will be locked into a transmitting mode and the other EM1000 radios in your group will be locked into a receiving mode to help ensure the receipt of your emergency message. 1. Press and hold the Emergency Alert button for 3 seconds. 2. An alert signal will be transmitted for 8 seconds to alert other receivers. 3. Your voice or incidental sounds will be transmitted for 22 seconds. There is no need to continue to hold the Emergency Alert button or use the PTT button for your message to be transmitted. 4. After 30 seconds your radio will return to normal two-way mode. EM1000 series radios will automatically return to the initial volume setting as controlled by the volume knob. Both the sender and the receiver will again be able to talk to each other using the PTT or VOX methods of transmission control. Channels and Frequencies Channel Frequency 1 2 3 4 5 6 7 8 9 10 11 Description Channel 12 13 14 15 16 17 18 19 20 21 22 Frequency 467.6625 MHz 467.6875 MHz 467.7125 MHz 462.5500 MHz 462.5750 MHz 462.6000 MHz 462.6250 MHz 462.6500 MHz 462.6750 MHz 462.7000 MHz 462.7250 MHz Description FRS FRS FRS GMRS GMRS GMRS GMRS GMRS GMRS GMRS GMRS GMRS GMRS GMRS GMRS Patent and Copyright Information Manufactured, distributed or sold by Giant International Ltd., official licensee for this product. Motorola, the Stylized M Logo, and other Motorola trademarks and trade dress are owned by Motorola, Inc. and are used under license from Motorola, Inc. MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office.

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