

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 transmit (talk), press the Push to Talk (PTT) button.
- To receive calls, release the 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 Our 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 Electronic 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 Radio frequency Electromagnetic Fields in the Frequency Range from 3 KHz to 300 GHz, 1999
- Australian Communications Authority Radio communications (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 9KHz and 300GHz” and “Attachment to resolution #303 from July 2, 2002”

To assure 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 the following procedures.

Portable Radio Operation and EME Exposure

Antenna Care

Use **only the supplied 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 “IN USE”. Holding the antenna affects the effective range.



Two-way Radio Operation

When using your radio as a traditional two-way radio, **hold the radio in a vertical position with the microphone 1 to 2 inches (2.5 – 5 cm) away from the lips**.

Body-Worn Operation

To maintain compliance with FCC/Health Canada RF exposure guidelines, if you wear a radio on your body when transmitter, always place the radio in a Our supplied or approved clip, holder, holster, case, or body harness for this product. Use of non-Our- approved accessories may exceed FCC/Health Canada RF exposure guidelines.

If you do not use one of the our-supplied or approved body-wore accessories, and are not using the radio held in the normal use position, **ensure the radio and its antenna are at least 1 inch (2.5 cm) 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 1 inch (2.5 cm) from the body**.

Electromagnetic Interference/Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

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 on board 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. These recommendations are consistent with the independent research by, and recommendations of the U.S. Food and Drug Administration. Persons with pacemakers should:

- ALWAYS keep the radio more than 6 inches (15cm) 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 you have 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.

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 RF energy. Your physician may be able to assist you in obtaining this information.

Safety and General Use While Driving

Check the laws and regulations on the use of radios in the area where you drive. Always obey them. When using 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.

Operational Warnings

For Vehicles with an Air Bag

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, unless it is a radio type especially qualified for use 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.

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 radio." 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 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.

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. Make sure the cord is located so it will not be stepped on, tripped over, or subjected to damage or stress.

7. An extension cord should be used unless absolutely necessary. Use of an improper extension cord could result in a risk of 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 cord size is 18 AWG for lengths up to 100 feet, and 16 AWG for lengths up to 150 feet.
8. This device may not cause interference, and
9. This device must accept any interference, including interference that may cause undesired operation of the device."

FCC Licensing Information

Your 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 forms and instructions. If you wish to have the document faxed or mailed, or have questions, please use the following contact information.

Faxed Contact the Fax-On-Demand System at:	Mailed Call the FCC forms Hotline at:	Questions Regarding FCC license Contact the FCC at:
1-202-418-0177	1-800-418-FORM 1-80-418-3676	1-888-CALL-FCC 1-888-225-5322 Or: http://www.fcc.gov











Changes or modifications not expressly approved by may void the user's authority granted by the FCC to operate this radio and should not be make. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.




Congratulate you have an advanced, high technology radio!

Caution: please read operation manual carefully so that you can operate correctly. Given the data are all standard, but we remain some amplitude error.

Functions. Description:

1. Antenna
 2. LCD: Display selected channel
 3. Microphone
 4. Loudspeaker
 5.  Increase the channel/Interference Eliminator Code
 6.  : Mode select
 7.  Scanning channels
 8.  Decrease channel/ Interference Eliminator Code
 9.  . To transmit your call tone to other radios set to the same channel and Interference Eliminator Code as your radio
 10. Batteries compartment (back)
 11. Batteries cover
 12.  Start receiving/listening
 13.  Power on/off
 14. When transmitting, the red light keeps lighting
 15. Jack port
 16. Belt clip
-
-  Display the battery charge level
 -  Display the channel
 -  Display the Interference Eliminator Code

CA: display the melody

-  Display when VOX function turns on
-  Keypad locked
-  Talk Confirm tone



Attaching the Belt Clip (optional accessories)

1. Align the belt clip post with the hole in the back of the interphone
2. Gently push until the clip clicks into place



Removing the Belt Clip

1. Push down on the release tab at the top of the belt clip to release the catch
2. Pull the belt clip away from the back of the radio.



Turning Your Radio On And Off

To turn on, press and hold  Button until the radio chirps and the display all feature icons that your radio has available for a brief period. The display will show the channel 1 - 22 and interference eliminator code 0 - 38. To turn off, press and hold  Button until the display blank.


Setting the volume

When power up, Press  or  button to adjust your volume to a comfortable listening level. When setting volume, there is a “V” in the display.

Talking and Listening





- 1 To communicate all radios in your group must be set to the same channel and interference Eliminator Code.
2. To talk, press and hold . Hold the radio 2 to 3 inches away from your mouth when talking.
3. When you finish talking, release  (press to talk, release to listen)

Checking the Channel Before Transmitting

Your radio has multiple channels shared on a “take turns” basis. For uninterrupted communication, do not talk on a channel if someone else is currently talking on it. To check for activity on a channel before you talk, press and hold . If you hear static, the channel is clear to use..

Setting a channel


The channel is the frequency your radio uses to transmit. Your radio has 22 channels. Channel 1-7 and 15 -22 are 1 watt. Channels 8 - 15 are 0.5 watt.

1. With the radio power on. Briefly press . And Release. The current channel number flashes.
2. Press  or  to select a channel
3. Press  to save the channel setting.

Chan nel	Frequencies (MHz)	Power –Watts and description	Chan nel	Frequencies (MHz)	Power – Watts and description
1	462.5625	GMRS/FRS	12	467.6625	FRS
2	462.5875	GMRS/FRS	13	467.6875	FRS
3	462.6125	GMRS/FRS	14	467.7125	FRS
4	462.6375	GMRS/FRS	15	462.5500	GMRS
5	462.6625	GMRS/FRS	16	462.5750	GMRS
6	462.6875	GMRS/FRS	17	462.6000	GMRS
7	462.7125	GMRS/FRS	18	462.6250	GMRS
8	467.5625	FRS	19	462.6500	GMRS
9	467.5875	FRS	20	462.6750	GMRS
10	467.6125	FRS	21	462.7000	GMRS
11	467.6375	FRS	22	462.7250	GMRS





Scanning Channels

Use scanning to monitor channels and codes for transmissions or to find someone in your group who has accidentally changed channels.



To start scanning, briefly press and release  the scan indicator “z “ displays.

When the radio detects channel activity, it stops scanning and you can hear the transmission.



To respond to the transmission, press  within 5 seconds.

Note: if your radio’s interference Eliminator Code is set to  while scanning, the radio checks for activity on each channel regardless of the code used on the channel. If your radio’s interference Eliminator Code is set to , the radio checks for activity only on channels using codes  and ignores channels using code 

Scan Advance

If the radio stops scanning on a channel you do not want to listen to, briefly press and release  or  to resume scanning for the next active channel

Removing Channels from the Scan List (Nuisance Delete Feature)

To remove a channel so the radio does not stop on it while scanning, press and hold  or  for at least 3 seconds, then release. This temporarily removes the channel from the scan list. To restore the channels, turn the radio off and then back on.

Note: You cannot remove the channel on your radio was set to when you started the scan (called your home channel).





Special Features

Interference Eliminator Code


Interference Eliminator Codes help minimize interference by providing you with choice of

code combinations.


To set code for a channels.

- 1.press  until the code starts to flash.
- 2.press  or  to select the code
- 3.press  to save the code setting



You can set a different code for each channel using this procedure.



Note: You must set the interference Eliminator Code to  on a radio that uses interference Eliminator Codes to communicate with other radios that do not have interference Eliminator Codes.

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.

Locking the Keypad

To avoid accidentally changing your radio settings, press and hold  for 3 seconds of until  displays. You can turn the radio on and off, receive, transmit, send a call tone, and monitor channels. All other functions are locked.

To unlock the radio, press and hold  for 3 seconds or until  is no longer displayed.

Alert






Channel Busy Indicator


When a Channel is busy, the LED flashes twice per second.

Setting and Transmitting Call Tone

Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk.

To set a call tone:

- 1.With the radio on, press  3 times. The current call tone setting flashes and CA displays.
- 2.press  or  to change and hear the call tone.
- 3.press  or  to set the new call tone.

To transmit your call tone to other radios set to the same channel and interference Eliminator Code as your radio, press .





Note:

This radio has 10 call tones.

Setting the call tone to 0 disables the call tone feature.


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.To turn talk confirmation on, Press and hold  while you turn the radio on. When you release  after transmitting, your confirmation tone transmits and  displays.
3. To turn talk confirmation tone off, turn your radio off and then back on while pressing and holding. .

Voice Activation (VOX) Accessories





Voice activation (VOX) allows you to talk hands free when with optional accessories connected to the radio off.

1. Turn the radio off
2. Insert the plug of the audio accessory firmly into the accessory jack
3. Turn the radio on.  Display.
4. Lower the radio volume before placing the accessory on your head or in your ear.
5. To transmit, speak into accessory microphone. There is a short delay between the time you start talking and when the radio transmits.
6. To receive, stop talking.

To Turn VOX off Press  or remove the audio accessory



Setting the Sensitivity Level

Adjusting your radio's sensitivity level helps minimize the possibility of unintended noise triggering a transmission and helps the radio pick up soft voices.

1. Press  until  displays.
2. Press  or  select the sensitivity level:
1. =**Low Sensitivity** 2. =**Medium Sensitivity** 3. =**High Sensitivity**
For noisy for most environments for quiet environments

Note: When you connect a VOX accessory, the radio is automatically set to the last chosen sensitivity level

Battery Meter

The battery icon shows the battery charge level from full  to . Empty



When the battery is empty, the radio chirps periodically after releasing level to protect the rechargeable battery.

Note: Remove the batteries before storing your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.

Accessories

There are many accessories (sold separately) available for your radio.

Using Audio Accessories

1. Turn the radio off. Plug the accessory connector into the jack.
2. Turn the radio on. Lower the volume before placing the accessory on your head or in your ear.
3. Adjust the volume to a comfortable level.
4. To transmit, press  and speak into the accessory microphone.
5. To receive, release .

Warranty

What will giant International Ltd. do? Giant International Ltd., as its option, will at no charge repair, replace or refund the purchase price of any products, accessories or software that does not conform to this warranty. We may use functionally equivalent reconditioned/ refurbished/pre-owned or new products, accessories or parts. No data, software or applications added to you product, accessory or software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How To Obtain Warranty Service Or Other Information?

To obtain service or information, please call:

<p>USA Two-Way Radios 1-800-638-5119</p>	<p>Canada Two-Way Radio 1-800-638-5119</p>
--	--

For Accessories and Software, please call the telephone number designated above for the product with which they are used.

You will receive instructions on how to ship the products, accessories or software, 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. IN NO EVENT SHALL OUR OR GIANT INTERNATIOONAL LTD. BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not all the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal

rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

Laws in the United States and other countries preserve for Our certain exclusive rights for copyrighted Our software such as the exclusive rights to reproduce and distribute copies of the Our software. Our software may only be copied into, used in, and redistributed with, the Products associated with such Our software. No other use, including without limitation disassembly of such Our software or exercise of the exclusive rights reserved for Our, is permitted.

Canadian User Information

"Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."