

OLYMPIA

Two-Way Radio R100 Series

Owner's Manual

Waterproof



Olympia 2-Way radios are intended for recreational (consumer) use only and are not intended for business use. Olympia offers an alternate product designed specifically for business use - Olympia P324 Business radio. See below for contact information.

For a list of accessories sold, please contact us.

Contact Us

For further information, call Giant International Ltd. at 1-866-537-0384, e-mail us at support@giantintl.com or visit us on the Internet at www.olympiaproducts.com

Safety and General Information

Warning: This manual contains important safety and operating information.

Please read, understand, and follow the instructions in this manual. Failure to do so could result in personal injury, death, and/or damage to the radio, accessories and/or other property.

Transmit and Receive Procedure

The 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 Push-to-Talk (PTT) button.
- To transmit (talk), press 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

The Olympia 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 Engineer (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.

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 the following procedures.

Portable Radio Operation and EME Exposure

Antenna Care

Use only the supplied 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.

Body-Worn Operation

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

If you do not use one of the Olympia-supplied or approved body-worn 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.**

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:

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 the radio in any facility where posted notices instruct you to do so. Hospitals, health care facilities or Airports may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off the radio when onboard on 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.

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.

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. Your physician may be able to assist you in obtaining this 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 do use the 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

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 the 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.

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 the 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.

Battery Charger Safety Instructions:

1. Do not expose the micro-USB cable or plug to rain or snow.
2. Never alter the micro-USB cable 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.
3. To reduce the risk of electric shock, unplug the micro-USB charging cable from the power outlet before attempting any maintenance or cleaning.
4. Use of an attachment not recommended or sold by Olympia may result in a risk of fire, electric shock or personal injury.
5. Make sure the micro-USB cable is placed where it will not be stepped on, tripped over or subjected to damage or stress.

FCC Licensing Information

The Olympia 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 visit the FCC's Web site at wireless.fcc.gov/uls/index.htm?job=home to source form 605 and 159, which includes all the instructions you will need.

If you wish to have the document faxed or mailed, or if you have questions, please use the following contact information:

Fax: 1-202-418-0177

For Mail services: 1-800-418-3676

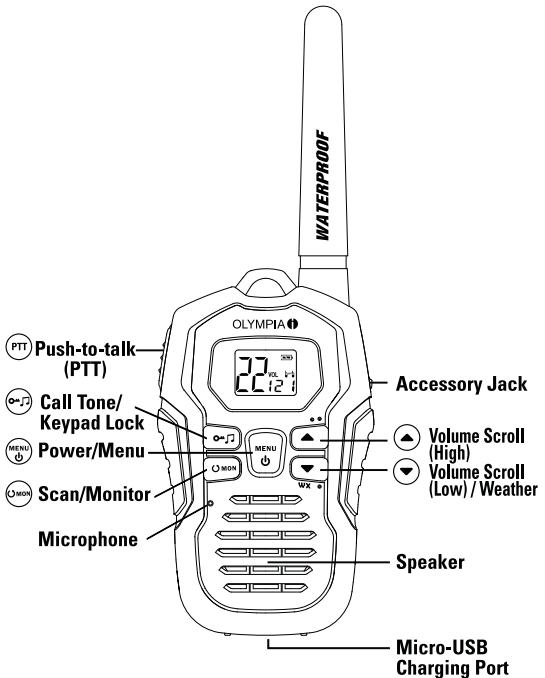
For FCC License Questions: 1-888-225-5322

Changes or modifications not expressly approved by Giant Intl. Ltd. may void the user's authority granted by the FCC to operate this radio and should not be made. 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.

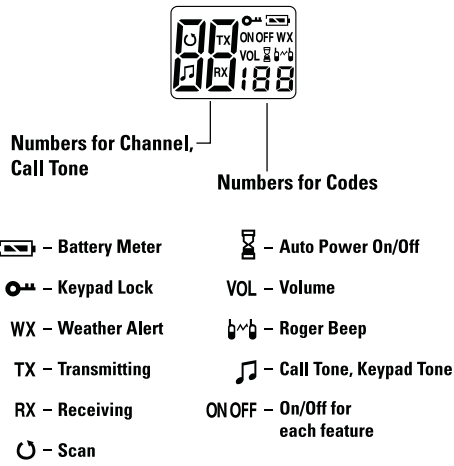
You can find the label with the FCC ID on the back of the radio.

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

Control Buttons



Display Screen Guide



Getting Started

Waterproof

This radio is waterproof to IP-54 standards. It is dust/splashproof from any direction. The radio is resistant to water and rain splashes only when the battery cover, headset accessory and micro-USB ports are sealed. Open the battery compartment door or headset port cover only when the radio is dry. Use of a headset accessory should be in dry environments only. The micro-USB cable and plug is not waterproof. Do not expose the charger to rain or snow. Charge the radios only in a dry location. The battery door must be tightly closed with the screw to maintain the weatherproof seal of the radio.

Installing NiMH Rechargeable Battery Pack or AA Alkaline Batteries

1. With the radio off. Ensure that the belt clip is not attached to the radio.
2. With the back of the radio facing you, loosen the retaining screw on the battery door and open the cover.
3. Remove the NiMH battery pack from the clear plastic bag (do not disassemble or unwrap the battery pack) or remove AA batteries from its packaging.
4. Insert the NiMH battery pack with the diagram on the battery pack facing you or insert the three AA alkaline batteries with + and - polarity as shown inside the battery compartment. The ribbon should be underneath the battery pack/AA batteries and should wrap around the right side of the battery pack for easy removal.
5. Reposition the battery cover and press down to secure.

Radio Battery Meter

The radio battery icon shows the radio battery charge level, from full  to empty . When the radio has one segment left , the radio chirps periodically or after releasing . (see Low Battery Alert section)

Removing the NiMH Battery Pack or AA Alkaline Batteries

1. With the radio off. Ensure that the belt clip is not attached to the radio.
2. With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.
3. Remove the NiMH battery pack or remove the AA batteries by gently pulling the ribbon attached to the radio.
4. Reposition the battery cover and press down to secure.

Notes:

- AA Alkaline batteries are optional accessories and are sold separately.
- 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 the radio for extended periods of time. Batteries corrode over time and may cause permanent damage to the radio.
- The battery door must be tightly closed with the screw to maintain the water resistant seal of the radio.

Using the micro-USB Charging Connector

The micro-USB charging connector is a handy port that allows you to conveniently charge the NiMH battery pack. If using a computer, the computer must be turned on.

1. Plug the micro-USB cable or charger into a power source as is appropriate for your accessory.
2. Plug the cable into the micro-USB port on the bottom of the radio.
3. An empty battery will be fully charged in 14 hours.

4. The battery icon will scroll as the battery is being charged. The scrolling icon will stop when the battery is fully charged.

Notes

- When moving between hot and cold temperatures, do not charge the NiMH battery pack until the battery temperature acclimates (usually about 20 minutes).
- For optimal battery life, remove the radio from the charger within 16 hours. Do not store the radio while connected to the charger.
- If the radio is kept on while charging, the charging time will be extended.
- Even though the charger is connected, you may not be able to transmit a message if the battery is completely empty . Allow time for the battery to charge to 1 bar  before attempting to transmit a message.

Low Battery Alert

In addition to the battery meter which visually shows the current battery charge level, the Low Battery Alert feature produces an audible chirp when the batteries are low.

Attaching and Removing the Belt Clip

1. Align the belt clip post with the groove on the back of the radio and slide it into place.
2. Gently push until the clip clicks in place.

To remove:

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

Turning the Radio On and Off

In the ON position, the radio chirps and briefly shows all feature icons available on the radio. The display screen then shows the current channel, code and all features that are enabled.

1. To turn on, press and hold  until a channel number appears and the radio beeps.
2. To turn off, press and hold  until the display goes blank.

Setting the Volume

The R100 has 16 volume levels controlled by the  or .

1. Press  to increase volume.
2. Press  to decrease volume.
3. Hold  or  to rapidly increase or decrease volume.

Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.

Transmitting and Receiving Calls

To communicate, all radios in your group must be set to the same channel and code setting.

1. To talk, press and hold .
2. When you are finished talking, release .

For maximum clarity, hold the radio two to three inches away from your mouth and speak directly into the microphone. Do not cover the microphone while talking.

Monitor Button

Use the Monitor function to check if a channel is currently in use by others. For maximum range performance, the Monitor function will also help you to hear signals that are weak.

To latch the Monitor function on, press and hold  for three seconds. When an empty channel is located, you will hear continuous static and noise on that channel.

To turn the Monitor function off, release  icon.

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 hold  for more than 60 seconds.

Menu Options

There are 6 options you may set to your preferences. Each press of the MENU key advances you to the next option setting. Press the  or  keys to change the setting. The menu will automatically close 5 seconds after the last press of any button. After the last menu item, the radio exits MENU mode and returns to operation of the radio. A press of the  button while setting any menu option will immediately save all your settings and return to operation of the radio.

1. Channel (1-50)
2. Codes
3. Call Tone (1-10 or OFF)
4. Keypad Tones (ON/OFF)
5. Roger Beep (ON/OFF)
6. Auto Power Off (30/60/90 minutes or OFF)

Selecting the Channel

The radio has 50 channels that are compatible with all brands of 2-Way radios. The channel is the frequency the radio uses to transmit. (See the **Channels and Frequencies** table located at the back of the manual.) Channels are shared by other radio users and channel selection will vary based on your location. Select a channel that is not being used from the 50 available simplex channels. Channels 8-14 and channels 34-37 are low power (FRS 0.5 watt). All other channels are GMRS.

1. Briefly press and release . The channel number flashes.
2. Press or to select a channel.
3. Press to confirm or to continue set up.

Selecting the Tone/Code

This radio has 121 code settings. When a channel is in use by 2 or more groups, this feature blocks the reception of signals that do not carry the matching tone or code. There are 121 privacy codes. 0 is the off position, no analog or digital codes are enabled and all users of that channel will be heard. Codes 1 – 38 are the standard analog (CTCSS) codes that appear on other FRS/GMRS radios. Codes 39 – 121 are additional digital (DCSS) codes added for superior interference protection. 0 is the off position.

See the **Tone/Code Setting Frequency** table located at the back of the manual for details on tone frequencies and code values.

To set the code for a channel:

1. Press twice 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 Codes rapidly so you can quickly reach the code you want.

Note: You must set the code to 0 on a radio that uses codes to communicate with radios that do not have Codes. Select 0 for “no tone, no code” and OFF will flash on the radio’s display.

Setting and Transmitting Call Tones

The 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, briefly press until appears. The current call tone setting flashes.
2. Press or to change and hear the call tone.
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 as the radio, press .

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

Roger Beep Setting

You can set the 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, briefly press until appears. The current setting On/Off flashes.
2. Press or to turn On or Off.
3. Press to set the talk confirmation tone or to continue set up.

Keypad Tones

You may enable or disable the speaker keytones. You will hear the key tone each time a button is pushed.

1. Press until appears. The current setting On/Off will flash.
2. Press or to turn On or Off.
3. Press to confirm or to continue set up.

Note: When the keytone feature is off, the following are not disabled:

- Transmit timeout alert tone
- Power-down alert tone
- Low battery alert tone
- The transmitted talk confirmation tone

Auto Power Off

The radio will save power by automatically turning itself off if unused after a predetermined amount of time.

1. Activate this setting by briefly pressing until displays. The current setting (0, 30, 60, 90) will flash.
2. Press or to set the time to 30 minutes, 60 minutes or 90 minutes.

3. When you exit the Menu mode, the setting timer will begin if you are not using the radio.
4. The screen will show .
5. Press to confirm or to exit Menu mode.

Special Features

Keypad Lock

To avoid accidentally changing the radio settings, a keypad lock feature may be enabled. When in lock mode, you can only turn the radio OFF, Receive, Transmit, send a call tone, and use the monitor function. All other functions are locked.

1. Press and hold until displays.
2. To unlock the radio, press and hold until the icon is no longer displayed.

Scanning Channels

Use scan to search the 50 channels for transmissions from unknown parties, to find someone in your group who has accidentally changed channels, or to quickly find unused channels for your own use. The “Scan” mode uses the channel and code combinations for each of the 50 channels as you have set them.

To start Scanning:

1. Briefly press the key. The scan will appear in the display, and the radio will begin to scroll through all 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.

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 the transmission. You may press to stop scanning at any time.
2. If the radio stops on an undesired transmission, you may immediately resume the scan by briefly pressing .
3. If the radio repeatedly stops on an undesired transmission, you may temporarily remove that channel from the scan list by pressing and holding 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.

Use With Accessories

You can transmit more reliably with the use of optional PTT headset accessories. A PTT headset allows privacy to others around you while listening.

1. Turn the radio off and plug the PTT accessory into the accessory jack.
2. Turn the radio on. Press the PTT on the accessory microphone instead of the radio.
3. Adjust the volume appropriately by pressing . Lower the volume before placing the accessory on your head or in your ear.

Note:The R100 Series does not have VOX capabilities, and is only compatible with PTT headset accessories.

Weather Receiver

This radio can tune in to broadcasts by the United States National Oceanic and Atmospheric Administration (NOAA) Weather Radio.

You can listen to a weather channel (see “Weather Channels and Frequencies” table for details) or set the radio to alert you to emergency weather broadcasts that interrupt routine broadcasts. When you listen to a weather channel, you cannot use the radio in scan mode or for two-way communications. NOAA has transmitters located throughout the United States. 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 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.

Turning Weather Channel Reception On and Off

1. To turn weather reception on, press and hold **WX** for 3 seconds.
2. To turn off, press **WX** or turn the radio off and then back on.

Scanning for Weather Channel

The radio can scan for an active NOAA transmission automatically.

1. After turning “Weather Reception” on, briefly press the key.
2. The scan icon will appear in the display, and the channel will scroll through the NOAA channels 1-7.
3. When the radio detects channel activity, it stops scanning and you can hear the transmission.
4. You may resume the scan by briefly pressing or .
5. To stop scanning, briefly press . The scan icon will disappear.

Setting the Weather Channel Manually

If you know which frequency is correct for your location, refer to the **Weather Channels and Frequencies** table located at the back of the manual to manually set the radio to the appropriate weather channel.

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

The 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 or OFF flashes.
2. Press or to select ON to activate. If you activate the Weather Alert and return to two-way mode, **WX** will display.
3. Press to save the Weather Alert setting.
4. Press and hold for 3 seconds to return to two-way mode.

Package Includes

2 Olympia R100 2-Way radios, an owner’s manual as well as the following accessories:

- 1 Y Cable micro-USB Charging Adaptor
- 2 NiMH (Rechargeable) Battery Packs
- 2 Belt Clips
- 1 Owner’s Manual

Warranty

Consumer 2-Way Radio Products and Accessories purchased in the United States.

What Does this Warranty Cover?

Subject to the exclusions contained to the right, Giant International Ltd. warrants the Olympia branded consumer 2-Way radios that operate via Family Radio Service or General Mobile Radio Service that it manufactures (“Products”), the Olympia branded or certified accessories sold for use with these products that it manufactures 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 Olympia branded Products and accessories manufactured by Giant International Ltd., and purchased by consumers in the United States, which are accompanied by this written warranty:

Products and Accessories as defined above, unless otherwise provided for below:

2-Way Radios: Length of Coverage: Three (3) years from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.

Accessories as defined above: Ninety (90) days from the date of purchase by the first consumer purchaser of the product.

Products and Accessories that are repaired or replaced: 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) exposure to extreme heat and cold; (c) exposure beyond the IP ratings to liquid, water, rain, sand, dirt, dust, food, or the like, when the battery door or accessory port seals are not closed; (d) use of the Products or Accessories for business purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (e) other acts which are not the fault of Giant International Ltd., are excluded from coverage.

Use of Non-Olympia branded Products and Accessories. Defects or damage that result from the use of Non-Olympia branded or certified Products, Accessories, 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 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-Olympia branded housings, or parts, are excluded from coverage.

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, information or to obtain a Return Authorization (RMA) #, please call:

USA Two-Way Radios

1-866-537-0384

support@giantintl.com

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) RMA #
- (d) 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 OR IMPLIED. IN NO EVENT SHALL GIANT INTERNATIONAL LTD. BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR ACCESSORY, 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 OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow 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.

General Mobile Radio Service (GMRS) Channels Along the Canadian Border, GMRS applicants must certify that they will comply with the requirement that use of frequencies 462.650, 467.6500, 462.7000and 467.7000 MHz is not permitted near the Canadian border North of Line A and East of Line C. These frequencies are used throughout Canada and harmful interference is anticipated.⌋

Channels and Frequencies

CH #	FREQ (MHz)	CODE	TYPE	CH #	FREQ (MHz)	CODE	TYPE
1	462.5625	ANY	GMRS	26	462.7125	29	GMRS
2	462.5875	ANY	GMRS	27	462.5500	26	GMRS
3	462.6125	ANY	GMRS	28	462.6000	23	GMRS
4	462.6375	ANY	GMRS	29	462.6500	20	GMRS
5	462.6625	ANY	GMRS	30	462.7000	17	GMRS
6	462.6875	ANY	GMRS	31	462.5875	39	GMRS
7	462.7125	ANY	GMRS	32	462.6375	42	GMRS
8	467.5625	ANY	FRS	33	462.6875	45	GMRS
9	467.5875	ANY	FRS	34	467.5625	48	FRS
10	467.6125	ANY	FRS	35	467.6125	51	FRS
11	467.6375	ANY	FRS	36	467.6625	54	FRS
12	467.6625	ANY	FRS	37	467.7125	57	FRS
13	467.6875	ANY	FRS	38	462.5750	60	GMRS
14	467.7125	ANY	FRS	39	462.6250	63	GMRS
15	462.5500	ANY	GMRS	40	462.6750	66	GMRS
16	462.5750	ANY	GMRS	41	462.7250	69	GMRS
17	462.6000	ANY	GMRS	42	462.5625	14	GMRS
18	462.6250	ANY	GMRS	43	462.6125	11	GMRS
19	462.6500	ANY	GMRS	44	462.6625	8	GMRS
20	462.6750	ANY	GMRS	45	462.7125	5	GMRS
21	462.7000	ANY	GMRS	46	462.5500	2	GMRS
22	462.7250	ANY	GMRS	47	462.6000	37	GMRS
23	462.5625	38	GMRS	48	462.6500	34	GMRS
24	462.6125	35	GMRS	49	462.7000	31	GMRS
25	462.6625	32	GMRS	50	462.5875	40	GMRS

Tone/Code Setting Frequency (Hz)

CODE	CTCSS (Hz)	CODE	CDCCS (Octal)	CODE	CDCCS (Octal)
1	67.0	39	023	81	315
2	71.9	40	025	82	331
3	74.4	41	026	83	343
4	77.0	42	031	84	346
5	79.7	43	032	85	351
6	82.5	44	043	86	364
7	85.4	45	047	87	365
8	88.5	46	051	88	371
9	91.5	47	054	89	411
10	94.8	48	065	90	412
11	97.4	49	071	91	413
12	100.0	50	072	92	423
13	103.5	51	073	93	431
14	107.2	52	074	94	432
15	110.9	53	114	95	445
16	114.8	54	115	96	464
17	118.8	55	116	97	465
18	123.0	56	125	98	466
19	127.3	57	131	99	503
20	131.8	58	132	100	506
21	136.5	59	134	101	516
22	141.3	60	143	102	532
23	146.2	61	152	103	546
24	151.4	62	155	104	565
25	156.7	63	156	105	606
26	162.2	64	162	106	612
27	167.9	65	165	107	624
28	173.8	66	172	108	627
29	179.9	67	174	109	631
30	186.2	68	205	110	632
31	192.8	69	223	111	654
32	203.5	70	226	112	662
33	210.7	71	243	113	664
34	218.1	72	244	114	703
35	225.7	73	245	115	712
36	233.6	74	251	116	723
37	241.8	75	261	117	731
38	250.3	76	263	118	732
		77	265	119	734
		78	271	120	743
		79	306	121	754
		80	311		

Weather Channels and Frequencies

CHANNEL	RX (MHz)	CHANNEL	RX (MHz)	CHANNEL	RX (MHz)
WX1	162.550	WX5	162.450	WX9	161.775
WX2	162.400	WX6	162.500	WX10	161.750
WX3	162.475	WX7	162.525	WX11	162.000
WX4	162.425	WX8	161.650		

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OLYMPIA R100 series