



**Note:** There is a short delay between the time you start talking and when the radio transmits. There is a short delay before the transmission is completed.

**Setting the Sensitivity Level When in VOX or iVOX Mode**

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

- Press ⏻ until VOX/iVOX and the level setting (1-3) appear on the display.
- Press ⏪ or ⏩ to select the sensitivity level.
- Press ⏹ to set or ⏻ to continue set up.

<b>3 = High Sensitivity</b> for quiet environments
<b>2 = Medium Sensitivity</b> for most environments
<b>1 = Low Sensitivity</b> for noisy environments

**Note:** When you connect a headset, the radio is automatically set to the last chosen sensitivity level.

**Q<sub>7</sub> Noise Filtering**

The Q<sub>7</sub> 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:** Q<sub>7</sub> noise filtering is not available when the radio is scanning.

*To turn Q<sub>7</sub> noise filtering on or off:*

- Press ⏻ until QT displays. The current setting On/Off will flash.
- Press ⏪ or ⏩ to turn noise filtering On or Off.
- Press ⏹ to confirm your selection or ⏻ to continue set up.

*To transmit to a radio that has Q<sub>7</sub> noise filtering turned on:*

- Select the same channel and Interference Eliminator Code as the other radio.
- Press 📞 to send a call tone. This allows your voice to pass through the Q<sub>7</sub> noise filter on the receiving radio.
- 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 Q<sub>7</sub> 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.

- Press ⏻ until 📞 appears. The current setting On/Off will flash.
- Press either ⏪ or ⏩ to turn On or Off.
- 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.

- With the radio on, press ⏻ until the 📞 appears. The current setting On/Off flashes.
- Press ⏪ or ⏩ to turn On or Off.
- Press ⏹ to set or ⏻ to quit menu mode.

## Special Features

**Keypad Lock**

*To avoid accidentally changing your radio settings:*

- Press ⏻ and hold until 🔒 displays.
- When in lock mode, you can turn the radio on and off, adjust the volume, receive, transmit, send a call tone, and monitor channels. All other functions are locked.

To unlock the radio, press and hold ⏻ until 🔒 is no longer displayed.

**Scanning Channels**

Use scan to search the 22 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.

There is a priority feature and 2 modes of scanning (basic and advanced) to make your search more effective. The basic scan mode uses the channel and code combinations for each of the 22 channels as you have set them (or with the default code value of 1). 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 is 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:*

- Briefly press the Ⓜ key. The scan ⏏ will appear in the display, and the radio will begin to scroll through the channel and code combinations.
- When the radio detects channel activity matching the channel and code combination, it stops scrolling and you can hear the transmission.
- To respond and talk to the person transmitting, press ⏹ within five seconds after the end of the transmission.
- The radio will resume scrolling through the channels five seconds after the end of any received activity.
- To stop scanning, briefly press the Ⓜ key.

*To start Advanced Scanning:*

- Set the Interference Eliminator Code to “zero” or OFF.
- 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.
- 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.
- 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.
- The radio will resume scrolling through the channels five seconds after the end of any received activity.
- To stop scanning, briefly press the Ⓜ key.

**Scanning Notes:**

- 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.
- If the radio stops on an undesired transmission, you may immediately resume the scan by briefly pressing ⏪ or ⏩.
- 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.
- 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 Ⓜ.
- You cannot remove the home channel from the scan list.
- 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**

- To turn weather reception on, press ⏻ and hold for three seconds.

- To turn off, press ⏻ or turn the radio off and then back on.

**Setting the Weather Channel**

Your radio receives weather frequencies:

- After turning weather reception on, press Ⓜ. The current channel flashes.
- Press ⏪ or ⏩ to select the appropriate channel with good reception in your area.
- 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.

- After turning weather reception on, press Ⓜ twice. On/Off displays.
- Press ⏪ or ⏩ to select On/Off. If you activate Weather Alert and return to two-way mode, 📞 will display.
- Press ⏹ to save the weather alert setting.
- Press ⏪ to return to two-way mode.

As with two-way radio reception, weather channel reception depends on how close you are to a transmitter and whether you are indoors or outdoors. Because weather channels are transmitted without codes, they may contain static or noise. Weather Alert will not function while actively transmitting or receiving in two-way mode.

**Weather Channels and Frequencies**

Weather Channel	Frequency	Weather Channel	Frequency
WX1	162.550 MHz	WX7	162.525 MHz
WX2	162.400 MHz	WX8	161.650 MHz
WX3	162.475 MHz	WX9	161.775 MHz
WX4	162.425 MHz	WX10	161.750 MHz
WX5	162.450 MHz	WX11	162.000 MHz
WX6	162.500 MHz		

## Channels and Frequencies

Channel	Frequency	Description	Channel	Frequency	Description
1	462.5625 MHz	GMRS/FRS	12	467.6625 MHz	FRS
2	462.5875 MHz	GMRS/FRS	13	467.6875 MHz	FRS
3	462.6125 MHz	GMRS/FRS	14	467.7125 MHz	FRS
4	462.6375 MHz	GMRS/FRS	15	462.5500 MHz	GMRS
5	462.6625 MHz	GMRS/FRS	16	462.5750 MHz	GMRS
6	462.6875 MHz	GMRS/FRS	17	462.6000 MHz	GMRS
7	462.7125 MHz	GMRS/FRS	18	462.6250 MHz	GMRS
8	467.5625 MHz	FRS	19	462.6500 MHz	GMRS
9	467.5875 MHz	FRS	20	462.6750 MHz	GMRS
10	467.6125 MHz	FRS	21	462.7000 MHz	GMRS
11	467.6375 MHz	FRS	22	462.7250 MHz	GMRS

## 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	Length of Coverage	Exclusions
<b>Products and Accessories</b> as defined above, unless otherwise provided for below.	<b>One (1) year</b> from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.	<b>Normal Wear and Tear.</b> Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage. <p><b>Batteries.</b> Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.</p> <p><b>Abuse &amp; Misuse.</b> 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.</p> <p><b>Use of Non-Motorola branded Products and Accessories.</b> Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, or other peripheral equipment are excluded from coverage.</p> <p><b>Unauthorized Service or Modification.</b> 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.</p> <p><b>Altered Products.</b> 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.</p> <p><b>Communication Services.</b> 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.</p>
<b>1. Consumer Two-Way Radio Accessories.</b>	<b>1. Ninety (90) days</b> from the date of purchase by the first consumer purchaser of the product.	
<b>2. Products and Accessories that are Repaired or Replaced.</b>	<b>2. The balance of the original warranty or for ninety (90) days</b> from the date returned to the consumer, whichever is longer.	

**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	Canada Two-Way Radios
<b>1-800-638-5119</b> <b>giantintl@callcenter.com</b>	<b>1-800-638-5119</b> <b>giantintl@callcenter.com</b>

**For Accessories**, 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 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.

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