

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 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*:

- 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.

Faceplate Removal *(relevant only for models that this applies to)* The faceplates snap on. They are not screwed on.

To remove the faceplate, lift at the indentation located at the center of the bottom section of the faceplate. Do not use screwdriver.

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

Weather Receiver

Your radio can tune in to broadcasts by the United States National Oceanic and Atmospheric Administration (NOAA) National Weather Radio (NWR) and Environment Canada Weatheradio.

You can listen to a weather channel (see “Weather Channels and Frequencies”) 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.

Your radio Weather Alert uses Specific Area Message Encoding (SAME) data transmitted by the National Weather Service (NWS) and Environment Canada (EC). SAME data codes and displays digital location specifications of timely warnings and alerts on hazards and weather related events and information.

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.

NWR/EC Broadcast Service Area coverage can be found at www.nws.noaa.gov/nwr/ustrames.html in the USA or www.msc.ec.gc.ca/msb/weatheradio/transmitter/index_e.cfm in Canada. Listeners who need to program NWR SAME receivers with the proper county and/or marine area of their choice (“CLC” in Canada) can obtain the information by telephone at 1-888-NWRSAME (1-888-697-7263) in the USA or 1-416-739-4369 in Canada.

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 and hold 🔍 or turn the radio off and then back on.

Setting the Weather Channel

- 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 or 🔍 to continue set up.

Setting the Weather Alert

Your radio can be set to respond to NOAA Weather Radio emergency messages when in two-way standby. On reception of an alert signal the receiver automatically switches to weather reception and a special alarm tone sounds. An audio broadcast of weather or emergency information will follow. If the SAME Location Code is set to the value for your area, the display screen will indicate the 3 letter SAME Event Code and can display the date, time of alert, and duration of the alert period. Up to 5 active SAME Event Codes are stored.

- 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 channel setting or 🔍 to continue set up.

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. Weather channels may contain static or noise.

Enabling Weather Alert

To enable the Weather Alert mode, return to 2-way mode after programming. Press and hold 🔍 for three seconds. The radio is now able to function in two-way weather alert mode. When not transmitting or receiving a two-way signal, the radio will monitor the selected weather channel for alerts for the user’s location code.

Weather Alert will not function while actively transmitting or receiving in two-way mode. To avoid missing a Weather Alert message, the 2-way channel should be changed to a relatively quiet channel and use an Interference Eliminator Code other than the default Channel 1 Code 1 setting.

Setting the SAME Location Code

The NWS/EC has assigned a 6 digit value for each area, typically by State and County. The radio uses only the second through sixth digits of the location code and will respond to any event regardless of the first digit. The second and third digits are the 2-digit state/equivalent territory identifier SS; the last three digits are the county or equivalent area identifier CCC. Omit the leading digit (usually zero) and use only the last 5 digits when programming the receiver.

- After turning weather reception on, press 🔍 three times. 00 and 000 display. The flashing digit will be selected to match the location code desired.
- Press + or − to select the appropriate value, then 🔍 to advance to the next digit. Continue until all 5 digits SS and CCC are programmed. The first digit (usually 0) in the SAME Location Code is not used by the radio.
- Press 🔊 or 🔍 to save the SAME location code setting and exit weather set up.

Viewing SAME Event Codes

When your receiver has decoded an alert, a three letter code representing the alert type is displayed at the bottom of the screen. See the SAME Event Codes table for codes and meanings.

The SAME Location Code must be a non-zero value (default setting) to view Event Codes. If no Location Code is entered, the receiver will alert for all events, regardless of location or type, and the Weather Receiver will not mute at the end of the emergency voice announcement.

Weather Receiver (continued)

Press and hold 🔍 for 3 seconds to exit weather reception mode at any time.

If the SAME Location Code has been set, the display backlight will flash for the duration of the voice announcement. At the end of the announcement, the radio returns to the FRS/GMRS channel and resumes monitoring the weather channel for additional alerts.

Up to 5 active event codes are stored. The SAME display icon will flash as a reminder when an event code has not been reviewed. Press 🔍 once to review these events. The + and − will scroll through the event codes (if active) and will be labeled 1-5 in order of reception.

Press 🔍 repeatedly on any event to display the Julian Date (1-366,) GMT time of alert (HH and MM,) and time of effectivity (HH and MM) for each event code. The Julian Date and GMT are displayed as broadcast by NOAA/EC, and would be converted to the local date and time according to the user’s location and time zone.

When viewing the event code, 2-way PTT will function normally. You can display the event code and easily relay the information to other 2-way users.

SAME Event Codes

NWR-SAME / EAS Weather Related Events

Blizzard Warning.....	BZW
Coastal Flood Watch.....	CFA
Coastal Flood Warning.....	CFW
Dust Storm Warning.....	DSW
Flash Flood Watch.....	FFA
Flash Flood Warning.....	FFW
Flash Flood Statement.....	FFS
Flood Watch.....	FLA
Flood Warning.....	FLW
Flood Statement.....	FLS
High Wind Watch.....	HWA
High Wind Warning.....	HWW
Hurricane Watch.....	HUA
Hurricane Warning.....	HUW
Hurricane Statement.....	HLS
Severe Thunderstorm Watch.....	SVA
Severe Thunderstorm Warning.....	SVR
Severe Weather Statement.....	SVS
Special Marine Warning.....	SMW
Special Weather Statement.....	SPS
Tornado Watch.....	TOA
Tornado Warning.....	TOR
Tropical Storm Watch.....	TRA
Tropical Storm Warning.....	TRW
Tsunami Watch.....	TSA
Tsunami Warning.....	TSW
Winter Storm Watch.....	WSA
Winter Storm Warning.....	WSW

NWR SAME / EAS Non-Weather Related Events

Emergency Action Notification.....	EAN
Emergency Action Termination.....	EAT
National Information Center.....	NIC
National Periodic Test.....	NPT
Required Monthly Test.....	RMT
Required Weekly Test.....	RWT

NWR SAME / EAS State and Local Events

Administrative Message.....	ADR
Avalanche Watch.....	AVA
Avalanche Warning.....	AVW
Child Abduction Emergency.....	CAE
Civil Danger Warning.....	CDW
Civil Emergency Message.....	CEM
Earthquake Warning.....	EQW
Evacuation Immediate.....	EVI
Fire Warning.....	FRW
Hazardous Materials Warning.....	HMW
Law Enforcement Warning.....	LEW
Local Area Emergency.....	LAE
911 Telephone Outage Emergency.....	TOE
Nuclear Power Plant Warning.....	NUW
Radiological Hazard Warning.....	RHW
Shelter In Place Warning.....	SPW
Volcano Warning.....	VOW

Administrative Events

Network Message Notification.....	NMN
Practice/Demo Warning.....	DMO

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		
		WX1-7	NOAA/EC (SAME)
		WX8-11	MARINE/CANADA/FR

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
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.	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.
1. <u>Decorative Accessories and Cases.</u> Decorative covers and cases.	1. Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.	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.
2. <u>Monaural Headsets.</u> Ear buds and boom headsets that transmit mono sound through a wired connection.	2. Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.	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.
3. <u>Consumer Two-Way Radio Accessories.</u>	3. Ninety (90) days from the date of purchase by the first consumer purchaser of the product.	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.
4. <u>Products and Accessories that are Repaired or Replaced.</u>	4. The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.	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.

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
1-800-638-5119	1-800-638-5119
giantintl@callcenter.com	giantintl@callcenter.com

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.

Patent and Copyright Information

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