



- Press ⏻ until iVOX appears on the display. The current setting On/Off will flash.
- Press ⏻ or ⏮ to select On or Off.
- Press ⏮ to set or ⏻ to continue set up.

**Hands-Free Use With Accessories (VOX)**

You can transmit hands-free more reliably with the use of optional headset accessories. Once VOX is turned on, the radio detects your voice and transmits when you speak.

Many accessories (sold separately) are available for your radio. For more information, visit our website at [www.motorolasolutions.com/talkabout](http://www.motorolasolutions.com/talkabout).

- Turn the radio off and plug the VOX accessory into the accessory port.
- Turn the radio on. VOX shows on the display.
- Adjust the volume appropriately by rotating ⏮. Lower the volume before placing the accessory on your head or in your ear.
- To turn off, simply remove accessory.

**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.

|  |
|--|
| 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.

**Q: Noise Filtering**

The Q: 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: noise filtering is not available when the radio is scanning.

*To turn Q: noise filtering on or off:*

- Press ⏻ until 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: 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: 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: 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

**Emergency Alert Mode**

The Emergency Alert function can be used to signal others in your group of your need for immediate help. All radios in your group using the same channel and interference eliminator code can receive the message.

MJ273R 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. MJ273R 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 MJ273R in your group will be locked into a receiving mode to help ensure the receipt of your emergency message.

- Press and hold the Emergency Alert button for 3 seconds.
- An alert signal will be transmitted for 8 seconds to alert other receivers.
- 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.
- After 30 seconds your radio will return to normal two-way mode.

MJ273R 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.

**Note:** MJ273R radio can receive the emergency alert signal but will not respond with adjusted volume steerings, controlled transmission mode or unique alert tone. Users of other radio will hear a steady 8 second tone and the 22 second voice transmissio.

**Warning:** The Emergency Alert feature should only be used in the event of an actual emergency. Motorola is not responsible if there is no response to the emergency alert from the receiving group.

**Built-in Flashlight**

Press the flashlight button to turn the light on. The switch functions as a momentary control for the light.

**Note:** Turn off the flashlight when not in use to conserve battery power.

**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 8 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 8 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 7 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.

## Warranty

**Warranty**

**Consumer Two-Way Radio Products and Accessories purchased in Singapore.**

**Warranty**

**What Does this Warranty Cover?**

This Limited Warranty is a consumer’s exclusive remedy, and applies as follows to new Motorola branded products, accessories and software manufactured, distributed and sold by Giant Telecom Ltd. Alcom is the local distributor in Singapore, and warrants Motorola Two-Way Radio Products and Accessories (collectively "Equipment") purchased in Singapore against defects in material and workmanship under normal use and service, for the following periods of time:

**Proof of Purchase:** You are required to provide proof of purchase as a condition of receiving warranty services. You are entitled to a replacement or repair according to the terms and conditions of this Limited Warranty if your product is found to be faulty within the Warranty Period. This Limited Warranty extends to the original purchaser only and is not transferable.

| Products Covered   | Warranty Period  | Exclusions  |
|--|--|---|
| <b>Equipment</b> as defined above, unless otherwise provided for below.  | <b>One (1) year</b> from the date of purchase by the original consumer purchaser of the Equipment unless otherwise provided for below.   | <b>Normal Wear and Tear.</b> Periodic maintenance, and repair and replacement of parts due to normal wear and tear, are not covered by this Limited Warranty. <p><b>Batteries.</b> Motorola supplied batteries will be replaced free of charge within the first six (6) months of the date of purchase of the Equipment if the capacity of the batteries falls below 80% of their rated capacity, or if the batteries develop a leak.</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 Equipment 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 Equipment for commercial purposes or subjecting the Equipment to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola Solutions Inc., or Giant Telecom Ltd., or Alcom Electronics Pte Ltd., are not covered by this Limited Warranty.</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, software or other peripheral equipment are not covered by this Limited Warranty.</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 Solutions, Inc., Giant Telecom Ltd., Alcom Electronics Pte Ltd. or their authorized service centres, are not covered by this Limited Warranty.</p> <p><b>Altered Equipment.</b> Equipment with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or seals that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are not covered by this Limited Warranty.</p> <p><b>Communication Services.</b> Defects, damage, or failure of the Equipment due to any communication service or signal you may subscribe to or use with the Equipment are not covered by this Limited Warranty.</p> <p><b>Equipment Purchased Outside of Singapore.</b> This Limited Warranty does not extend to any Equipment which was purchased outside of Singapore.</p> |
| <ol style="list-style-type: none"><li><b><u>Decorative Accessories and Cases.</u></b> Decorative covers, bezels, PhoneWrap covers and cases.</li> <li><b><u>Consumer Two-Way Radio Accessories.</u></b></li> <li><b><u>Products and Accessories that are Repaired or Replaced.</u></b></li></ol> | <ol style="list-style-type: none"><li>Limited lifetime warranty for the lifetime of ownership by the original consumer purchaser of the decorative accessory or case.</li> <li>Thirty (30) days from the date of purchase by the original consumer purchaser of the twoway rdio accessory.</li> <li>The balance of the original warranty or for thirty (30) days from the date the products or accessories are returned to the consumer, whichever period is longer.</li></ol> |   |

**Who is covered?**

This Limited Warranty applies only to the original consumer purchaser of the Equipment, and is not transferable.

**What will Alcom Electronics do?**

Alcom Electronics, at its option, will at no charge either repair, or replace any defective Equipment during the applicable Warranty Period. Alcom Electronics may use functionally equivalent, reconditioned, refurbished, pre-owned or new Equipment or parts at its discretion. No data, software or applications added to Equipment, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications, customers are advised to create a back up prior to requesting service.

How do we obtain Warranty Service or Other Information?

To obtain warranty service or information, please call:

| Singapore   |
|---|
| <p><b>Alcom Electronics Pte Ltd.</b><br/> <b>Hotline:(65) 6841 2668</b><br/> <b>FAX: (65)6841 2628</b><br/> <b>E-MAIL: support@alcom.com.sg</b></p>   |
| <p>You will receive instructions on how to ship the Equipment, at your expense, to an authorized repair centre. To obtain warranty service, you must provide Alcom Electronics with: (a) a copy of your purchase receipt, bill of sale or other comparable proof of purchase for the Equipment; (b) a written description of the problem; (c) the name and location of the installation facility (if applicable) and (e) your postal address and contact telephone number. Alcom Electronics will be the sole determinant as to whether the Equipment is defective.</p> |

## Channels and Frequencies

| Channel | Frequency(MHz) |
|---------|----------------|
| 1       | 446.00625 MHz  |
| 2       | 446.01875 MHz  |
| 3       | 446.03125 MHz  |
| 4       | 446.04375 MHz  |
| 5       | 446.05625 MHz  |
| 6       | 446.06875 MHz  |
| 7       | 446.08125 MHz  |
| 8       | 446.09375 MHz  |

**CAUTION**

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS. Dispose of batteries according to local regulations. Do not dispose as household waste.

## Patent and Copyright Information

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**What Other Limitations Are There?**

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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 Limited 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.