motorola **Talkabout** 2-Way Radios

MJ270R FRS/
2 channels, 1
odes, 2662 co

M MOTOROLA

All Hazards
NOAA
Weather Radio

up to
27
mile range*
under optimum
conditions

Mini-USB Port
for convenient
charging

PTT   PTT

MENU

Z MON

MOTOROLA

MENU

Z MON

MOTOROLA

Built-in Flashlight
Emergency light source.

Emergency Alert Button
Used to send out distress call.

Dual Power
Works with alkaline or NiMH
rechargeable batteries.

Easy Charge*
Use desktop charger or mini-USB
port for convenient charging.

motorola Talkabout 2-Way Radios

MJ270 Series FRS/GMRS radios
22 channels
codes 266

All Hazards
NOAA
Weather Radio
NOAA's National Weather Service

up to
27
mile range*
under optimum
conditions

Mini-USB Port
for convenient
charging

NOAA Weather Radio**

Receive weather alerts.

Emergency Preparedness

Perfect for the emergency preparation kit.

iVOX / VOX

Hands-free operation with or without accessories.

Quiet Talk

Eliminates interference from non-Motorola units.

Scan

Searches programmed list of channels and codes to find transmissions.

10 Call Tones

Individual tones allow you to alert others that you want to talk to them.

Talk Confirmation Tone

Transmitted tone to let the other person know you are finished talking.
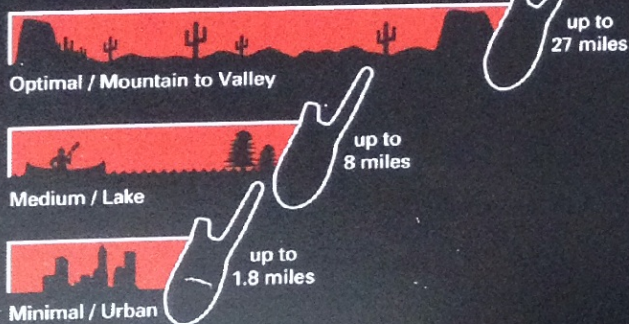
Low Battery Alert

Reminder to replace or charge the batteries.

Keypad Lock

Allows you to avoid accidentally changing the operation of the radio.

*How far can I expect my radios to communicate? The communication range quoted is calculated under optimum conditions, with an unobstructed line of sight. Actual range will vary depending on terrain and conditions, and is often less than the maximum possible. Your actual range will be limited by several factors including, but not limited to, terrain, weather conditions, electromagnetic interference, and obstructions.

Optimal / Mountain to Valley — up to 27 miles

Medium / Lake — up to 8 miles

Minimal / Urban — up to 1.8 miles

FRS/GMRS use approved in US and Canada only. GMRS license required in US.

***NiMH rechargeable battery packs included. Desktop charger included. Mini-USB car, wall and PC charging cables are sold separately.

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Please contact customer service at 800-638-5119 or e-mail us at giantintl@callcenter.com for questions/comments, warranty, support or service related to this product.

**NOAA radio service may not be available in all areas. Check with your local weather office for frequency and details, or visit www.weather.gov/nwr, (Canada: www.msc.ec.gc.ca/msb/weatheradio).

KEM-PK29900-02A

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Motorola uses environmentally conscious designs which restricts the use of certain chemicals and ensures we meet European RoHS requirements. These product designs include the use of lead-free solder.

motorola **Talkabout**® 2-Way Radios

MJ270R FRS/GMRS radios
22 channels, 121 privacy
codes, 2662 combinations

All Hazards
NOAA
Weather Radio
NOAA's National Weather Service

Built-in Flashlight
Emergency light source.

Easy Charge***
Use desktop charger or mini-USB port for convenient charging.

Emergency Alert Button
Used to send out distress call.

Dual Power
Works with alkaline or NiMH rechargeable batteries.

GU5134A

MODEL NUMBER **MJ270R**

MJ270 RECHARGEABLE

Giant International Ltd., Atlanta, GA 30305

UPC #

21-124

MADE
IN
CHINA

8 43677 00007 8

⚠ **WARNING**

CHOKING HAZARD - SMALL PARTS
Not intended for children under 3 yrs.
This product is not intended to be used as a toy or plaything.

KEM-PK29911-02A

MOTOROLA

MOTOROLA

Mini-USB Port
for convenient
charging

Emergency Alert Button
...d out distress call.

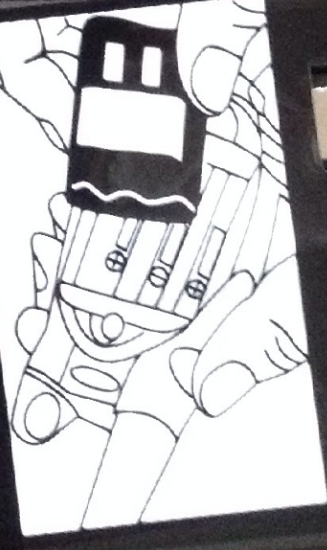Dual Power
Works with alkaline or NiMH
rechargeable batteri...

LIFT HERE

OTHER SIDE UP WHEN IN RADIO
DO NOT REMOVE LABEL.

CAUTION: To Prevent Injury See
Manual. Do not disassemble or incinerate.
ATTENTION: Ne pas ouvrir ni chauffer.
Pour prevenir toute blessure reportez
vous au Manuel. Ne pas détruire.
PRECAUCION: Para prevenir daño no desarme
ni incinere. Para prevenir daños vea el Manual.
ATENÇAO: Para prevenir danos veja o Manual.
Usado. NÃO DESMONTE NI QUEIMAR.

Must be recycled or disposed of
properly. Recycling facilities may
not exist in all areas.

KEBT-071-D 650mAh 1046

3.6V
NICKEL METAL HYDRIDE BATTERY
BATTERIE (AU NICKEL METAL HYDRURE DE 3.6V)
3.6Vcc BATERIA DE HIDRURO DE METAL-NIQUEL
MADE IN CHINA

8 43677 00

Turn off radios before charging

843677

KEBT-071-D 650mAh 1046

Must be recycled or disposed of properly. Recycling facilities may not exist in all areas.

Ni-MH

OTHER SIDE UP WHEN IN RADIO.
DO NOT REMOVE LABEL

STOP

CAUTION: To Prevent Injury. See Manual. Do not disassemble or unwrap.
ATTENTION: Pour prévenir toute blessure, reportez-vous au Manuel. Ne pas défaire ni déballer.
PRECAUCION: Para prevenir daño vea el Manual. No desensamble o desenvuelva.
ATENÇÃO: Para prevenir danos veja o Manual do Usuário. Não desmontar ou desembalar.

Works with alkaline or NiMH rechargeable batteri

Dual Power

3.6V NICKEL-METAL HYDRIDE BATTERY
BATTERIE AU NICKEL METAL HYDRURE DE 3.6V
BATTERIE AU NICKEL METAL HYDRURE DE METAL-NIQUEL
3.6Vcc BATERIA DE HIDRURO DE METAL HIDRETO
3.6V BATERIA DE NIQUEL METAL HIDRETO
MADE IN CHINA

LIFT HERE ↑

Volume

Emergency Alert

Push to Talk

LED Indicator

Flashlight Button

Accessory Jack

Microphone

Menu/Lock

Call Tone

Scan/Monitor

− +

Scroll/Weather

MOTOROLA

Flashlight LED

Mini-USB Charging Port

Display Screen Guide

Numbers for Channel, Call Tone

Numbers for Codes

QT ON
OFF 1 8 8 iVOX

Battery Meter	**Z** — Scan
Channel Power Indicator (see Menu Options)	**♪** — Call Tone, Keypad Tone
Lock	**Weather Alert**
•)) — Talk Confirmation Tone (Roger Beep)	**iVOX** — Hands-Free Use Without Accessories
QT — Noise Filtering	**VOX** — Hands-Free Use With Accessories
ON OFF — On/Off for each feature	

Getting Started

Installing the Batteries
Each radio can use either 1 NiMH rechargeable battery pack or 3 AA alkaline batteries and beeps when the batteries are low.

Installing NiMH Rechargeable Battery Pack (Optional Accessory)
1. Turn the radio off.

Installing the Batteries

Each radio can use either 1 NiMH rechargeable battery pack or 3 AA alkaline batteries and beeps when the batteries are low.
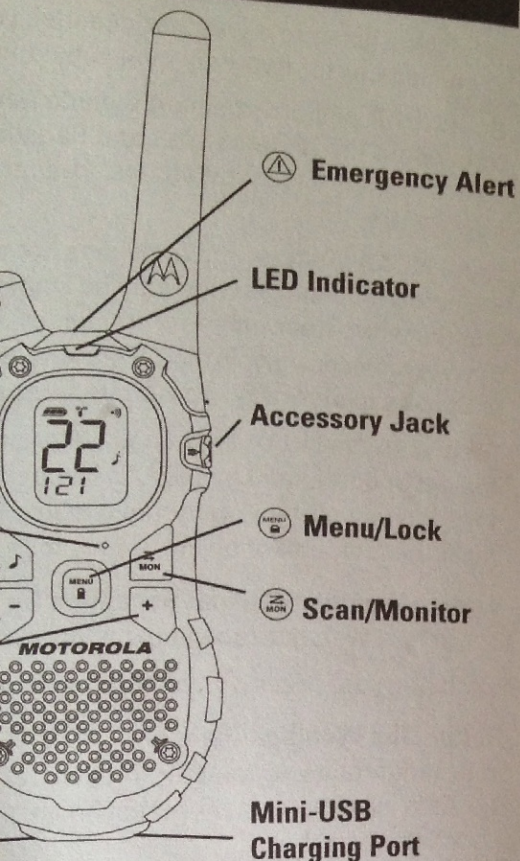
Installing NiMH Rechargeable Battery Pack (Optional Accessory)

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Remove the NiMH battery pack from the clear plastic bag (Do not disassemble or unwrap the battery pack).
4. Insert the NiMH battery pack with the diagram facing you.
5. Reposition the battery cover and press down to secure.

Installing the Three AA Alkaline Batteries

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Insert the three AA alkaline batteries with + and - polarity as shown inside.
4. Reposition the battery cover and press down to secure.

Radio Battery Meter

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

Removing the NiMH Battery Pack (Optional Accessory)

1. Turn the radio off.
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 by pulling the ribbon attached to the radio.
4. Reposition the battery cover and press down to secure.

Removing the Three AA Batteries

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.

⚠ **Emergency Alert**

Ⓜ **LED Indicator**

Accessory Jack

🔒 **Menu/Lock**

Scan/Monitor

MOTOROLA

Mini-USB Charging Port

nel,

⤳ − **Scan**

♪ − **Call Tone, Keypad Tone**

Menu

☁ − **Weather Alert**

iVOX − **Hands-Free Use Without Accessories**

tion

eep)

VOX − **Hands-Free Use With Accessories**

ch

3. Gently remove each alkaline battery by easing each battery out individually.

4. Reposition the battery cover and press down to secure.

Notes

- 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 your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.

Using the Battery Charger (Optional Accessory)

The battery charger provides drop-in charging convenience for NiMH batteries and can be placed on any flat surface, such as a desk or workbench. Charge the NiMH battery overnight (at least 16 hours) before using it for the first time. After the initial charge, an empty battery is fully charged within 14 hours.

1. Follow the steps above to install a NiMH Battery Pack.

2. Plug the AC power supply cord into the jack on the desk stand.

3. Plug the AC power supply into a standard wall outlet.

4. With a radio facing forward, slide it into one of the charging pockets.

5. When charging in the battery charger, the red light on the charger base will glow continuously.

Using the mini-USB Charging Connector

The mini-USB charging connector is a handy port that allows you to conveniently charge your NiMH battery pack. This is an alternative to charging your NiMH battery pack in the Battery Charger desk stand using the AC wall adaptor and especially useful when used while traveling.

Available mini-USB charging options: (optional accessories)

1. Wall travel charger

2. Vehicle charger

3. Mini-USB computer cable

If using a computer, the computer must be turned on.

This and other accessories (sold separately) are available for your radio. For more information, visit our Web site at www.motorola.com or shop.giantintl.com.

1. Plug your mini-USB cable or charger into a power source as is appropriate for your accessory.

2. Plug the cable into the mini-USB port on the bottom of your radio.

3. An empty battery will be fully charged in 14 hours.

4. The LED indicator light on the radio will glow to indicate that the battery is charging.

Notes

- The light will remain red after the NiMH battery pack is fully charged.

- 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

- ▰▰▰▱ — Battery Meter
- ((ᵗ)) — Channel Power Indicator (see Menu Options)
- 🔒 — Lock
- •))) — Talk Confirmation Tone (Roger Beep)
- QT — Noise Filtering
- ON OFF — On/Off for each feature
- ⚡ — Scan
- ♪ — Call Tone, Keypad Tone
- ☁ — Weather Alert
- iVOX — Hands-Free Use Without Accessories
- VOX — Hands-Free Use With Accessories

Getting Started

Installing the Batteries

Each radio can use either 1 NiMH rechargeable battery pack or 3 AA alkaline batteries and beeps when the batteries are low.

Installing NiMH Rechargeable Battery Pack (Optional Accessory)

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. *Remove the NiMH battery pack from the clear plastic bag (Do not disassemble or unwrap the battery pack).*
4. Insert the NiMH battery pack with the diagram facing you.
5. Reposition the battery cover and press down to secure.

Installing the Three AA Alkaline Batteries

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Insert the three AA alkaline batteries with + and - polarity as shown inside.
4. Reposition the battery cover and press down to secure.

Radio Battery Meter

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

Removing the NiMH Battery Pack (Optional Accessory)

1. Turn the radio off.
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 by pulling the ribbon attached to the radio.
4. Reposition the battery cover and press down to secure.

Removing the Three AA Batteries

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.

This and other accessories (sold separately) are available for your radio. For more information, visit our Web site at www.motorola.com or shop.giantintl.com.

1. Plug your mini-USB cable or charger into a power source as is appropriate for your accessory.
2. Plug the cable into the mini-USB port on the bottom of your radio.
3. An empty battery will be fully charged in 14 hours.
4. The LED indicator light on the radio will glow to indicate that the battery is charging.

Notes

- The light will remain red after the NiMH battery pack is fully charged.
- 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.

Attaching and Removing the Belt Clip

1. Attach belt clip to pocket or belt strap.
2. Align the belt clip post with the hole in the back of the radio.
3. 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 catch.
2. Pull the belt clip away from the back of the radio.

Turning your Radio On and Off

Turn 🔊 clockwise to turn the radio on and counterclockwise to turn the radio off.

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

Setting the Volume

Press and hold (⚡) for three seconds while rotating 🔊 until you reach a comfortable listening level.

1. Rotate 🔊 clockwise to increase the volume.
2. Rotate 🔊 counterclockwise to decrease the volume.

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

Talking and Listening

To communicate, all radios in your group must be set to the same channel and Interference Eliminator Code.

1. To talk, press and hold (PTT).

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.

Talk Range
Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than five feet apart.

Monitor Button
Pressing and holding ⓂⓄⓃ for three seconds allows you to listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume, if necessary. You can also press ⓂⓄⓃ to check for activity on the current channel before you talk.

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.

Menu Options

Selecting the Channel
Your radio has 22 channels. The channel is the frequency your radio uses to transmit. Channels 8-14 are FRS 0.5 watt only and all other channels are GMRS. (See the "Channels and Frequencies" table on overleaf for details.)

1. With the radio on, press Ⓜ . When the radio is on a 0.5 watt channel, displays. When the radio is on a 1.5 watts channel, displays. The current channel flashes.

2. Press ⊕ or ⊖ and select an unused or quiet channel.

3. Press Ⓟ to save the channel setting or Ⓜ to continue set up.

Selecting the Interference Eliminator Code
Interference Eliminator Codes help minimize interference by blocking transmissions from unknown sources. Your radio has 121 Interference Eliminator Codes. Codes 1 – 38 are the standard analog codes that appear on other FRS/GMRS radios. Codes 39 – 121 are additional digital codes added for superior interference protection. 0 is the off position, no analog or digital codes are enabled.

To set the code for a channel:

1. Press Ⓜ 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 Code rapidly so you can quickly reach the code you want

Note: You must set the Interference Eliminator Code to 0 on a radio that uses Interference Eliminator Codes to communicate with radio that do not have Interference Eliminator Codes. Select 0 for "no tone, no code" and OFF will flash on your radio's display.

Setting and Transmitting Call Tones
Your 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.

1. Press ⊜ 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. A extended press of ⊕ or ⊖ allows you to scroll through the Interference Code rapidly so you can quickly reach the code you war

Note: You must set the Interference Eliminator Code to 0 on a radio that uses Interference Eliminator Codes to communicate with radio that do not have Interference Eliminator Codes. Select 0 for "no tone, no code" and OFF will flash on your radio's display.

Setting and Transmitting Call Tones

Your 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, press ⊜ three times until the current call tone setting (0 - 10) flashes and ♩ appears.

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 and Interference Eliminator Code as your radio, press ♩ .

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

Hands-Free Use Without Accessories (iVOX)

You can use the iVOX feature to transmit hands-free without the need for any headset accessories. Once iVOX is turned on, the radio detect your voice and transmits when you speak into the internal microphon

1. Press ⊜ until iVOX appears on the display. The current setting On/Off will flash.

2. Press ⊕ or ⊖ to select On or Off.

3. 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 you voice and transmits when you speak.

Many accessories (sold separately) are available for your radio. Fo ore information, visit our Web site at www.motorola.com or hop.giantintl.com.

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 ea

MJ Seri

4. To turn off, simply remove ~~acce~~

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.

1. Press 🔘 until VOX/iVOX and the level setting (1-3) appear on the display.
2. Press ⊕ or ⊖ to select the sensitivity level.
3. Press (PTT) 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_T Noise Filtering
The Q_T 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_T noise filtering is not available when the radio is scanning.

To turn Q_T noise filtering on or off:
1. Press 🔘 until QT displays. The current setting On/Off will flash.
2. Press ⊕ or ⊖ to turn noise filtering On or Off.
3. Press (PTT) to confirm your selection or 🔘 to continue set up.

To transmit to a radio that has Q_T noise filtering turned on:
1. Select the same channel and Interference Eliminator Code as the other radio.
2. Press 🎵 to send a call tone. This allows your voice to pass through the Q_T noise filter on the receiving radio.
3. Press (PTT) 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_T 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.

1. Press 🔘 until 🎵 appears. The current setting On/Off will flash.
2. Press either ⊕ or ⊖ to turn On or Off.
3. Press (PTT) 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.

1. With the radio on, press 🔘 until the •)) appears. The current setting On/Off flashes.
2. Press ⊕ or ⊖ to turn On or Off.
3. Press (PTT) to set or 🔘 to quit menu mode.

Special Features

Eliminator ~~~~
voice transmission for 22 ~~~~

Warning: The Emergency Alert feature should only ~~~~ 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 and hold the flashlight button to turn and keep 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:
1. Press 🔘 and hold until 🔒 displays.
2. 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:
1. Briefly press the 🔘 key. The scan ⇄ will appear in the display, and the radio will begin to scroll through the 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 (PTT) 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.

To start Advanced Scanning:
1. Set the Interference Eliminator Code to "zero" or OFF.
2. 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.
3. 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.
4. To respond and talk to the person transmitting, press (PTT) within five seconds of the end of the transmission. The radio will transmit using the newly detected Interference Eliminator Code.
5. The radio will resume scrolling through the channels five seconds after the end of any received activity.
6. To stop scanning, briefly press the 🔘 key.

Scanning Notes:

2. Press 🎵 to send a call tone. This allows your voice to pass through the Q_T noise filter on the receiving radio.

3. Press (PTT) 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_T 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.

1. Press 🔘 until 🎵 appears. The current setting On/Off will flash.

2. Press either ⊕ or ⊖ to turn On or Off.

3. Press (PTT) 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.

1. With the radio on, press 🔘 until the •))) appears. The current setting On/Off flashes.

2. Press ⊕ or ⊖ to turn On or Off.

3. Press (PTT) to set or 🔘 to quit menu mode.

Special Features

Emergency Alert Mode

The Emergency Alert feature can be used to signal members in your group of your need for urgent help. MJ series radios will operate in an automatic "hands-free" emergency control mode for a total of 30 seconds after activating the Emergency Alert. MJ series radios in your group will automatically advance the speaker volume to the maximum setting and sound a warbling alert tone for 8 seconds. The alert tone is emitted from your own radio speaker and the receiving radios in your group. After the 8 second alert, any spoken words or incidental sounds at your end will be transmitted to the group for 22 seconds. For the 30 second duration of Emergency Alert mode, MJ series radio controls and buttons will be locked to maximize reception of the emergency message.

1. Press and hold the Emergency Alert button for 3 seconds.

2. Release the button after the LED Indicator glows red and the alert tone begins to sound. There is no need to continue to hold the Emergency Alert button or use PTT for your message to be transmitted.

3. After the alert tone ends you may speak into the microphone. Your voice or incidental sounds will be transmitted. The LED indicator will continue to glow for the duration of the 22 second period.

4. After 30 seconds your radio speaker will emit a Talk Confimation Tone and the LED Indicator will extinguish. Operation then returns to normal two-way mode.

Note: All Motorola Talkabout EM, MJ, and MR series radios are fully compatible with the Emergency Alert feature. Radios other than EM, MJ, MR series can receive the emergency alert signal, but will not respond

To start Scanning:

1. Briefly press the 🔘 key. The scan ⇄ will display, and the radio will begin to scroll through the 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 (PTT) 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.

To start Advanced Scanning:

1. Set the Interference Eliminator Code to "zero" or OFF.

2. 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.

3. 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.

4. To respond and talk to the person transmitting, press (PTT) within five seconds of the end of the transmission. The radio will transmit using the newly detected Interference Eliminator Code.

5. The radio will resume scrolling through the channels five seconds after the end of any received activity.

6. To stop scanning, briefly press the 🔘 key.

Scanning Notes:

1. If you press (PTT) 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.

2. If the radio stops on an undesired transmission, you may immediately resume the scan by briefly pressing ⊕ or ⊖ .

3. 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.

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.

6. 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.

with adjusted volume settings, locked controls, or a warbling alert tone. Users of other radio models set to the same channel and Interference Eliminator Code will hear a steady tone for 8 seconds followed by the voice transmission for 22 seconds.

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 and hold the flashlight button to turn and keep 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:
1. Press ⊛ and hold until 🔒 displays.
2. 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:
1. Briefly press the ⊛ key. The scan ⇄ will appear in the display, and the radio will begin to scroll through the 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.

To start Advanced Scanning:
1. Set the Interference Eliminator Code to "zero" or OFF.
2. 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.
3. 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.
4. 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.
5. The radio will resume scrolling through the channels five

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

Setting the Weather Channel
Your radio receives weather frequencies:
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
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.

1. After turning weather reception on, press ⊛ twice. On/Off displays.
2. Press ⊕ or ⊖ to select On/Off. If you activate Weather Alert and return to two-way mode, 〰 will display.
3. Press ⊛ to save the Weather Alert setting.
4. 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		

Weather Channels and Frequencies

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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