MOTOROLA SOLUTIONS

TALKABOUT ® TWO-WAY RADIO T2XX SERIES

MN002392A01-AB

Safety and General Information

Caution

Before using this radio, read this booklet which contains important operating instructions.
For information on product details, brochures, user manuals and approved accessories. Please refer to www.motorolasolutions.com.

Compliance with RF Exposure Standards

National and international regulations require manufacturers to comply with the RF energy exposure limits for portable two-way radios before they can be marketed. Your Motorola Solutions two-way radio is designed, manufactured, and tested to comply with all applicable national and international regulations for human exposure to radio frequency electromagnetic energy.

RF Energy Exposure Awareness and Control Information and Operational Instructions for General Population and Uncontrolled Environment Use

For more information on what RF energy exposure is, see the following websites:
• https://www.fcc.gov/
• http://www.who.int/peh-emf/project/en/
For additional information, see https://www.motorolasolutions.com/en_us/about/ company-overview/ corporate-responsibility/governance-and-policies/ wirelesscommunication-and-health-faqs.html.

FCC Licensing Information

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Operating Instructions

• Transmit no more than 50% of the time. To transmit (talk), press the Push-To-Talk (**PTT**) button. To receive calls, release the **PTT** button.
• Hold the radio in a vertical position in front of the face with the microphone (and other parts of the radio including the antenna) at least 1 in. (2.5 cm) away from the nose or lips. Antenna should be kept away from the eye.
• When worn on the body, always place the radio in a Motorola Solutions-approved clip, holder, holster, case, or body harness for this product.

• DO NOT hold the antenna when the radio is transmitting.
• 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.
• To ensure continued compliance with applicable RF exposure limits, use only Motorola Solutions-approved, supplied or replacement antennas, batteries, and accessories.
• For a list of Motorola Solutions-approved accessories please refer to your user manual or visit www.motorolasolutions.com

Acoustic Safety

Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the volume of the radio, the sooner your hearing will be affected. Hearing damage from loud noise is sometimes undetectable at first, and can have a cumulative effect.
To protect your hearing, follow these precautions:
• Use the lowest volume necessary to do your job.
• Turn up the volume only if you are in noisy surroundings.
• Turn down the volume before putting on a headset or headphones.
• Limit the amount of time you use a headset or headphones at high volume.
• When using the radio without a headset or headphones, do not place the speaker of the radio directly against your ear.

Medical Devices

If you use a personal medical device, such as a pacemaker or hearing aid, 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.

Operational Warnings

The following explains the operational warnings:
For Vehicle With Air Bags

WARNING
Warning:
• Refer to vehicle manufacturer's manual prior to installation of electronic equipment to avoid interference with air bag wiring.
• 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

WARNING
Warning:
• Use of a radio that is not intrinsically safe in a potentially explosive atmosphere could result in a serious injury, or death. You should only use a certified Intrinsically Safe radio in potentially explosive atmospheres.
• Explosive atmospheres refer to hazard classified locations that may contain hazardous gas, vapors, dusts, such as fueling areas below decks on boats, fuel, or chemical transferor storage facilities, and areas where the air contains chemicals or particles such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often, but not always, posted.
• Turn off your radio prior to entering any area with a potentially explosive atmosphere unless it is a radio type specifically certified for use in hazardous location areas.
• DO NOT remove, install, or charge batteries in such areas, or remove or install antennas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Blasting Caps and Blasting Areas

WARNING
Warning: To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

Batteries

• Charge your battery using the approved Motorola Solutions charger.
• Use the battery in accordance with its water and/or dust Ingress Protection (IP) rating.
• Do not discard your battery into a fire.
• Do not replace the battery in any area labeled "Hazardous Atmosphere".
• Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.
• Do not dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
• Do not allow conductive material such as jewelry, keys, or beaded chains to touch exposed battery terminals.

Repair

WARNING
Warning:
Repairs to a Motorola Solutions intrinsically safe radio product certified by, for example, FM, UL, CSA, CENELEC, should only be done at a location that has been audited under the certifying body's repair and service standard.

Contact Motorola Solutions for assistance regarding repairs and service of Motorola Solutions intrinsically safe equipment.

A repair constitutes something done internally to the unit that would bring it back to its original condition. Items not considered as repairs are those in which an action is performed on a unit which does not require the outer casing of the unit to be opened in a manner that exposes the internal electrical circuits of the unit.

Do Not Substitute Options or Accessories

The Motorola Solutions communications equipment certified as intrinsically safe by the approving agency (FM, UL, CSA, CENELEC) is tested as a complete system which consists of the listed agency approved portable, approved battery, and approved accessories or options, or both. This approved portable and battery combination must be strictly observed. There must be no substitution of items, even if the substitute has been previously approved with a different Motorola Solutions communications equipment unit. Approved configurations are listed by the approving agency (FM, UL, CSA, CENELEC).
The Intrinsically Safe Approval Label affixed to radio refers to the intrinsically safe classification of that radio product, and the approved batteries that can be used with that system. The manual PN referenced on the Intrinsically Safe Approval Label identifies the approved accessories and or options that can be used with that portable radio unit. Using a non-Motorola Solutions-intrinsically safe battery and/or accessory with the Motorola Solutions-approved radio unit will void the intrinsically safe approval of that radio unit.

European Union (EU) Waste of Electrical and Electronic Equipment (WEEE) Directive

The European Union's WEEE directive requires that products sold into EU countries must have the crossed out trash bin label on the product (or the package in some cases). As defined by the WEEE directive, this cross-out trash bin label means that customers and end-users in EU countries should not dispose of electronic and electrical equipment or accessories in household waste. Customers or end-users in EU countries should contact their local equipment supplier representative or service centre for information about the waste collection system in their country.

Notice to Users (FCC and Industry Canada

This device complies with part 15 of the FCC Rules and Industry Canada's License-exempt RSS' per the following conditions:
• This device may not cause interference.
• This device must accept any interference received, including interference that may cause undesired operation.
• Changes or modifications made to this device, not expressly approved by Motorola Solutions, could void the authority of the user to operate this equipment.

Licensing Information

USA (FCC)/CANADA

According to FCC Part 95, FRS devices do not require a license. Use of Motorola radio in Canada is subject to the rules regulations in ISED RSS 210 and do not require a license.

Changes or modifications not expressly approved by Motorola Solutions may void the user authority granted by the FCC or ISED to operate this radio and should not be made. To comply with FCC or ISED 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 or ISED equipment authorization for this radio could violate FCC or ISED rules.

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

Mexico

Use of GMRS frequencies is subject to the Rules and Regulations of the Federal Communications Institute (IFT) requires that all operators using GMRS frequencies obtain a permit before operating their equipment. To obtain a permit from the IFT, the user must proceed in accordance with Articles 14 and 15 of the Federal Telecommunications Law. Consult your local IFT office for more information: www.ift.org.mx

Uruguay

Use of GMRS frequencies is subject to the Rules and Regulations of the Regulatory Unit Communications Services (URSEC). URSEC requires that all operators using GMRS frequencies obtain a permit before operating their equipment. The authorization shall depend on the channel availability at the time the authorization is requested. To obtain a permit from URSEC, consult your local URSEC office for more information: www.ursec.gub.uy.

Panama and Paraguay

The Republic of Panama and Paraguay do not require authorization to use FRS/GMRS radio equipment frequencies.

Chile

Servicio de Banda Local UHF frequency use is subject to SUBTEL Resolution 1.261 and Resolution 52 Exenta. A license is required for use in Chile. To obtain a Banda Local end-user license:

1. Fill out the required application form to request Local Band service.
a. It is available on the SUBTEL website:
http://www.subtel.gob.cl/ index.php?option=com_ content&view =article&id=1388&Itemid=2087
b. It is also available at the SUBTEL offices:
Subsecretaría de Telecomunicaciones
Unidad de Licencias y Permisos
Lorenzo Gotuzzo N°124, piso 6
Santiago, Chile
Tel. (56-2) 421 3634
2. Present this form with your ID at the above location.
3. Consult the SUBTEL offices for applicable fees.
For more information, consult SUBTEL at www.subtel.cl or call their offices at the telephone number listed above.

Colombia

Operacion itinerante de baja potencia frequency use is subject to CRC Resolución 002190 de 2003. No license is required for use in Colombia. Consult CRC at www.crcom.gov.co for more information.

Peru

Colectivo Familiar frequency use is subject to MTC RVM 388-200-MTC/15.03 and FCC (FRS), Part 95B. No license is required for use in Peru. Consult MTC Peru at www.mtc.gob.pe for more information.
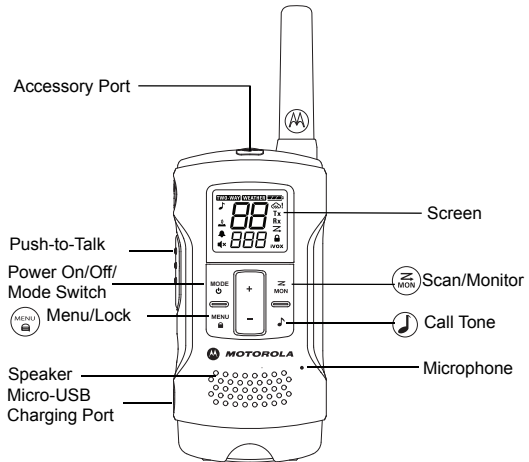
Argentina

Uso Familiar frequency use is subject to CNC Resolution SC No. 2750/98. No license is required for use in Argentina.
Consult the AFTIC at http://www.aftic.gob.ar/ for more information.

Brazil

The frequency general use is subject to the Annex to Resolution 506 Section XIV - Radio Communication Equipment General Purpose. It is not required use license in Brazil. See the ANATEL site for more information: http://www.anatel.gov.br/Portal/exibirPortalInternet.do

Control Buttons

Accessory Port

Push-to-Talk
Power On/Off/Mode Switch
Menu/Lock

Speaker
Micro-USB
Charging Port

Screen
Scan/Monitor
Call Tone
Microphone

Display Screen Guide

TWO-WAY WEATHER

Numbers for Channel

Numbers for Codes, Call Tone

♪ — Call Tone
)) — Keypad Tone
🔔 — Roger Tone
🔇 — Mute
iVOX — iVOX / VOX

📶 — Battery Meter
📡! — Weather Alert
TxRx — Status (transmit/receive)
Z — Scan
🔒 — Lock

Getting Started

Installing the Batteries

Discard the retailer tag (loose in one of the battery compartments), before installing batteries.

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

Installing the NiMH Rechargeable Battery Pack (Optional Accessory)

1. Take the belt clip off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Insert the NiMH battery pack by following the instruction on the battery pack. (The ribbon must be underneath the battery pack and must wrap around the right side of the pack for easy removal).
4. Close the battery cover firmly.

Installing the Three AA Alkaline Batteries

1. Take the belt clip 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. (The ribbon must be underneath the AA alkaline batteries and must wrap around the right side of the batteries).
4. Close the battery cover firmly.

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 the **PTT** button (Low Battery Alert).

Removing the NiMH Battery Pack

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 by pulling the ribbon attached to the radio.
4. Close the battery cover firmly.

Removing 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. Gently remove each alkaline battery by pulling the ribbon attached to the radio.
4. Close the battery cover firmly.

Note:
• 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.

Battery Capacity Maintenance

1. Charge the NiMH batteries once every 3 months when not in use.
2. Before placing the radio in storage, remove the battery.
3. Store the NiMH batteries in temperature between -20 °C to 35 °C and in low humidity. Avoid damp conditions and corrosive materials.

Using the Micro-USB Charger

The micro-USB charger is a handy port that allows you to conveniently charge your NiMH battery pack.
1. Make sure your radio is turned OFF.
2. Plug the micro-USB cable into the micro-USB charging port on your radio. Connect the other end of the micro-USB charger to wall power outlet.
3. An empty battery will be fully charged in 12 hours.
4. The battery meter on LCD will move to indicate the battery is charging.

Note:
• 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.

Attaching and Removing the Belt Clip

1. Attach the belt clip to the back of the radio until the clip clicks in place.
2. Attach the belt clip to pocket or belt strap until the clip clicks in place.
To Remove
1. Push the release tab on top of the belt clip to release the latch.
2. Pull the belt clip away from the back of the radio.

Turning your Radio On and Off

1. Press and hold on the 🔘 button to turn your radio ON/OFF. 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. The radio is in Two-Way mode.

Setting the Volume

Press and hold 🔘 for three seconds to listen to volume level.
1. First press either + or – to trigger volume change. You will see current volume level on screen.
2. Press + to increase the volume. Press – to decrease the volume.
3. When the volume reached level 0 the mute icon 🔇 appears permanently on screen.
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 the **PTT** button. When transmitting, TWO-WAY icon blinks (only on radio with weather mode feature) and Tx is shown.
2. When you are finished talking, release the **PTT** button.
3. When receiving, TWO-WAY icon blinks (only on radio with weather mode feature) and Rx is shown.
For maximum clarity, hold the radio one inch 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. 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 the **PTT** button for 60 continuous seconds.

Mode Button (Only on Radio with Weather Mode Feature)

By pressing "mode" button, the user will be seamlessly switching between two-way and weather mode. When radio is in two-way mode, TWO-WAY will be shown. When radio is in weather mode, WEATHER will be shown. Corresponding setting and information will be shown on the LCD.

Menu Options

Selecting the Channel

Each country model has different number of channels and frequencies. See the "Channels and Frequencies" table on overleaf for details.
1. With the radio on, press 🔘 one time until the channel number starts to flash.
2. Press + or – and select an unused or quiet channel. An extended press of + or – allows you to scroll through the channels rapidly.
3. Press the **PTT** button to save the channel setting and exit menu 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 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 🔘 two times until the code starts to flash.
2. Press ➕ or ➖ to select the code.
3. Press the **PTT** button to save the code setting and exit menu 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: On a radio that uses Interference Eliminator Codes, the code must be set to 0 to communicate with radios that do not have Interference Eliminator Codes. Select 0 for "no tone, no code" on the display of your radio.

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. Your radio has 20 call tones from which to choose.

To set a call tone:

1. Press 🔘 three times until 🎵 appears. The current call tone setting will flash.
2. Press ➕ or ➖ to change and hear the call tone.
3. Press the **PTT** button to set the new call tone and exit menu or 🔘 to continue set up.

To transmit your call tone to other radios set up to the same channel and Interference Eliminator Code as your radio, press 🎵.

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

Hands-Free Use Without Accessories (iVOX)

Note: iVOX feature is not available on model T200.

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

1. Press 🔘 four times until **iVOX** appears on the display. The current setting will flash.
2. Press ➕ or ➖ to select Off or set sensitivity L1, L2 or L3.
3. Press the **PTT** button to set and exit menu or 🔘 to continue set up.

Hands-Free Use with Accessories (VOX)

Note: VOX feature is not available on model T200.

You can transmit hands-free more reliable with the use of optional **VOX** 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/TalkaboutAccessories or call

customer service.

1. Plug the **VOX** accessory into the accessory port. Press 🔘 four times until **VOX** appears on the display. The current setting will flash.
2. Press ➕ or ➖ to select Off or set sensitivity L1, L2 or L3.
3. Press the **PTT** button to set and exit menu or 🔘 to continue set up.
4. Lower the volume before placing the accessory on your head or in your ear.
5. To turn off **VOX**, simply remove accessory.
6. When **VOX** accessory is connected, only accessory microphone is functional. Pressing **PTT** on radio will also allow user to transmit via accessory microphone.

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 iVOX/VOX Mode

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

L3 = High Sensitivity for quiet environments
L2 = Medium Sensitivity for most environments
L1 = Low Sensitivity for noisy environments

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 🔘 five times (four times on model T200) until 🔈 appears. The current setting On/Off will flash.
2. Press either ➕ or ➖ to turn On or Off.
3. Press the **PTT** button to confirm and exit menu 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 🔘 six times (five times on model T200) until the 🔔 appears. The current setting On/Off flashes.
2. Press ➕ or ➖ to turn On or Off.
3. Press the **PTT** button to set and exit menu.

<div style="text-align:center">**Special Features**</div>

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

Scanning Channels

Use scan to search all 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.

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 the **PTT** button 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 the **PTT** button 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 turn back on, or exit and re-enter the scanning mode by pressing 🔍.
5. You cannot remove the home channel from the scan list.

<div style="text-align:center">**Weather Receiver**</div>

Note: Weather feature is not available on model T200. Weather feature is available on model T260 designed for use in USA and Canada.

Your radio can tune in to broadcasts by the United States National Oceanic and Atmospheric Administration (NOAA) Weather Radio and Environment Canada Weather Radio. You can listen to a weather channel (see "Weather Channels and Frequencies" table for details) 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 to view the appropriate transmitter for your area. The use of the NOAA logo does not provide an endorsement or implied endorsement by the National Weather Service of NOAA, nor does the use of the Weatheradio logo provide an endorsement or implied endorsement by Environment Canada.

Entering Weather Mode

1. From two-way mode, press 📻 to enter weather mode **WEATHER**.

Setting the Weather Channel

Your radio receives weather frequencies:

1. In weather mode, press 🔘 one time until weather channel number flashes.
2. Press ➕ or ➖ to select the appropriate channel with good reception in your area.
3. Press the **PTT** button to set and exit menu or 🔘 to continue set up weather alert.

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. In weather mode press 🔘 twice until ◁◁! displays.
2. Press ➕ or ➖ to select On/Off.
3. Press the **PTT** button or 🔘 to exit the weather menu set up.
4. Press 📻 to return to two-way mode. If you activate Weather Alert and return to two-way mode ◁◁! will display.

Note: When the weather channel is activated, either manually or after receiving an alert, and no buttons are pressed for 5 minutes, the weather mode will automatically revert back 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		

<div style="text-align:center">**Channels and Frequencies**</div>

USA, Canada, Mexico, Panama, Paraguay, Uruguay

Channel	Frequency	Max Power Output	Channel	Frequency	Max Power Output
1	462.5625 MHz	2 W	12	467.6625 MHz	0.5 W
2	462.5875 MHz	2 W	13	467.6875 MHz	0.5 W
3	462.6125 MHz	2 W	14	467.7125 MHz	0.5 W
4	462.6375 MHz	2 W	15	462.5500 MHz	2 W
5	462.6625 MHz	2 W	16	462.5750 MHz	2 W
6	462.6875 MHz	2 W	17	462.6000 MHz	2 W
7	462.7125 MHz	2 W	18	462.6250 MHz	2 W
8	467.5625 MHz	0.5 W	19	462.6500 MHz	2 W
9	467.5875 MHz	0.5 W	20	462.6750 MHz	2 W
10	467.6125 MHz	0.5 W	21	462.7000 MHz	2 W
11	467.6375 MHz	0.5 W	22	462.7250 MHz	2 W

Argentina

Channel	Frequency
1	462.5625 MHz
2	462.5875 MHz
3	462.6125 MHz
4	462.6375 MHz
5	462.6625 MHz
6	462.6875 MHz
7	462.7125 MHz

Brazil

Channel	Frequency	Channel	Frequency
1	462.5625 MHz	14	467.5625 MHz
2	462.5750 MHz	15	467.5750 MHz
3	462.5875 MHz	16	467.5875 MHz
4	462.6000 MHz	17	467.6000 MHz
5	462.6125 MHz	18	467.6125 MHz
6	462.6250 MHz	19	467.6250 MHz
7	462.6375 MHz	20	467.6375 MHz
8	462.6500 MHz	21	467.6500 MHz
9	462.6625 MHz	22	467.6625 MHz
10	462.6750 MHz	23	467.6750 MHz
11	462.6875 MHz	24	467.6875 MHz
12	462.7000 MHz	25	467.7000 MHz
13	462.7125 MHz	26	467.7125 MHz

Chile

Channel	Frequency	Channel	Frequency
1	462.5500 MHz	18	467.6000 MHz
2	462.5625 MHz	19	467.6250 MHz
3	462.5750 MHz	20	467.6500 MHz
4	462.5875 MHz	21	467.6750 MHz
5	462.6000 MHz	22	467.7000 MHz
6	462.6125 MHz	23	467.7250 MHz
7	462.6250 MHz	24	467.8125 MHz
8	462.6375 MHz	25	467.8250 MHz
9	462.6500 MHz	26	467.8375 MHz
10	462.6625 MHz	27	467.8500 MHz
11	462.6750 MHz	28	467.8625 MHz
12	462.6875 MHz	29	467.8750 MHz
13	462.7000 MHz	30	467.8875 MHz
14	462.7125 MHz	31	467.9000 MHz
15	462.7250 MHz	32	467.9150 MHz
16	467.5500 MHz	33	467.9250 MHz
17	467.5750 MHz		

Columbia

Channel	Frequency	Channel	Frequency
1	462.5625 MHz	10	467.6125 MHz
2	462.5875 MHz	11	467.6375 MHz
3	462.6125 MHz	12	467.6625 MHz
4	462.6375 MHz	13	467.6875 MHz
5	462.6625 MHz	14	467.7125 MHz
6	462.6875 MHz	15	467.7625 MHz
7	462.7125 MHz	16	467.8125 MHz
8	467.5625 MHz	17	467.8375 MHz
9	467.5875 MHz	18	467.9125 MHz

Peru

Channel	Frequency	Channel	Frequency
1	462.5625 MHz	8	467.5625 MHz
2	462.5875 MHz	9	467.5875 MHz
3	462.6125 MHz	10	467.6125 MHz
4	462.6375 MHz	11	467.6375 MHz
5	462.6625 MHz	12	467.6625 MHz
6	462.6875 MHz	13	467.6875 MHz
7	462.7125 MHz	14	467.7125 MHz

<div style="text-align:center">**Patent and Copyright Information**</div>

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2016 and 2018 Motorola Solutions, Inc. All rights reserved.

<div style="text-align:center">**Warranty**</div>

Consumer Two-Way Radio Products and Accessories purchased in the USA, Canada, Mexico, Uruguay, Panama, Paraguay, Brazil, Argentina, Chile, Peru, and Columbia

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola Solutions, Inc. ("Motorola") warrants the Motorola Solutions branded consumer

two-way radios that operate via Family Radio Service or General Mobile Radio Service ("Products"), the Motorola Solutions branded or certified accessories sold for use with these Products ("Accessories") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is the exclusive remedy of a consumer, and applies as follows to new Products and Accessories and purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What will MOTOROLA SOLUTIONS, INC. do?

Motorola Solutions, Inc., at its option, will at no charge repair, replace or refund the purchase price of any Products or Accessories that do not conform to this warranty. We may use functionally equivalent reconditioned/ refurbished/ pre-owned or new Products or Accessories.

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 consumers, and is provided in lieu of all other warranties, express or implied. In no event shall Motorola Solutions 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.

Products Covered	Length Of Coverage
Products and Accessories as defined above, unless otherwise provided for below: Batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak	**One (1) year** from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
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 From Warranty Coverage

Normal Wear and Tear:
Periodic maintenance, repair and replacement of Products or Accessories due to normal wear and tear.

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 Products and Accessories 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 Solutions.

Use of Non-Motorola Solutions branded Products and Accessories:
Defects or damage that result from the use of Non-Motorola Solutions branded or certified products, accessories, software or other peripheral equipment.

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 Solutions or its authorized service centers.

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 Solutions branded housings, or parts.

Communication Services:
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.

How to Obtain Warranty Service or Other Information?

To obtain customer service or information:

USA and Canada:
1-800-448-6686.
www.motorolasolutions.com/talkabout
Email us at consumerradio@motorolasolutions.com
Latin America

Toll free:
Argentina 0800-333-3708
Brazil 0800-892-4264
Chile 123-0020-2126
Colombia 01-800-710-2285
Mexico 001-855-241-8253
Panama 001-800-205-3867
Peru 0800-55760
Uruguay 598 – 24001716

Toll or long distance:
Spanish +001-312-725-5372
Portuguese +001.312.725.5373
English +001-312-725-5368
Paraguay + 595 61 548 1000

www.motorolasolutions.com/talkabout/es (Spanish)
www.motorolasolutions.com/talkabout/pt (Portugese)

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 Motorola or a Motorola Solutions 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.

For more information, please visit us at:

[f] https://www.facebook.com/MotorolaTalkaboutWalkieTalkies

[YouTube] http://bit.ly/Talkabout

www.motorolasolutions.com/talkabout

www.motorolasolutions.com/talkabout/pt (Portuguese)

www.motorolasolutions.com/talkabout/es (Spanish)