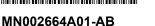
TALKABOUT ® TWO-WAY RADIO T1XX SERIES





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Safety and General Information

CautionBefore 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 tromagnetic 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

- 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-fags.htm

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 quarantee 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 To ensure continued compliance with applicable RF exposure limits.
- use only Motorola Solutions-approved, supplied or rep antennas, batteries, and accessories.
- For a list of Motorola Solutions-approved accessories please refer

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

· 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

Refer to vehicle manufacturer's manual prior to estallation of electronic equipment to avoid interference

vith 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 cupants of the vehicle.

Potentially Explosive Atmospheres

WARNING

WARNING

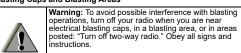
explosive atmosphere could result in a serious injury, or death. You should only use a certified Intrinsically Safe radio in potentially explosive atmospheres.

Explosive atmospheres refer to hazard classified ocations that may contain hazardous gas, vapors, dusts such as fueling areas below decks on boats, fuel, or hemical transferor storage facilities, and areas where the ir contains chemicals or particles such as grain, dust, or netal powders. Areas with potentially explosive atmospheres are often, but not always, posted.

Use of a radio that is not intrinsically safe in a potentially

Turn off your radio prior to entering any area with a ootentially 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 reas, or remove or install antennas. Sparks in a otentially explosive atmosphere can cause an explosi or fire resulting in bodily injury or even death.

Blasting Caps and Blasting Areas



WARNING

- Batteries
 Charge your battery using the approved Motorola Solutions charger
 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
- 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

warning: Repairs to a Motorola Solutions intrinsically safe radio oroduct 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



standard. Contact Motorola Solutions for assistance regarding epairs and service of Motorola Solutions intrinsically safe

WARNING

A repair constitutes something done internally to the unit hat 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 asing of the unit to be opened in a manner that expose 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 ntrinsically 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 socases). 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 not display the product of the pr r end-users in EU countries should contact their local equipment supplier representative or service centre for nformation about the waste collection system in their

Getting Started

Installing the Batteries

- Make sure your radio is OFF.
- To remove the battery compartment door, by pressing the tab at the bottom of the compartment door. Remove the door.
- Insert three AAA batteries into the battery compartment. Replace the battery compartment door

Battery Level and Low Battery Alert



Electromagnetic Interference/Compatibility

configured for electromagnetic compatibility.

Canada License-exempt RSS standard(s).

Operation is subject to the following two conditions:

1. This device may not cause interference, and

the Federal Communications Commission (FCC)

the instructions you will need.

For a fax:

Contact the Fax-

On-Demand

1-202-418-0177

operated in Canada.

be prohibited.

information: www.ift.org.mx

more information: www.ursec.gub.uv.

GMRS radio equipment frequencies.

Push-to-Talk

Menu/Power

Call Tone/ Lock-

Channel

— Kevpad Lock

__ Mute

Z — Scar

Canada

Mexico

Note: Nearly every electronic device is susceptible to electromagnetic

interference (EMI) if inadequately shielded, designed or otherwise

This device complies with part 15 of the FCC Rules and Industry

2. This device must accept any interference received, including

Licensing Information

Use of GMRS frequencies is subject to the Rules and Regulations of

The FCC requires that all operators using GMRS frequencies obtain

a radio license before operating their equipment. To obtain the FCC

index.htm?job=home to source form 605 and 159, which includes all

If you wish to have the document faxed or mailed, or if you have

For mail service: Call the FCC Forms

(3676)

Use of Motorola Solutions radio in Canada is subject to the rules &

regulations of Industry Canada (IC). IC requires no license when

Solutions may void your user authority granted by the IC/FCC to

requirements, transmitter adjustments should be made only by or

perform transmitter maintenance and repairs in the private land

representative of the user of those services. Replacement of any

transmitter component (crystal, semiconductor, etc) not authorized by

Note: Use of this radio outside the country where it was intended to

Use of GMRS frequencies is subject to the Rules and Regulations of

the Federal Communications Institute (IFT) requires that all operators.

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

The Republic of Panama does not require authorization to use FRS/

Control Buttons

A X Z EST TX RX

Display Screen Guide

M MC

Volume/

Scroll

- Battery (2

TxRx - Status (transmit/

Battery Levels)

obtain a permit from URSEC, consult your local URSEC office for

using GMRS frequencies obtain a permit before operating their

equipment. To obtain a permit from the IFT, you must proceed in

Telecommunications Law. Consult your local IFT office for more

accordance with Articles 14 and 15 of the Federal

be distributed is subject to government regulations and may

the IC/FCC equipment authorization for this radio could violate IC/

mobile and fixed services as certified by an organization

operate this radio and should not be made. To comply with IC/FCC

under the supervision of a person certified as technically qualified to

Changes or modifications not expressly approved by Motorola

Call the FCC

(225-5322)

forms, please visit the FCC website at wireless.fcc.gov/uls/

questions, please use the following contact information:

interference that may cause undesired operation of the device.

This icon will show when battery is low and will blink when battery is extremely low. Replace the batteries

Removing the Alkaline Batteries

- Turn the radio off
- With the back of the radio facing you, lift the battery cover latch
- up and remove the cover.

 Gently remove each alkaline battery.
- Close the battery cover firmly.

Note:

- Exercise care when removing AAA 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.

Attaching and Removing the Belt Clip

- Attach the belt clip to the back of the radio until the clip clicks in
- Attach the belt clip to pocket or belt strap until the clip clicks in

To Remove

Push the release tab on top of the belt clip to release the latch. Pull the belt clip away from the back of the radio

Basic Radio Operations

Read this reference guide completely before attempting to operate

Turning Your Radio On/Off

Press and hold the MENU/(I) button to turn your radio ON/OFF.

Adjusting the Volume

- Adjust the volume by pressing the (+) and (-) buttons.
- When the volume reached level 0, the mute icon ■x appears

Adjusting the Sound (Key Beeps)

Your radio emits a beep each time one of the buttons is pressed (except the PTT button).

Press and hold the \bigcirc button while turning the radio ON to switch the sound OFF.

To turn this sound ON, turn the radio OFF and ON again without pressing the - button.

Selecting a Channel

In order to speak to someone, both your radios must be set to the same channel

To select a channel

- Press **MENU**/() one time to enter Menu.
- Press (+) or (-) to the required channel. An extended press of (+) or (-) allows you to scroll through the channel.
- 3. Press PTT button to confirm the selection or MENU/() to

continue setup

Talking and Listening

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

- To talk, press and hold the PTT button. When transmitting, the Tx is shown.
- When you are finished talking, release the PTT button.
- When receiving, the Rx is shown.
- For maximum clarity, hold the radio 1 in. away from your mouth and speak directly into the microphone. Do not cover the microphone

Talk Range

Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than 5 ft apart.

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 s continuously.

Channel Scan Mode

Channel Scan Mode enables your radio to scan for active channels. When activity is detected, your radio lands (stays) on that channel (for two seconds). To transmit on that channel, press the PTT button. When activity on the landed channel ends, your radio continues scanning other channels.

- To turn the channel scan ON:
- Press I to start scanning. Press MENU/() or PTT to turn 2.

Press MENU/(1) two times until Z appears.

- Press and hold I A until A appears to lock the keypad. When in lock mode, you can turn the radio on and off, adjust the volume, send a call tone, receive, and transmit. All other
 - Press and hold 🏅 🕒, until 🚨 disappears to unlock the keypad.

Monitor Mode

Your radio enables you to listen for weak signals on the current To turn the Monitor Mode ON:

- Press MENU/() three times until the Channel Monitor setting flashes and the **R**x appears.
- Press the 🄰 🖴 button for continuous listening. The **R** 🗴 icon continues to appears.

To turn the Monitor Mode OFF:

Press the **MENU**/() button to return to "Normal" mode. The Rx icon stops appearing.

Roger Beep

Roger been sounds to indicate the end of a PTT transmission. It can be heard through the speaker when Key Beep is on. It cannot be heard through the speaker if Key Beep is turned off.

Press and hold the (+) button while turning the radio ON to turn the Roger Beep ON. Repeat the step to turn Roger Beep OFF.

Automatic Power Save

For better battery life, your radio is designed to switch to Power Save mode when there has been no transmissions after 3 s. The radio can receive transmissions in this mode.

Channels and Frequencies

USA, Canada, Mexico, Panama, Uruguay

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

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Warranty

Consumer Two-Way Radio Products and Accessories purchased in the USA, Canada, Mexico, Uruguay, and Panama

What Does this Warranty Cover?

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

two-way radios that operate through Family Radio Service or General Mobile Radio Service ("Products"), the Motorola 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

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

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

as defined above, unless otherwise provided for	One 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 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 and 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 ther peripheral equipment

Inauthorized 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

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;

Altered Products:

or (d) non-conforming 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

IISA and Canada

1-800-448-6686. www.motorolasolutions.com/talkabout

E-mail us at consumerradio@motorolasolutions.com Latin America Toll free: Mexico 001-855-241-8253

Uruguay 598 - 24001716 Toll or long distance: Spanish +001-312-725-5372

Panama 001-800-205-386

Enalish +001-312-725-5368

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:



http://bit.ly/Talkabout

https://www.facebook.com/

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www.motorolasolutions.com/talkabout



www.motorolasolutions.com/talkabout/es



