

- The display shows a check mark beside the Voice Announcement icon.
- All Voice Announcement tones are turned on.

If Voice Announcement is off, the following occurs:

- Voice Announcement sounds Voice Announcement Off.
- The display shows an "X" mark beside the Voice Announcement icon.
- All Voice Announcement tones are turned off.

Turning Radio Alert Tones On or Off



NOTICE:

Depending on the configuration of your radio, press or press and hold the **Menu/Programmable** button to directly access the feature. Else, manually enter the feature with the following procedure.

1 Press the **Menu/Programmable** button.

2 Locate the Alert Tones icon.

3 To turn on Alert Tones, press the **Volume Up** button. To turn off, press the **Volume Down** button.

If Alert Tones is on, the following occurs:

- Voice announcement sounds All Alert Tones On.
- The display shows a check mark beside the Alert Tones icon.
- All tones and alerts are turned on.

If Alert Tones is off, the following occurs:

- Voice announcement sounds All Alert Tones Off.
- The display shows an "X" mark beside the Alert Tones icon.
- All tones and alerts are turned off.

Adjusting the Display Brightness

1 Press the **Menu/Programmable** button.

2 Locate the Display Brightness icon.

3 To select the brightness level, toggle the **Volume** buttons.

The lowest brightness level is 1 and the highest is 4.

- Voice Announcement sounds the selected brightness level.
- The screen shows the selected display brightness.

Turning Location On or Off



NOTICE:

Depending on the configuration of your radio, press or press and hold the **Menu/Programmable** button to directly access the feature. Else, manually enter the feature with the following procedure.

Location can only be accessed when enabled. Check with your dealer or system administrator for more information.

- 1 Press the **Menu/Programmable** button.
- 2 Locate the Location icon.
- 3 To turn on Location, press the **Volume Up** button. To turn off, press the **Volume Down** button.

If Location is on, the following occurs:

- Voice Announcement sounds Location Service On.

- The display shows a check mark beside the Location icon.

If Location is off, the following occurs:

- Voice Announcement sounds Location Service Off.
- The display shows an "X" mark beside the Location icon.

Turning Wi-Fi On or Off



NOTICE:

Depending on the configuration of your radio, press or press and hold the **Menu/Programmable** button to directly access the feature. Else, manually enter the feature with the following procedure.

- 1 Press the **Menu/Programmable** button.
- 2 Locate the Wi-Fi icon.
- 3 To turn on Wi-Fi, press the **Volume Up** button. To turn off, press the **Volume Down** button.

If Wi-Fi is on, the following occurs:

- Voice Announcement sounds Wi-Fi On.

- The display shows a check mark beside the Wi-Fi icon.
- If Wi-Fi is off, the following occurs:
- Voice Announcement sounds Wi-Fi Off.
 - The display shows an "X" mark beside the Wi-Fi icon.

Turning Radio Cellular On or Off



NOTICE:

Depending on the configuration of your radio, press or press and hold the **Menu/Programmable** button to directly access the feature. Else, manually enter the feature with the following procedure.

- 1 Press the **Menu/Programmable** button.
- 2 Locate the Cellular icon.
- 3 To turn on Cellular, press the **Volume Up** button. To turn off, press the **Volume Down** button.

If Cellular is on, the following occurs:

- Voice Announcement sounds Cellular On.
- The display shows a check mark beside the Cellular icon.

If Cellular is off, the following occurs:

- Voice Announcement sounds Cellular Off.
- The display shows an "X" mark beside the Cellular icon.

Bluetooth

This feature allows you to use your radio with a Bluetooth-enabled accessory through a Bluetooth connection. Your radio supports both Motorola Solutions and Commercially available Off-The-Shelf (COTS) Bluetooth-enabled accessory.

Bluetooth operates within a range of 10 m (32 ft) line of sight. This is an unobstructed path between your radio and your Bluetooth-enabled accessory. For high degree of reliability, Motorola Solutions recommends to not separate the radio and the accessory.

At the fringe areas of reception, both voice and tone quality start to sound "garbled" or "broken". To correct this problem, position your radio and Bluetooth-enabled accessory closer to each other (within the 10 m defined range) to re-establish clear audio reception. The Bluetooth function of your radio has maximum power of 2.5 mW (4 dBm) at the 10 m range.

Refer to the user manual of your respective Bluetooth-enabled accessories for more details on the full capabilities of your Bluetooth-enabled accessory.

Turning Bluetooth On or Off



NOTICE:

Depending on the configuration of your radio, press or press and hold the **Menu/Programmable** button to directly access the feature. Else, manually enter the feature with the following procedure.

- 1 Press the **Menu/Programmable** button.
- 2 Locate the Bluetooth icon.
- 3 To turn on Bluetooth, press the **Volume Up** button. To turn off, press the **Volume Down** button.

If Bluetooth is on, the following occurs:

- Voice Announcement sounds Bluetooth On.
- The display shows a check mark beside the Bluetooth icon.

If Bluetooth is off, the following occurs:

- Voice Announcement sounds Bluetooth Off.

- The display shows an "X" mark beside the Bluetooth icon.

Searching for Bluetooth Devices

To search for other Bluetooth devices, press the **Power/Info** button until you see the Bluetooth icon. The radio displays Bluetooth Searching icon and Voice Announcement sounds Bluetooth Searching.

Connecting to Bluetooth Devices

- 1 While searching, the radio search for the last connected Bluetooth accessory. Once connected, an indication tone sounds from the connected Bluetooth accessory.
- 2 To view Bluetooth's status information, press the **Power/Info** button. The radio displays Bluetooth Connected icon and Voice Announcement sounds Bluetooth Connected.

Disconnecting from Bluetooth Devices

- 1 When the Bluetooth accessory goes out of range or turn off, it will be disconnected from the radio automatically.

The radio sounds an indication tone after disconnected from the Bluetooth accessory.

- 2 The radio attempts to reconnect to the same Bluetooth accessory within a reconnect timer.

Clearing Bluetooth Pairing

- 1 Press the **Power/Info** button until you see the Bluetooth icon.
- 2 Scroll through the bluetooth list using **Talkgroup/Contact List Scroll Rocker** or **Volume Up and Volume Down** buttons until the right bluetooth is displayed.

- 3 On the device "friendly" name, press and hold the **Menu/Programmable** button to clear the pairing.

If clearing the bluetooth pairing successfully, a positive tone sounds.

If clearing an unpaired device, a negative tone sounds.

Scan

This feature allows your radio to cycle through the programmed scan list for the current channel looking for voice activity.

When in the scan mode, the system preempts an ongoing low-priority talkgroup call. Your radio unmutes to the high-priority talkgroup call. You respond to the active talkgroup when you press the PTT button during the programmed period (hang time) of an ongoing call from your scan list.

Pressing the PTT button when the radio is not in a call, causes the radio to start a call on the last selected talkgroup.



NOTICE:

If the DND mode is enabled during the scan mode, your radio prioritizes the DND mode.

Turning Scan On or Off



NOTICE:

Depending on the configuration of your radio, press or press and hold the **Menu/Programmable** button to directly access the feature. Else, manually enter the feature with the following procedure.

- 1** Press the **Menu/Programmable** button.

- 2** Locate the Scan icon.

- 3** To turn on Scan, press the **Volume Up** button. To turn off, press the **Volume Down** button.

If Scan is on, the following occurs:

- Voice Announcement sounds Scan On.
- The display shows a check mark beside the Scan icon.
- The amber LED blinks.

If Scan is off, the following occurs:

- Voice Announcement sounds Scan Off.
- The display shows an "X" mark beside the Scan icon.

Instant Personal Alert

Instant Personal Alert (IPA) is a notification that you can send to a contact that is busy or unable to reply to a group or private call.

When you received an IPA, your radio sounds a tone and displays an icon and the sender alias.

The IPA received is stored in the IPA Status List and allows you to view and reply at any time. When multiple IPAs are received, the latest IPA will appear at the top of the list. The IPA Status List can store up to nine alerts.

If you have a private call with the sender of the IPA, then the IPA is automatically cleared.

Sending IPA

- 1 Press the **Menu/Programmable** button.
- 2 Locate the Contact icon.
- 3 Select the **<required alias>** that you would like to send the IPA to.

- 4 Press and hold the **Menu/Programmable** button to send IPA.

Your display blink twice after your IPA is sent and a positive tone sounds.

Receiving IPAs

When you receive an IPA during idle mode, your radio shows the following indications:

- The IPA is added to the IPA Status List.
- A tone sounds.
- The amber LED blinks until IPA is cleared.
- The display shows the IPA icon and alias.

Viewing IPA List

- 1 Press the **Power/Info** button until you see the IPA List icon.

- 2 Scroll through the IPA list using **Talkgroup/Contact List Scroll Rocker** or **Volume Up and Volume Down** buttons to view the list.
-

The list shows nine IPA entries. When the list is reaching the end or the beginning, a tone sounds.

Clearing IPA Status List

Perform one of the following actions:

- From the contact list or IPA list, select the contact that you want to clear and press and hold the **PTT** button to make a call.
 - In the IPA Status List, press and hold the **Menu/Programmable** button on the contact that you want to clear.
 - Power cycle your radio to clear all the IPAs.
-

Emergency Operations

There are two ways in declaring or canceling an Emergency.

You can declare or cancel an Emergency locally by pressing the programmable button (**Emergency** button) or the **Emergency** button on your Bluetooth accessory.

You can also declare or cancel an Emergency remotely by an authorized user through WAVE APP or a dispatcher.

When Emergency is declared and radio enters into Emergency mode successfully, the display flashes with the Emergency icon. When the display flashes the Emergency icon, you are only allowed to view the battery status, volume control, make an emergency call and exit the emergency mode.

During the Emergency mode, any call launched is declared as Emergency Call.

Declaring Emergency

Configure the **Menu/Programmable** button to Emergency. Contact your dealer for more information.

- Press and hold the **Menu/Programmable** button.

The display shows a countdown from !! 3 !!, !! 2 !!, and !! 1 !! with increasing tone.

If Emergency is declared by mistake, during the countdown, release the **Menu/Programmable** button to cancel declaring Emergency.

If Emergency is declared successfully, your radio shows the following indications:

- The Emergency tone sounds.
- The amber LED lights up.
- The display shows Emergency icon.

If Emergency is failed to declare, your radio returns to the previously selected channel.

Cancelling Emergency

Configure the **Menu/Programmable** button to Emergency. Contact your dealer for more information.

- Press and hold the **Menu/Programmable** button.

The display shows a countdown from !! 3 !!, !! 2 !!, and !! 1 !! with increasing tone.

If Emergency is cancelled by mistake, during the countdown, release the **Menu/Programmable** button to return to the Emergency mode.

If Emergency is cancelled successfully, the display returns to previously selected channel.

Receiving Emergency Alerts

When you receive a Declared-Emergency Alert, your radio shows the following indications:

- The Emergency tone sounds.
- The amber LED blinks for 2 seconds.
- The display shows the Declared-Emergency Alert icon and the initiator's alias.
- The alert has a higher priority compare to making or receiving call.

When you receive a Cancelled-Emergency Alert, your radio shows the following indications:

- The Emergency tone sounds.
- The amber LED blinks until all Emergency Alerts are cleared from the Emergency Alert List.
- The display shows the Cancelled-Emergency Alert icon and the initiator's alias.

- The alert has a higher priority compare to making or receiving call.

Responding to Emergency Alerts

- 1 Press the **Power/Info** button.

- 2 Locate Emergency Alert List icon.

- 3 To select the required Emergency Alert alias, press the **Volume Up and Volume Down** button.

- 4 Press **PTT** button to initiate a call.

Receiving Emergency Calls

When you receive a Emergency Call, your radio shows the following indications:

- The Emergency tone sounds.
- The green LED lights up.
- For Group Call, the display shows the Emergency Call icon, Talkgroup Channel alias for 2 seconds, and then scroll to Caller Alias.

- For Private Call, the display shows the Emergency Call icon and the initiator's alias.

Clearing Emergency Alert List

An Emergency Alert in the Emergency Alert List is cleared when a corresponding Cancelled-Emergency Alert is received. Else, manually clear the list with the following actions.

Perform one of the following actions:

- In the Emergency Alert List, press and hold the **Menu/Programmable** button on the Emergency Alert Alias that you want to clear.
- Power cycle your radio to clear all the Emergency Alerts.

When all Emergency Alerts are cleared, the Emergency Alert List icon disappears from the **Power/Info** button option and the amber LED dissolves.

Area Talkgroup

When you enter a geographic area, you are able to view and hear the notifications for the talkgroup area in that geofence.

The Area Talkgroup is added to the Area Talkgroup List in alphabetical order. Once you are added to the Area Talkgroup List, your radio receives calls from both Area Talkgroup and the Talkgroup Channel before you enter into the Area Talkgroup zone. You can use the **Channel** button to navigate through the Talkgroup Channel List and into the Area Talkgroup List. The Channel Number is not displayed when you are in Area Talkgroup.

When you are in the Area Talkgroup, your radio sounds the Voice Announcement, the green LED blinks, and the display shows the talkgroup alias.

When you exit the Area Talkgroup, your radio sounds the Voice Announcement and the display shows the talkgroup alias as well. If you are in a call when you exit the Area Talkgroup, the call continues without dropping. When the call finally terminates, your radio then exit the Area Talkgroup.

If the Area Talkgroup is removed, you will go back to your previous channel.

Radio Stun

Radio Stun indicates that the radio is disabled.

When your radio is in Radio Stun mode, all the buttons except for **Power/Info** and **Volume Up and Volume Down** buttons are disabled. All voice activity and LED indications are disabled as well.

In powered on state, pressing the **Power/Info** button displays the Radio Stun screen.

User Disabled or Suspended

User Disabled or Suspended indicates that your account is disabled or suspended. When your account is disabled or suspended, you are not able to login to the PTT server.

Your radio sounds a tone, red LED blinks, and flashes the User Disable or Suspended icon.

The **Power/Info**, **Menu/Programmble**, and **Volume Up and Down** buttons still works normally.

When you presses the **PTT** button, your radio tries to login to the PTT server. If your radio able to connect to the PTT server, it will bring you to the normal login screen, else the User Disable or Suspended icon flashes.

Radio Kill

Radio Kill indicates that your radio is permanently disabled.

In a normal Operation mode, when your radio receive a kill command, your radio will turn off.

While in Kill mode, there are no User Interface (UI) on your radio and you are not able to turn on your radio. Your radio can only be re-activated by Motorola Solutions.

Contact your dealer for more information.

Ambient Listening

This feature allows the authorized user to listen to the ambient audio of a specific radio during idle mode.

When an authorized user starts ambient listening on a specific radio, the radio plays a tone, displays the ambient listening icon and the alias of the authorized user. Ambient listening stops when a different type of call is initiated or received.

Authorized Accessories List

Motorola Solutions provides a list of accessories to improve the productivity of your radio.

Antenna

- Gray Antenna ID Band (pack of 10) (32012144001)
- Yellow Antenna ID Band (pack of 10) (32012144002)
- Green Antenna ID Band (pack of 10) (32012144003)
- Blue Antenna ID Band (pack of 10) (32012144004)
- Purple Antenna ID Band (pack of 10) (32012144005)
- LTE Antenna (HKAN4003_)

Battery

- Li-Ion 2500 mAh Battery (PMNN4578_)

Carry Devices

- Nylon Wrist Strap (PMLN6074_)
- Heavy-Duty Swivel Belt Clip (PMLN7128_)
- Swivel Carry Holster (PMLN7932_)

Chargers

- Micro USB Charger, 5 W, 100 V–240 V, EU plug (PS000042A12)
- Micro USB Charger, 5 W, 100 V–240 V, UK plug (PS000042A13)
- Multi-unit Charger, EU Plug (PMLN7102_)
- Single Unit Rapid Rate Charger, EU Plug (PMLN7110_)
- Multi-unit Charger, UK Plug (PMLN7162_)
- Single Unit Charger, UK Plug (PMLN7163_)

Earbuds and Earpieces

- Earbud with In-line Mic/Push-To-Talk (PTT), MagOne (PMLN7156_)
- 2-Wire with Transparent Tube, Black (PMLN7157_)
- 1-Wire Surveillance Earpiece, In-Line Mic and PTT (PMLN7158_)
- Adjustable D-Style with In-Line Mic and PTT (PMLN7159_)
- Swivel Earpiece, In-line Mic and PTT (PMLN7189_)

Miscellaneous Accessories

- Battery Door (HKLN4684_)

Remote Speaker Microphone

- RM250 Remote Speaker Microphone (PMMN4125_)
- WM500 Wireless PoC Remote Speaker Microphone (PMMN4127)

Batteries and Chargers Warranty

The Workmanship Warranty

The workmanship warranty guarantees against defects in workmanship under normal use and service.

TLK 100i Batteries	12 Months
--------------------	-----------

The Capacity Warranty

The capacity warranty guarantees 80% of the rated capacity for the warranty duration.

Lithium-Ion (Li-Ion) Batteries	12 Months
--------------------------------	-----------

Limited Warranty

MOTOROLA SOLUTIONS COMMUNICATION PRODUCTS

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

Motorola Solutions, Inc. ("Motorola Solutions") warrants the Motorola Solutions manufactured Communication Products listed below ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

Portable Radio	1 Year
Product Accessories	1 Year

Motorola Solutions, at its option, will at no charge either repair the Product (with new or reconditioned parts), replace it (with a new or reconditioned Product), or refund the purchase price of the Product during the warranty period provided it is returned in accordance with the terms of this warranty. Replaced parts or boards are warranted

for the balance of the original applicable warranty period. All replaced parts of Product shall become the property of Motorola Solutions.

This express limited warranty is extended by Motorola Solutions to the original end user purchaser only and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by Motorola Solutions. Motorola Solutions assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of Motorola Solutions.

Unless made in a separate agreement between Motorola Solutions and the original end user purchaser, Motorola Solutions does not warrant the installation, maintenance or service of the Product.

Motorola Solutions cannot be responsible in any way for any ancillary equipment not furnished by Motorola Solutions which is attached to or used in connection with the Product, or for operation of the Product with any ancillary equipment, and all such equipment is expressly excluded from this warranty. Because each system which may use the Product is unique, Motorola Solutions disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

II. GENERAL PROVISIONS

This warranty sets forth the full extent of Motorola Solutions responsibilities regarding the Product. Repair, replacement or refund of the purchase price, at Motorola Solutions option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL MOTOROLA SOLUTIONS BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

III. STATE LAW RIGHTS:

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG AN IMPLIED

WARRANTY LASTS, SO THE ABOVE LIMITATION OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights which may vary from state to state.

IV. HOW TO GET WARRANTY SERVICE

You must provide proof of purchase (bearing the date of purchase and Product item serial number) in order to receive warranty service and, also, deliver or send the Product item, transportation and insurance prepaid, to an authorized warranty service location. Warranty service will be provided by Motorola Solutions through one of its authorized warranty service locations. If you first contact the company which sold you the Product (for example, dealer or communication service provider), it can facilitate your obtaining warranty service. You can also call Motorola Solutions at 1-800-927-2744.

V. WHAT THIS WARRANTY DOES NOT COVER

- 1 Defects or damage resulting from use of the Product in other than its normal and customary manner.

English

- 2 Defects or damage from misuse, accident, water, or neglect.
- 3 Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.
- 4 Breakage or damage to antennas unless caused directly by defects in material workmanship.
- 5 A Product subjected to unauthorized Product modifications, disassembles or repairs (including, without limitation, the addition to the Product of non-Motorola Solutions supplied equipment) which adversely affect performance of the Product or interfere with Motorola Solutions normal warranty inspection and testing of the Product to verify any warranty claim.
- 6 Product which has had the serial number removed or made illegible.
- 7 Rechargeable batteries if:
 - any of the seals on the battery enclosure of cells are broken or show evidence of tampering.
 - the damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.
- 8 Freight costs to the repair depot.
- 9 A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with Motorola Solutions published specifications or the FCC certification labeling in effect for the Product at the time the Product was initially distributed from Motorola Solutions.
- 10 Scratches or other cosmetic damage to Product surfaces that does not affect the operation of the Product.
- 11 Normal and customary wear and tear.

VI. PATENT AND SOFTWARE PROVISIONS

Motorola Solutions will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a United States patent, and Motorola Solutions will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

- 1 Motorola Solutions will be notified promptly in writing by such purchaser of any notice of such claim,

- 2 Motorola Solutions will have sole control of the defense of such suit and all negotiations for its settlement or compromise, and
- 3 Should the Product or parts become, or in Motorola Solutions opinion be likely to become, the subject of a claim of infringement of a United States patent, that such purchaser will permit Motorola Solutions, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by Motorola Solutions.

Motorola Solutions will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by Motorola Solutions, nor will Motorola Solutions have any liability for the use of ancillary equipment or software not furnished by Motorola Solutions which is attached to or used in connection with the Product. The foregoing states the entire liability of Motorola Solutions with respect to infringement of patents by the Product or any parts thereof.

Laws in the United States and other countries preserve for Motorola Solutions certain exclusive rights for copyrighted Motorola Solutions software such as the exclusive rights to reproduce in copies and distribute copies of such Motorola Solutions software. Motorola Solutions software may be used in only the Product in which the software was originally embodied and such software in such Product may not be replaced, copied, distributed, modified in any way, or used to produce any derivative thereof. No other use including, without limitation, alteration, modification, reproduction, distribution, or reverse engineering of such Motorola Solutions software or exercise of rights in such Motorola Solutions software is permitted. No license is granted by implication, estoppel or otherwise under Motorola Solutions patent rights or copyrights.

VII. GOVERNING LAW

This Warranty is governed by the laws of the State of Illinois, U.S.A.

www.motorolasolutions.com

Motorola Solutions, Inc.
1303 East Algonquin Road
Schaumburg, Illinois 60196 U.S.A.

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. © 2019 and 2020 Motorola Solutions, Inc. All rights reserved.

