If there is no voice activity for a predetermined period of time, the call ends.

6.3
Advanced Features in Connect Plus Mode

This chapter explains the operations of the features available in your radio.

6.3.1
Home Channel Reminder

This feature provides a reminder when the radio is not set to the home channel for a period of time.

If this feature is enabled by using the CPS, the Home Channel Reminder tone and announcement sound periodically when the radio is not set to the home channel for a period of time.

You can respond to the reminder by performing one of the following actions:

• Return to the home channel.

• Mute the reminder temporarily by using the programmable button.

• Set a new home channel by using the programmable button.

6.3.1.1
Muting the Home Channel Reminder

When the Home Channel Reminder occurs, you can temporarily mute the reminder by performing the following action.

Press the **Silence Home Channel Reminder** programmable button.

6.3.1.2
Setting a New Home Channel

When the Home Channel Reminder occurs, you can set a new home channel by performing the following action.

• Press the **Reset Home Channel** programmable button.

6.3.2
Auto Fallback

Auto Fallback is a system feature that allows you to continue to make and receive non-emergency calls on the selected Group Contact, if certain types of failures occur in the Connect Plus system.

If one of these failures occurs, your radio attempts to roam to a different Connect Plus site. This search process may result in your radio finding an operable Connect Plus site, or it may result in your radio finding a Fallback Channel (if your radio is enabled for Auto Fallback).

A Fallback Channel is a repeater that is normally part of an operable Connect Plus site, but cannot communicate with either the site controller or Connect Plus network at that moment. In Fallback mode, the repeater operates as a single digital repeater. Auto Fallback Mode supports non-emergency Group Calls only. No other call types are supported in Fallback Mode.

6.3.2.1
Indications of Auto Fallback Mode

When your radio is using a Fallback channel, you hear the intermittent Fallback Tone approximately once every 15 seconds (except while transmitting). Your radio only permits PTT on the selected Group Contact (Group Call, Multigroup Call, or Site All Call). It does not allow you to make other types of calls.

6.3.2.2

Making/Receiving Calls in Fallback Mode

NOTE:
Calls are heard only by radios that are monitoring the same Fallback channel and selected to the same Group. Calls are not networked to other sites or other repeaters.
Emergency voice calls or Emergency Alerts are not available in Fallback mode. If you press the emergency button in Fallback mode, the radio provides an invalid key press tone.

Private (radio to radio) and Phone calls are not available in Fallback mode. If you attempt a call to a private contact, you will receive a denial tone. At this point you should select a desired group contact. Other non-supported calls include Remote Monitor, Call Alert, Radio Check, Radio Enable, Radio Disable, Text messaging, Location Updates, and packet data calls.

Enhanced Traffic Channel Access (ETCA) is not supported in Auto Fallback mode. If two or more radio users press **PTT** at the same time (or at almost the same time), it is possible that both radios transmit until **PTT** is released. In this event,

it is possible that none of the transmissions will be understood by receiving radios.

Making calls in Fallback mode is similar to normal functioning. Simply select the group contact you wish to use (using the radio's normal channel selection method), and then press the **PTT** to start your call. It is possible that the channel may be in use already by another group. If the channel is in use, you receive a busy tone. You may select Group, Multi-group or Site All Call contacts using your radio's normal channel selection method. While the radio is operating on the Fallback Channel, the Multigroup operates just like other Groups. It is only heard by radios that are currently selected to the same Multi-group.

6.3.2.3
Returning to Normal Operation

If the site returns to normal trunking operation while you are in range of your Fallback repeater, your radio automatically exits Auto Fallback mode. You hear a registration "beep" when the radio successfully registers. If you are in the range of an operable site (that is not in Fallback mode), you may press the Roam Request button (if programmed for your radio) to force your radio to search for and register on an available site. If no other site is available, your radio returns to Auto Fallback mode after searching is complete.

If you drive out of coverage of your Fallback repeater, your radio enters Search mode.

6.3.3
Scan

This feature allows your radio to monitor and join calls for groups defined in a pre-programmed scan list. When scan is enabled, the LED blinks yellow when idle.

6.3.3.1
Starting and Stopping Scan

> **NOTE:**
> This procedure turns the Scan feature On or Off for all Connect Plus zones with the same Network ID as your currently selected zone.

You can start and stop scanning by pressing the programmed **Scan** button.

- A tone sounds indicating that Scan has been turned on or off.
- When Scan is enabled, the tone's pitch increases.
- When Scan is disabled, the tone's pitch decreases.

6.3.3.2
Responding to a Transmission During a Scan

During scanning, your radio stops on a group where activity is detected. The radio continuously listens for any member in the scan list when idle on the control channel.

1 Hold the radio vertically 1 to 2 inches (2.5 to 5.0 cm) from your mouth.

2 Press the **PTT** button during hang time.

The LED lights up solid green.

3 Wait for the Talk Permit Tone to finish (if enabled), and speak clearly into the microphone.

4 Release the **PTT** button to listen.

If you do not respond within the hang time, the radio returns to scanning other groups.

6.3.4

Understanding Scan Operation

NOTE:
If you scan into a call for a group that is not assigned to a channel position in the currently selected zone and you miss the call's Hang Time, switch to the proper zone and then select the group's channel position to talk back to that group.

There are some circumstances in which you can miss calls for groups that are in your scan list. When you miss a call for one of the following reasons, this does not indicate a problem with your radio. This is a normal scan operation for Connect Plus.

- Scan feature is not turned on (check for LED blinking yellow).
- You are participating in a call already.
- No member of the scanned group is registered at your site (Multisite systems only).

6.3.5
Scan Talkback

If your radio scans into a call from the selectable group scan list, and if the **PTT** button is pressed during the scanned call, the operation of the radio depends on

whether Scan Talkback was enabled or disabled during radio programming.

Scan Talkback Disabled

The radio leaves the scanned call and attempts to transmit on the contact for the currently selected channel position. After the Call Hang Time on the currently selected contact expires, the radio returns to the home channel and starts the Scan Hang Time Timer. The radio resumes group scan after its Scan Hang Time Timer expires.

Scan Talkback Enabled

If the **PTT** button is pressed during the Group Hang Time of the scanned call, the radio attempts to transmit to the scanned group.

NOTE:
For Capacity Max, if you scan into a call for a group that is not assigned to a channel position in the currently selected zone and the call ends, switch to the proper zone and then select the channel position of the group to talk back to that group.

For Connect Plus, if you scan into a call for a group that is not assigned to a channel position in the currently selected zone and you miss the Hang Time of the call, switch to the proper zone and then select the channel position of the group to talk back to that group.

If you scan into a call for a group that is not assigned to a channel position in the currently selected zone and you miss the Hang Time of the call, switch to the proper zone and then select the channel position of the group to talk back to that group.

6.3.6
Editing Priority for a Talkgroup

The Priority Monitor feature allows the radio to automatically receive transmission from the talkgroup with

higher priority when it is in another call. A tone sounds when the radio switches to the call with higher priority. The MOTOTRBO Connect Plus Option Board CPS can configure two levels of priority for the talkgroups: P1 and P2. P1 has higher priority than P2.

NOTE:
If Default Emergency Revert Group ID is configured in MOTOTRBO Connect Plus Option Board CPS, there are three levels of priority for talkgroups: P0, P1, and P2. P0 is the permanent Emergency Revert Group ID and the highest priority. Check with your dealer or system administrator for more information.

6.3.7
Call Indicator Settings

This feature allows the radio users to configure call or text message ringing tones.

6.3.7.1

Selecting a Ring Alert Type

NOTE:
The programmed **Ring Alert Type** button is assigned by your dealer or system administrator. Check with your dealer or system administrator to determine how your radio has been programmed.

You can program the radio calls to one predetermined vibrate call.

The radio vibrates once if it is a momentary ring style. The radio vibrates repetitively if it is a repetitive ring style. When set to Ring and Vibrate, the radio sounds a specific ring tone if there is any incoming radio transaction (for example, Call Alert or Message). It sounds like a positive indicator tone or missed call.

For radios with batteries that support the vibrate feature and are attached to a vibrating belt clip, the available Ring Alert Type options are Silent, Ring, Vibrate, and Ring and Vibrate.

For radios with batteries that do not support the vibrate feature and are not attached to a vibrating belt clip, Ring Alert Type is automatically set to Ring. If you press the programmed **Ring Alert Type** button, a bad key tone sounds, indicating the multiple Ring Alert Type options are disabled.

You can select a Ring Alert Type by performing the following action.

- Press the programmed **Ring Alert Type** button to toggle Voice Announcement or Text-to-Speech, and the radio behavior to the following options.

  - For Silent, Voice Announcement or Text-to-Speech sounds **Ring Alert Type Silent** only.

  - For Ring Only, Voice Announcement or Text-to-Speech sounds **Ring Alert Type** and the radio sounds a ring tone.

  - For Vibrate Only, Voice Announcement or Text-to-Speech sounds **Ring Alert Type** and the radio vibrates.

  - For Ring and Vibrate, Voice Announcement or Text-to-Speech sounds **Ring Alert Type** and the radio sounds a ring tone and vibrates.

6.3.7.2

Configuring Vibrate Style

NOTE:
The programmed **Vibrate Style** button is assigned by your dealer or system administrator. Check with your dealer or system administrator to determine how your radio has been programmed.

Vibrate Style is enabled when the Vibrating Belt Clip is attached to the radio with a battery that supports the vibrate feature.

You can configure the vibrate style by performing the following action.

- Press the programmed **Vibrate Style** button to toggle to short, medium, or long option and the radio vibrates accordingly. Voice Announcement or Text-to-Speech sounds **Vibrate Style**.

6.3.7.3
Escalating Alarm Tone Volume

You can program your radio to continually alert you when a radio call remains unanswered. This is done by

automatically increasing the alarm tone volume over time. This feature is known as Escalert.

6.3.8
Call Alert Operation

Call Alert paging enables you to alert a specific radio user to call you back when they are able to do so.

This feature is accessible by using a programmed **One Touch Access** button.

6.3.8.1
Responding to Call Alerts

When you receive a Call Alert:

- A repetitive tone sounds.
- The yellow LED blinks.

    Press the **PTT** button within 4 seconds of receiving a Call Alert page to respond with a Private Call.

6.3.8.2

Making a Call Alert with the One Touch Access Button

Press the programmed **One Touch Access** button to make a Call Alert to the predefined alias.

The LED lights up solid green when your radio is sending the Call Alert.

If the Call Alert acknowledgement is received, a positive indicator tone sounds.

If the Call Alert acknowledgement is not received, a negative indicator tone sounds.

6.3.9
Mute Mode

Mute Mode provides an option to silence all audio indicators on your radio.

When Mute Mode is initiated, all audio indicators are muted except higher priority features such as emergency operations.

When Mute Mode is exited, your radio resumes playing ongoing tones and audio transmissions.

> **IMPORTANT:**
> You can only enable either Face Down or Man Down one at a time. Both features cannot be enabled together.

6.3.9.1
Turning On Mute Mode

Follow the procedure to turn on Mute Mode.

Do one of the following:

- Access this feature by using the programmed **Mute Mode** button.
- Access this feature by placing the radio in a face-down position momentarily.

Depending on radio model, the Face Down feature can be enabled either through the radio menu or by your system administrator. Check with your dealer or system administrator for more information.

> **IMPORTANT:**
> User can only enable either Man Down or Face Down at a time. Both features cannot be enabled together.

> **NOTE:**
> Face Down feature is applicable to XPR 7350e/XPR 7380e only.

The following occurs when Mute mode is enabled:

- Positive Indicator Tone sounds.
- The red LED light starts blinking and remains blinking until Mute Mode is exited.
- Radio is muted.
- Mute Mode Timer begins counting down the duration that is configured.

6.3.9.2
Exiting Mute Mode

This feature can be exited automatically once the Mute Mode Timer expires.

Do one of the following to exit Mute mode manually:

- Press the programmed **Mute Mode** button.

- Press the **PTT** button on any entry.

- Place the radio in a face-up position momentarily.

  NOTE:
  Face Down feature is applicable to XPR 7350e/XPR 7380e only.

The following occurs when Mute mode is disabled:

- Negative Indicator Tone sounds.

- The blinking red LED turns off.

- Your radio unmutes and speaker state is restored.

- If the timer has not expired, Mute mode timer is stopped.

  NOTE:
  Mute Mode is also exited if the user transmits voice or switches to an unprogrammed channel.

6.3.10

Emergency Operation

NOTE:
If your radio is programmed for Silent or Silent with Voice emergency initiation, in most cases it automatically exits silent operation after the Emergency Call or Emergency Alert is finished. The exception to this rule is when Emergency Alert is the configured Emergency Mode and Silent is the configured Emergency Type. If your radio is programmed in this manner, the silent operation continues until you cancel silent operation by pressing **PTT** or the button configured for Emergency Off.

Emergency voice calls and Emergency Alerts are not supported when operating in Connect Plus Auto Fallback mode. For more information see the Auto Fallback on page 104.

An Emergency Alert is used to indicate a critical situation. You can initiate an Emergency at any time, in any state, even when there is activity on the current channel. Pressing the **Emergency** button initiates the programmed Emergency mode. The programmed Emergency mode may also be initiated by triggering the optional Man Down feature. The Emergency feature may be disabled in your radio.

Your dealer can set the duration of a button press for the programmed **Emergency** button, except for long press, which is similar with all other buttons:

Short press
Between 0.05 seconds and 0.75 seconds.

Long press
Between 1.00 second and 3.75 seconds.

The **Emergency** button is assigned with the Emergency On/Off feature. Check with your dealer for the assigned operation of the **Emergency** button.

• If the short press for the **Emergency** button is assigned to turn on the Emergency mode, then the long press for the **Emergency** button is assigned to exit the Emergency mode.

• If the long press for the **Emergency** button is assigned to turn on the Emergency mode, then the short press for the **Emergency** button is assigned to exit the Emergency mode.

When your radio is selected to a Connect Plus zone, it supports three Emergency modes:

Emergency Call
You must press the **PTT** button to talk on the assigned emergency time slot.

Emergency Call with Voice to Follow
For the first transmission on the assigned emergency time slot, the microphone is automatically unmuted and you may talk without pressing the **PTT** button. The microphone stays "hot" in this fashion for a time period programmed into the radio. For subsequent transmissions in the same Emergency call, you must press the **PTT** button.

Emergency Alert
An Emergency Alert is not a voice call. It is an emergency notification that is sent to radios that are configured to receive these alerts. The radio sends an emergency alert by using the control channel of the currently registered site. The Emergency Alert is received by radios in the Connect Plus network that are programmed to receive them (no matter which network site they are registered to).

Only one of the Emergency Modes can be assigned to the Emergency button per zone. In addition, each Emergency mode has the following types:

Regular
Radio initiates an Emergency and shows audio and/or visual indicators.

Silent

Radio initiates an Emergency without any audio or visual indicators. The radio suppresses all audio or visual indications of the Emergency until you press the **PTT** button to start a voice transmission.

Silent with Voice

The same as Silent operation, except that the radio also unmutes for some voice transmissions.

6.3.10.1
Responding to an Emergency Call

The radio does not show that it is receiving an Emergency call. Respond the same way as you would to group calls.

6.3.10.2
Ignore Emergency Revert Call

This feature enhancement provides an option for your radio to disregard an active Emergency Revert Call.

To enable Ignore Emergency Revert Call, your radio must be configured through the Connect Plus Customer Programming Software (CPCPS).

When the feature is enabled, the radio does not receive any audio on the default Emergency Revert Group ID.

Contact with your dealer for more information.

6.3.10.3
Initiating an Emergency Call

NOTE:

If your radio is set to Silent, it does not display any audio or visual indicators during Emergency mode until you press the **PTT** button to initiate a voice transmission.

If your radio is set to Silent with Voice, it does not initially display any audio or visual indicators that the radio is in Emergency mode. However, your radio unmutes for the transmissions of radios responding to your emergency. The emergency indicators only appear once you press the **PTT** button to initiate a voice transmission from your radio.

For both "Silent" and "Silent with Voice" operation, the radio automatically exits silent operation after the Emergency Call is finished.

1 Press the programmed **Emergency** button.

2 Press the **PTT** button to initiate a voice transmission on the Emergency group.

When you release the **PTT** button, the Emergency call continues for the time allotted for the Emergency Call Hang Time.

If you press the **PTT** button during this time, the Emergency call continues.

6.3.10.4
Initiating an Emergency Call with Voice to Follow

Your radio must be programmed for this type of operation.

When enabled for this operation, when you press the programmed **Emergency** button, and when your radio receives the time slot assignment, the microphone is automatically activated without pressing the **PTT** button. This activated microphone state is also known as "hot mic". The "hot mic" applies to the first voice transmission from your radio during the Emergency call. For subsequent transmissions in the same Emergency call, you must press the **PTT** button.

1 Press the programmed **Emergency** button.

2 The microphone remains active for the "hot mic" time specified in your radio codeplug programming.

During this time, the LED lights up green.

3 Press and hold the **PTT** button to talk longer than the programmed duration.

6.3.10.5
Initiating an Emergency Alert

> **NOTE:**
> If your radio is programmed for "Silent" or "Silent with Voice", it will not provide any audio or visual indications that it is sending an Emergency Alert. If programmed for "Silent", the silent operation continues indefinitely until you press PTT or the button configured for "Emergency Off". If programmed for "Silent with Voice", the radio automatically cancels silent operation when the site controller broadcasts the Emergency Alert.

Press the orange **Emergency** button.

Once the Emergency Alert is successfully sent and is being broadcast for other radios to hear, a positive indicator tone sounds.

6.3.10.6
Exiting Emergency Mode

NOTE:

If the Emergency call ends due to the expiration of the Emergency Hang Time, but the emergency condition is not over, press the **Emergency** button again to restart the process.

If you initiate an Emergency Alert by pressing the programmed **Emergency** button, your radio automatically exits Emergency mode after receiving a response from the Connect Plus system.

If you initiate an Emergency call by pressing the programmed **Emergency** button, your radio will be assigned a channel automatically when one becomes available. Once your radio has transmitted a message indicating the emergency, you cannot cancel your Emergency call. However, if you pressed the button by accident or the emergency no longer exists, you may wish

to say this over the assigned channel. When you release the **PTT** button, the Emergency call is discontinued after the Emergency Call Hang Time expires.

If your radio was configured for Emergency with Voice to Follow, use the "hot mic" period to explain your error, then press and release the **PTT** button to discontinue the transmission. The Emergency call is discontinued after the Emergency Call Hang Time expires.

6.3.11
Man Down Alarms

NOTE:

This feature is applicable to XPR 7350e/XPR 7380e only.

Man Down Alarms are not supported when operating in Fallback mode. For more information see the Auto Fallback on page 104.

This section describes the Connect Plus Man Down Feature. This is a purchasable feature that may or may not apply to your radio.

Your Connect Plus portable radio can be enabled and programmed for one or more of the Man Down Alarms. Your dealer or radio system administrator can tell you

whether or not this applies to your radio and which specific Man Down Alarms have been enabled and programmed.

If your radio has been programmed for one or more of the following Man Down Alarms, it is important for you to understand how the Alarm works, what indication (tones) your radio provides, and the action you should take.

The purpose of the Man Down Alarms is to alert others when you might be in danger. This is accomplished by programming your radio to detect a certain angle of tilt, lack of movement, or movement, depending on which Man Down Alarm(s) is/are enabled. If your radio detects a disallowed movement type, and if the condition is not corrected in a certain period of time, the radio starts to play an Alert Tone (if so programmed). At this point you should immediately take one or more of the corrective actions discussed below, depending on which Man Down Alarm(s) has/have been enabled for your radio. If you do not take corrective action within a certain period of time, your radio automatically starts an Emergency (either an Emergency Call or Emergency Alert).

* **Tilt Alarm** – When your radio is tilted at or beyond a specified angle for a period of time, it plays an Alert Tone (if so programmed). To prevent the radio from automatically starting an Emergency Call or

Emergency Alert, restore the radio to the vertical position immediately.

* **Anti-Movement Alarm** – When your radio is motionless for a period of time, it plays an Alert Tone (if so programmed). To prevent the radio from automatically starting an Emergency Call or Emergency Alert, move the radio immediately.

* **Movement Alarm** – When your radio is in motion for a period of time, it plays an Alert Tone (if so programmed). To prevent the radio from automatically starting an Emergency Call or Emergency Alert, stop the radio's motion immediately.

Your dealer or radio system administrator can tell you which of the above alarms (if any) has been enabled through radio programming. It is possible to enable both the Tilt and Anti- Movement Alarms. In that case, the Alert Tone plays when the radio detects the first movement violation.

Instead of taking the corrective actions discussed above, you can also prevent the radio from starting the Emergency call or Emergency Alert by using a programmable button, if your radio has been configured in this manner. This is discussed in the next two sections.

6.3.11.1
Turning Man Down Alarms On and Off

✎ **NOTE:**
The programmed **Man Down** button and Man Down settings are configured using CPS. Check with your dealer or system administrator to determine how your radio has been programmed.

If you enable Man Down to maximum sensitivity and set Vibrate Style to high, the radio automatically restricts Vibrate Style to medium. This function prevents high Vibrate Style from initiating the Man Down emergency feature.

The procedure for turning the Man Down Alarms On and Off depends on how your radio is programmed. If programmed with a Man Down Alarms On/Off button, use the button to toggle the Man Down Alarms On and Off. This applies to all of the Man Down Alarms enabled for your radio.

When using the programmable button to toggle the Man Down Alarms On, your radio plays a tone that rises in pitch.

In order to hear the tones described above when turning the Man Down Alarms On and Off, the MOTOTRBO radio and Connect Plus Option Board must both be enabled for keypad tones.

6.3.11.2
Resetting the Man Down Alarms

If your radio has been programmed with a Man Down Alarms Reset button, it is possible to reset the Man Down Alarms without turning them On or Off. This stops any Man Down Alert Tone that is currently playing, and it also resets the Alarm timers. However, it is still necessary to correct the movement violation by taking the appropriate corrective action described in the Man Down Alarms section. If the movement violation is not corrected within a period of time, the Alert Tone starts playing again.

6.3.12
Beacon Feature

The Beacon feature is part of Connect Plus Man Down, a purchasable feature. Your dealer or Radio System Administrator can tell you if the Beacon feature applies to your radio.

If your radio has been enabled and programmed for one or more of the Man Down Alarms, it can also be enabled for the Beacon feature.

If your radio automatically starts an Emergency Call or Emergency Alert due to one of the Man Down Alarms, and if your radio is also enabled for the Beacon feature, the radio starts to periodically emit a high pitched tone approximately once every ten seconds. The interval can vary depending on whether you are talking on your radio. The purpose of the Beacon tone is to help searchers locate you. If your radio has also been enabled for the "Visual Beacon", the radio's backlight comes on for a few seconds every time the Beacon tone plays.

You can stop your radio from playing the Beacon tone by using a programmable button, if your radio has been configured in this manner. This is discussed in the next two sections. If your radio does not have the programmable button or menu option, you can stop the Beacon tone by turning the radio off and then on again, or by changing to a different zone (if your radio has been programmed for more than one zone).

6.3.12.1
Turning Beacon On and Off

The procedure for turning the Beacon On and Off depends on how your radio is programmed. If programmed with a Beacon On/Off button, use the button to toggle the Beacon On and Off.

- When using the programmable button to toggle the Beacon On, your radio plays a tone that rises in pitch.
- When using the programmable button to toggle the Beacon Off, your radio plays a tone that falls in pitch.

In order to hear the tones described above when turning the Beacon On and Off, the MOTOTRBO radio and Connect Plus Option Board must both be enabled for keypad tones.

6.3.12.2
Resetting the Beacon

If your radio has been programmed with either the Beacon Reset button, it is possible to reset the Beacon. This stops the Beacon Tone without turning the Beacon feature Off.

6.3.13
Text Messaging

Your radio is able to receive data, for example a text message, from another radio or a text message application.

There are two types of text messages, Digital Mobile Radio (DMR) Short Text Message and text message. The maximum length of a DMR Short Text Message is 23 characters. The maximum length of a text message is

280 characters, including the subject line. The subject line only appears when you receive messages from e-mail applications.

NOTE:
The maximum character length is only applicable for models with the latest software and hardware. For radio models with older software and hardware, the maximum length of a text message is 140 characters. Contact your dealer for more information.

6.3.13.1
Sending Quick Text Messages with the One Touch Access Button

To send a predefined Quick Text message to a predefined alias, press the programmed **One Touch Access** button.

If message is successfully sent, your radio shows the following indications:

- A positive tone sounds.

- The green LED illuminates.

If message fails to be sent, your radio shows the following indications:

- A negative tone sounds.

- The display shows `Message Send Failed`.

If the text message fails to send, the radio returns you to the `Resend` option screen.

6.3.14
Privacy

If enabled, this feature helps to prevent eavesdropping by unauthorized users on a channel by the use of a software-based scrambling solution. The signaling and user identification portions of a transmission are not scrambled.

Your radio must have privacy enabled on the current channel selector position to send a privacy-enabled transmission, although this is not a necessary requirement for receiving a transmission. While on a privacy-enabled channel selector position, the radio is still able to receive clear (unscrambled) transmissions.

Your radio supports Enhanced Privacy.

To unscramble a privacy-enabled call transmission, your radio must be programmed to have the same Key Value

and Key ID (for Enhanced Privacy) as the transmitting radio.

If your radio receives a scrambled call that is of a different Key Value and Key ID, you hear nothing at all (Enhanced Privacy).

The LED lights up solid green while the radio is transmitting and blinks green rapidly when the radio is receiving an ongoing privacy-enabled transmission.

You can access this feature by performing one of the following actions:

- Pressing the programmed **Privacy** button to toggle privacy on or off.

  NOTE:
  Some radio models may not offer this Privacy feature. Check with your dealer or system administrator for more information.

6.3.14.1
Making a Privacy-Enabled (Scrambled) Call

Toggle privacy on using the programmed privacy button. Your radio must have the Privacy feature enabled for the currently selected channel position to send a privacy-

enabled transmission. When privacy is enabled for the currently selected channel position, all voice transmissions made by your radio will be scrambled. This includes Group Call, Multigroup Call, talk-back during scanned calls, Site All Call, Emergency Call, and Private Call. Only receiving radios with the same Key Value and Key ID as your radio will be able to unscramble the transmission.

6.3.15
Bluetooth Operation

NOTE:
If disabled via the CPS, all Bluetooth-related features are disabled and the Bluetooth device database is erased.

This feature is applicable to XPR 7350e/XPR 7380e Bluetooth and Wi-Fi models only.

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

Bluetooth operates within a range of 10 meters (32 feet) line of sight. This is an unobstructed path between your radio and your Bluetooth-enabled device.

It is not recommended that you leave your radio behind and expect your Bluetooth-enabled device to work with a high degree of reliability when they are separated.

At the fringe areas of reception, both voice and tone quality will start to sound "garbled" or "broken". To correct this problem, simply position your radio and Bluetooth-enabled device closer to each other (within the 10-meter/32 feet defined range) to re-establish clear audio reception. Your radio's Bluetooth function has a maximum power of 2.5 mW (4 dBm) at the 10-meter/32 feet range.

Your radio can support up to 4 simultaneous Bluetooth connections with Bluetooth-enabled devices of unique types. For example, a headset, and a PTT-Only Device (POD).

Refer to your respective Bluetooth-enabled device's user manual for more details on your Bluetooth-enabled device's full capabilities.

6.3.15.1
Finding and Connecting to a Bluetooth Device

Do not turn off your Bluetooth-enabled device during the finding and connecting operation as this cancels the operation.

The radio connects to the Bluetooth-enabled device within range with either the strongest signal strength, or to one which it has connected to before in a prior session.

1 Turn on your Bluetooth-enabled device and place it in pairing mode. Refer to respective Bluetooth-enabled device user manual.

2 On your radio, press the programmed **Bluetooth Connect** button.

A tone sounds and LED blinks yellow.

3 Your Bluetooth-enabled device may require additional steps to complete the pairing. Refer to respective Bluetooth-enabled device user manual.

If successful, a positive indicator tone sounds.

If unsuccessful, a negative indicator tone sounds.

NOTE:
A pin code may be required to be programmed in your radio before it can pair with some devices. Contact your dealer for more information.

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6.3.15.2
Disconnecting from a Bluetooth Device

On your radio, press the programmed **Bluetooth Disconnect** button.

A positive indicator tone sounds when disconnected.

6.3.15.3
Switching Audio Route between Internal Radio Speaker and Bluetooth Device

You can toggle audio routing between internal radio speaker and external Bluetooth-enabled accessory.

Press the programmed **Bluetooth Audio Switch** button.

A tone sounds when the audio route has switched.

6.3.15.4

Permanent Bluetooth Discoverable Mode

NOTE:
The Permanent Bluetooth Discoverable Mode can only be enabled by using the MOTOTRBO CPS. If enabled, you will **not** be able to use any Bluetooth programmable button features.

Other Bluetooth-enabled devices can locate your radio, but the devices cannot connect to the radio. It enables dedicated devices to use your radio position in the process of Bluetooth-based location.

Turn on your Bluetooth-enabled device and pair it with your radio. Refer to the respective user manual of Bluetooth-enabled device.

6.3.16
Wi-Fi Operation

This feature allows you to set up and connect to a Wi-Fi network. Wi-Fi supports updates for radio firmware,

codeplug, and resources such as language packs and voice announcement.

NOTE:
This feature is applicable to XPR 7350e/XPR 7380e Bluetooth and Wi-Fi models only.

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

Your radio supports WEP/WPA/WPA2-Personal and WPA/WPA2-Enterprise Wi-Fi networks.

WEP/WPA/WPA2-Personal Wi-Fi network
Uses pre-shared key (password) based authentication.

Pre-shared key can be entered by using the menu or CPS/RM.

WPA/WPA2-Enterprise Wi-Fi network
Uses certificate-based authentication.

Your radio must be pre-configured with a certificate.

NOTE:
Check with your dealer or system administrator to connect to WPA/WPA2-Enterprise Wi-Fi network.

The programmed **Wi-Fi On or Off** button is assigned by default. Check with your dealer or system administrator to determine how your radio has been programmed.

Voice Announcements for the programmed **Wi-Fi On or Off** button can be customized through CPS according to user requirements. Check with your dealer or system administrator for more information.

6.3.16.1
Turning Wi-Fi On or Off

Press the programmed **Wi-Fi On or Off** button. Voice Announcement sounds Turning On Wi-Fi or Turning Off Wi-Fi.

6.3.16.2
Connecting to a Network Access Point

When you turn on Wi-Fi, the radio scans and connects to a network access point.

✎ **NOTE:**
The programmed **Wi-Fi Status Query** button is assigned by your dealer or system administrator. Voice Announcements for the programmed **Wi-Fi Status Query** button can be customized according to user requirements by using CPS. Check with your dealer or system administrator to determine how your radio has been programmed.

The WPA-Enterprise Wi-Fi network access points are pre-configured. Check with your dealer or system administrator to determine how your radio has been programmed.

Press the programmed **Wi-Fi Status Query** button for the connection status using Voice Announcement.

Voice Announcement sounds when Wi-Fi is Off, Wi-Fi is On but No Connection, or Wi-Fi is On with Connection.

6.4
Utilities

This chapter explains the operations of the utility functions available in your radio.

6.4.1
Turning the Radio Tones/Alerts On or Off

You can enable and disable all radio tones and alerts (except for the incoming Emergency alert tone) if needed.

Press the programmed **All Tones/Alerts** button.

Tone heard ...	Indication
Positive Indicator tone	All tones and alerts are **ON**.
Negative Indicator tone	All tones and alerts are **OFF**.

6.4.2
Setting the Power Level

You can customize your radio power setting to high or low for each Connect Plus zone.

High enables communication with tower sites in Connect Plus mode located at a considerable distance from you. **Low** enables communication with tower sites in Connect Plus mode in closer proximity.

Press the programmed **Power Level** button.

Tone heard ...	Radio transmitting at ...
Positive Indicator tone	Low Power
Negative Indicator tone	High Power

6.4.3

Voice Announcement

This feature enables the radio to audibly indicate the current Zone or Channel the user has just assigned, or programmable button press. This audio indicator can be customized per customer requirements.

Press the programmed **Voice Announcement** button.

6.4.4
Setting the Text-to-Speech Feature

NOTE:
The Text-to-Speech feature can only be enabled by using the MOTOTRBO CPS. If enabled, the Voice Announcement feature is automatically disabled, and vice versa. Check with your dealer or system administrator for more information.

This feature enables the radio to audibly indicate the following features:

- Current Channel
- Current Zone

- Programmed button feature on or off

  - Press the programmed **Voice Announcement** button to toggle this feature on or off.

6.4.5
Checking the Battery Strength

You can check how much battery power you have left.

Press the programmed **Battery Strength** button to view the battery strength by using the LED indicator.

LED indicator	Indication
Solid Yellow	Radio has a fair battery charge.
Solid Green	Radio has a full battery charge.

6.4.6

Intelligent Audio

Your radio can automatically adjust its audio volume to overcome background noise in the environment, inclusive of all stationary and non-stationary noise sources. This feature is a Receive-only feature and does not affect Transmit audio.
Press the programmed **Intelligent Audio** button.

NOTE:
This feature is not applicable during a Bluetooth session.

See Authorized Accessories List *for recommended Bluetooth-enabled audio accessories with in-built Automatic Volume Control for similar performance.*

6.4.7
Turning the Acoustic Feedback Suppressor Feature On or Off

This feature allows you to minimize acoustic feedback in received calls.

Press the programmed **Acoustic Feedback Suppressor** button.

You hear a positive indicator tone, indicating that Acoustic Feedback Suppressor is now enabled.

You hear a negative indicator tone, indicating that the radio is unable to activate Acoustic Feedback Suppressor.

6.4.8
Turning GNSS On or Off

Global Navigation Satellite System (GNSS) is a satellite navigation system that determines the radio precise location. GNSS includes Global Positioning System (GPS), Global Navigation Satellite System (GLONASS), and BeiDou Navigation Satellite System (BDS).

NOTE:
Selected radio models may offer GPS, GLONASS, and BDS. GNSS constellation is configured by using CPS. Check with your dealer or system administrator to determine how your radio has been programmed.

Press the programmed **GNSS** button to toggle the feature on or off.

Other Systems

Features that are available to the radio users under this system are available in this chapter.

7.1
Push-To-Talk Button

The Push-to-Talk **(PTT)** button serves two basic purposes:

- While a call is in progress, the **PTT** button allows the radio to transmit to other radios in the call. The microphone is activated when the **PTT** button is pressed.

- While a call is not in progress, the **PTT** button is used to make a new call.

Long press the **PTT** button to talk. Release the **PTT** button to listen.

If the Talk Permit Tone is enabled, wait until the short alert tone ends before talking.

7.2

Programmable Buttons

Depending on the duration of a button press, your dealer can program the programmable buttons as shortcuts to radio functions.

Short press
Pressing and releasing rapidly.

Long press
Pressing and holding for the programmed duration.

> **NOTE:**
> See Emergency Operation on page 163 for more information on the programmed duration of the **Emergency** button.

7.2.1
Assignable Radio Functions

The following radio functions can be assigned to the programmable buttons.

Audio Toggle
Toggles audio routing between the internal radio speaker and the speaker of a wired accessory.

Battery Strength
Indicates battery strength by using the LED Indicator.

Bluetooth® Audio Switch

Toggles audio routing between internal radio speaker and external Bluetooth-enabled accessory.

Bluetooth Connect

Initiates a Bluetooth find-and-connect operation.

Bluetooth Disconnect

Terminates all existing Bluetooth connections between your radio and any Bluetooth-enabled devices.

Bluetooth Discoverable

Enables your radio to enter Bluetooth Discoverable Mode.

Call Forwarding 🏠

Toggles Call Forwarding on or off.

Channel Announcement

Plays zone and channel announcement voice messages for the current channel.

Emergency

Depending on the programming, initiates or cancels an emergency.

Intelligent Audio

Toggles intelligent audio on or off.

Manual Site Roam [2] 🔵

Starts the manual site search.

Mic AGC

Toggles the internal microphone automatic gain control (AGC) on or off.

Monitor

Monitors a selected channel for activity.

Nuisance Channel Delete[2]

Temporarily removes an unwanted channel, except for the Selected Channel, from the scan list. The Selected Channel refers to the selected zone or channel combination of the user from which scan is initiated.

One Touch Access 🔵

Directly initiates a predefined Private, Phone or Group Call, a Call Alert, a Quick Text message, or Home Revert.

Option Board Feature

Toggles option board feature(s) on or off for option board-enabled channels.

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[2] Not applicable in Capacity Plus.

Permanent Monitor[2]

Monitors a selected channel for all radio traffic until function is disabled.

Phone Exit 🌐

Ends a Phone Call.

Privacy 🌐

Toggles privacy on or off.

Repeater/Talkaround[2]

Toggles between using a repeater and communicating directly with another radio.

Reset Home Channel

Sets a new home channel.

Silence Home Channel Reminder

Mutes the Home Channel Reminder.

Scan [3]

Toggles scan on or off.

Site Info

Plays site announcement voice messages for the current site when Voice Announcement is enabled.

Site Lock[2] 🌐

When toggled on, the radio searches the current site only. When toggled off, the radio searches other sites in addition to the current site.

Telemetry Control

Controls the Output Pin on a local or remote radio.

Transmit Interrupt Remote Dekey

Stops an ongoing interruptible call to free the channel.

Trill Enhancement

Toggles trill enhancement on or off.

Voice Announcement On/Off

Toggles voice announcement on or off.

Voice Operating Transmission (VOX)

Toggles VOX on or off.

Wi-Fi

Toggles Wi-Fi on or off.

Zone Toggle

Allows radio user to toggle between Zone 1 and Zone 2.

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[3] Not applicable in Capacity Plus–Single-Site.

NOTE:
Bluetooth and Wi-Fi assignable functions are only for XPR 7350e/XPR 7380e Bluetooth and Wi-Fi models.

7.2.2
Assignable Settings or Utility Functions

The following radio settings or utility functions can be assigned to the programmable buttons.

Tones/Alerts
Toggles all tones and alerts on or off.

Power Level
Toggles transmit power level between high and low.

7.3
Status Indicators

This chapter explains the status indicators and audio tones used in the radio.

7.3.1

LED Indicators

LED indicators show the operational status of your radio.

Blinking Red
Radio is indicating a battery mismatch.

Radio has failed the self-test upon powering up.

Radio is receiving an emergency transmission.

Radio is transmitting in low battery state.

Radio has moved out of range if Auto-Range Transponder System is configured.

Mute Mode is enabled.

Solid Green
Radio is powering up.

Radio is transmitting.

Radio is sending a Call Alert or an emergency transmission.

Indicates full battery capacity when the programmed **Battery Strength** button is pressed.

Blinking Green
Radio is receiving a call or data.

Radio is retrieving Over-the-Air Programming transmissions.

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Radio is detecting activity over the air.

NOTE:
This activity may or may not affect the programmed channel of the radio due to the nature of the digital protocol.

There is no LED indication when the radio is detecting activity over the air in Capacity Plus.

Double Blinking Green
Radio is receiving a privacy-enabled call or data.

Solid Yellow
Radio is monitoring a conventional channel.

Indicates fair battery capacity when the programmed **Battery Strength** button is pressed.

Blinking Yellow
Radio is scanning for activity.

Radio has yet to respond to a Call Alert.

All Capacity Plus–Multi-Site channels are busy.

Double Blinking Yellow
Radio has Auto Roaming enabled.

Radio is actively searching for a new site.

Radio has yet to respond to a Group Call Alert.

Radio is locked.

Radio is not connected to the repeater while in Capacity Plus.

All Capacity Plus channels are busy.

7.3.2
Tones

The following are the tones that sound through on the radio speaker.

☐

High Pitched Tone

■

Low Pitched Tone

7.3.2.1
Indicator Tones

Indicator tones provide you with audible indications of the status after an action to perform a task is taken.
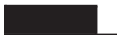
Positive Indicator Tone

Negative Indicator Tone

7.3.2.2
Audio Tones

Audio tones provide you with audible indications of the status, or response to data received on the radio.

Continuous Tone

A monotone sound. Sounds continuously until termination.

Periodic Tone

Sounds periodically depending on the duration set by the radio. Tone starts, stops, and repeats itself.

Repetitive Tone

A single tone that repeats itself until it is terminated by the user.

Momentary Tone

Sounds once for a short duration set by the radio.

7.4

Zone and Channel Selections

This chapter explains the operations to select a zone or channel on your radio. A zone is a group of channels.

Your radio supports up to 32 channels and 2 zones, with a maximum of 16 channels per zone.

Each channel can be programmed with different features and/or support different groups of users.

7.4.1
Selecting Zones

Follow the procedure to select the required zone on your radio.

Press the programmed **Zone Toggle** button.

One of the following tone sounds:
Positive Indicator Tone
Radio is in Zone 2.

Negative Indicator Tone
Radio is in Zone 1.

NOTE:
For all Non-keypad radio, you are recommended to enable Voice Announcement feature for selecting zone. The Voice Announcement feature can only be enabled through CPS.

7.4.2
Selecting Channels

Follow the procedure to select the required channel on your radio.

Turn the **Channel Selector** Knob to select the channel, subscriber ID, or group ID.

7.5
Calls

This chapter explains the operations to receive, respond to, make, and stop calls.

You can select a subscriber alias or ID, or group alias or ID after you have selected a channel by using one of these features:

Programmed One Touch Access Button
This method is used for Group, Private, and Phone Calls only.

You can only have one ID assigned to a **One Touch Access** button with a short or long programmable button press.

Programmable Button
This method is used for Phone Calls only.

7.5.1
Group Calls

Your radio must be configured as part of a group to receive a call from or make a call to the group of users.

7.5.1.1
Making Group Calls

Follow the procedure to make Group Calls on your radio.

1 Do one of the following:

- Select a channel with the active group alias or ID.

- Press the programmed **One Touch Access** button.

2 Press the **PTT** button to make the call.

The green LED lights up.

3 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

- 🔴 Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

4 Release the **PTT** button to listen.

The green LED lights up when the target radio responds.

5 🔵 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.

The call ends when there is no voice activity for a predetermined period.

7.5.1.2
Responding to Group Calls

To receive a call from a group of users, your radio must be configured as part of that group. Follow the procedure to respond to Group Calls on your radio.

When you receive a Group Call:

- The green LED blinks.

- Your radio unmutes and the incoming call sounds through the speaker.

1 Do one of the following:

- 🔵 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.

- 🔵 If the Voice Interrupt feature is enabled, press the **PTT** button to interrupt the audio from the transmitting radio and free the channel for you to respond.

The green LED lights up.

2 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

- 🔴 Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

3 Release the **PTT** button to listen.

The call ends when there is no voice activity for a predetermined period.

7.5.2
Private Calls 🔵

A Private Call is a call from an individual radio to another individual radio.

There are two ways to set up a Private Call. The first type sets up the call after performing a radio presence check, while the second type sets up the call immediately. Only one of these types can be programmed to your radio by your dealer.

7.5.2.1

Making Private Calls

Your radio must be programmed to initiate a Private Call. If this feature is not enabled, a negative indicator tone sounds when you initiate the call. Follow the procedure to make Private Calls on your radio.

1 Do one of the following:

- Select a channel with the active subscriber alias or ID.
- Press the programmed **One Touch Access** button.

2 Press the **PTT** button to make the call.

The green LED lights up.

3 Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

4 Release the **PTT** button to listen.

The green LED blinks when the target radio responds.

5 🔊 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.

The call ends when there is no voice activity for a predetermined period. A tone sounds.

7.5.2.2
Responding to Private Calls

Follow the procedure to respond to Private Calls on your radio.

When you receive a Private Call:

- The green LED blinks.

- Your radio unmutes and the incoming call sounds through the speaker.

  1 Do one of the following:

  - 🔊 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button,

indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.

- 🔊 If the Transmit Interrupt Remote Dekey feature is enabled, press the **PTT** button to stop an ongoing interruptible call and free the channel for you to respond.

The green LED lights up.

2 Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

3 Release the **PTT** button to listen.

The call ends when there is no voice activity for a predetermined period. A tone sounds.

7.5.3
All Calls

An All Call is a call from an individual radio to every radio on the channel. An All Call is used to make important announcements, requiring full attention from the user. The users on the channel cannot respond to an All Call.

7.5.3.1
Making All Calls

Your radio must be programmed for you to make an All
Call. Follow the procedure to make All Calls on your radio.

1 Select a channel with the active All Call group alias
or ID.

2 Press the **PTT** button to make the call.

The green LED lights up.

3 Do one of the following:

• Wait for the Talk Permit Tone to end and speak
clearly into the microphone if enabled.

• 🔴 Wait for the **PTT** Sidetone to end and speak
clearly into the microphone if enabled.

Users on the channel cannot respond to an All Call.

7.5.3.2
Receiving All Calls

When you receive an All Call:

• A tone sounds.

• The green LED blinks.

• Your radio unmutes and the incoming call sounds
through the speaker.

An All Call does not wait for a predetermined period before
ending.

🔵 If the Channel Free Indication feature is enabled, you
hear a short alert tone when the transmitting radio releases
the **PTT** button, indicating the channel is free for you to
use.

You cannot respond to an All Call.

> **NOTE:**
> The radio stops receiving the All Call if you switch to
> a different channel while receiving the call. You are
> **not** able to continue with any programmed button
> functions until the end of an All Call.

7.5.4
Selective Calls 🔴

A Selective Call is a call from an individual radio to another
individual radio. It is a Private Call on an analog system.

7.5.4.1
Making Selective Calls

Your radio must be programmed for you to initiate a Selective Call. Follow the procedure to make Selective Calls on your radio.

1   Select a channel with the active subscriber alias or ID.

2   Press the **PTT** button to make the call.

    The green LED lights up.

3   Do one of the following:

    • Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

    • 🔴 Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

4   Release the **PTT** button to listen.

    The green LED lights up when the target radio responds.

5   🔵 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.

    The call ends when there is no voice activity for a predetermined period.

7.5.4.2
Responding to Selective Calls 🔴

Follow the procedure to respond to Selective Calls on your radio.

When you receive a Selective Call:

• The green LED blinks.

• Your radio unmutes and the incoming call sounds through the speaker.

1   Press the **PTT** button to respond to the call.

    The green LED lights up.

2   Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

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3 Release the **PTT** button to listen.

The call ends when there is no voice activity for a predetermined period. A tone sounds.

7.5.5
Phone Calls ⓟ

A Phone Call is a call from an individual radio to a telephone.

If Phone Call capability is not enabled in your radio:

• Your radio mutes the call.

• Your radio returns to the previous screen when the call ends.

During the Phone Call, your radio attempts to end the call when:

• You press the **One Touch Access** button with the deaccess code preconfigured.

• You enter the deaccess code as the input for extra digits.

During channel access, access or deaccess code, or extra digits transmission, your radio responds to the **On/Off** ,

Volume Control, and **Channel Selector** buttons or knobs only. A tone sounds for every invalid input.

> 📝 **NOTE:**
> Check with your dealer or system administrator for more information.

7.5.5.1
Making Phone Calls ⓟ

Follow the procedure to make Phone Calls on your radio.

When you attempt to make or end a Phone Call without the access and deaccess codes preconfigured, the attempt fails and a negative indicator tone sounds.

1 Press the programmed **One Touch Access** button to the predefined alias or ID.

If the entry for the **One Touch Access** button is empty, a negative indicator tone sounds.

If successful:

• The (Dual Tone Multi Frequency) DMTF Tone sounds.

• You hear the dialling tone of the telephone user.

If unsuccessful:

- A negative indicator tone sounds.

- The phone call fails. Repeat this step.

2 Press the **PTT** button to make the call. Release the **PTT** button to listen.

3 Press the programmed **Phone Exit** button to end the call.

If end-call-setup is successful:

- A tone sounds.

If end-call-setup is unsuccessful:

- A negative indicator tone sounds.

- Repeat this step, or wait for the telephone user to end the call.

7.5.5.2
Responding to Phone Calls as Private Calls ⓟ

Follow the procedure to respond to Phone Calls as Private Calls on your radio.

When you receive a Phone Call as a Private Call:

- The green LED lights up.

- Your radio unmutes and the incoming call sounds through the speaker.

If Phone Call capability is not enabled on your radio, your radio mutes the call.

1 Press the **PTT** button to respond to the call. Release the **PTT** button to listen.

2 The call ends when there is no voice activity for a predetermined period.

A tone sounds.

7.5.5.3
Responding to Phone Calls as Group Calls ⓟ

Follow the procedure to respond to Phone Calls as Group Calls on your radio.

When you receive a Phone Call as a Group Call:

- The green LED blinks.

• Your radio unmutes and the incoming call sounds through the speaker.

If Phone Call capability is not enabled on your radio, your radio mutes the call.

1 Press the **PTT** button to respond to the call. Release the **PTT** button to listen.

2 The call ends when there is no voice activity for a predetermined period.

A tone sounds.

7.5.5.4
Responding to Phone Calls as All Calls ☺

When you receive a Phone Call as an All Call, you can respond to or end the call, only if an All Call type is assigned to the channel. Follow the procedure to respond to Phone Calls as All Calls on your radio.

If Phone Call capability is not enabled on your radio, your radio mutes the call.

1 Press the **PTT** button to respond to the call.

2 Release the **PTT** button to listen.

7.5.6
Initiating Transmit Interrupt ☺

An ongoing call is interrupted, when you perform the following actions:

• Press the **Voice PTT** button.
• Press the **Emergency** button.
• Perform data transmission.

7.5.7
Broadcast Voice Calls

A Broadcast Voice Call is a one-way voice call from any user to an entire talkgroup.

The Broadcast Voice Call feature allows only the call initiating user to transmit to the talkgroup, while the recipients of the call cannot respond (no Call Hang Time).

Your radio must be programmed to allow you to use this feature. Check with your dealer or system administrator for more information.

7.5.7.1
Making Broadcast Voice Calls

Program your radio to make Broadcast Voice Calls.

1 Select a channel with the active group alias or ID.

2 Do one of the following:

- Select a channel with the active group alias or ID.

- Press the programmed **One Touch Access** button.

3 Press the **PTT** button to make the call.

The green LED lights up.

4 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

- Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

    NOTE:
    Users on the channel cannot respond to Broadcast Voice Calls.

The radio returns to the previous menu after the call ends.

7.5.7.2
Making Broadcast Voice Calls by Using the Programmable Number Key

Follow the procedure to make Broadcast Voice Call on your radio by using the programmable number key.

1 On the **Home** screen, long press the programmed number key assigned to the predefined alias or ID.

If the number key is assigned to an entry in a particular mode, this feature is not supported when you long press the number key in another mode.

If the number key is not associated to an entry, a negative indicator tone sounds

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2 Press the **PTT** button to make the call.

The green LED lights up. The first text line shows the subscriber alias. The second text line shows the call status.

3 Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

Users on the channel cannot respond to a Broadcast Voice Call.

The radio returns to the previous menu after the call ends.

See Assigning Entries to Programmable Number Keys for more information.

7.5.7.3
Making Broadcast Voice Calls by Using the Alias Search 🖢

7.5.7.4

Receiving Broadcast Voice Calls

When you receive a Broadcast Voice Call:

• A tone sounds.

• The green LED blinks.

• Your radio unmutes and the incoming call sounds through the speaker.

A Broadcast Voice Call does not wait for a predetermined period before ending.

You cannot respond to a Broadcast Voice Call.

NOTE:
The radio stops receiving the Broadcast Voice Call if you switch to a different channel while receiving the call. You **cannot** continue with any programmed button functions until the end of the Broadcast Voice Call.

7.5.8
Unaddressed Calls

An Unaddressed Call is a group call to one of the 16 predefined group IDs.

This feature is configured using CPS-RM. A contact for one of the predefined IDs is required to initiate and/or receive

an Unaddressed Call. Check with your dealer or system administrator for more information.

7.5.8.1
Making Unaddressed Calls

1 Select a channel with the active group alias or ID.

2 Do one of the following:

- Select a channel with the active group alias or ID.

- Press the programmed **One Touch Access** button.

3 Press the **PTT** button to make the call.

The green LED lights up.

4 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

- Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

5 Release the **PTT** button to listen.

The green LED lights up when the target radio responds. A momentary tone sounds.

6 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating that the channel is free for you to respond. Press the **PTT** button to respond to the call.

The call ends when there is no voice activity for a predetermined period.
The call initiator can press the programmed **Cancel** button to end a Group Call.

7.5.8.2
Responding to Unaddressed Calls

When you receive an Unaddressed Call:

- The green LED blinks.

- A momentary tone sounds.

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• Your radio unmutes and the incoming call sounds through the speaker.

1 Do one of the following:

   • If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.

   • If the Voice Interrupt feature is enabled, press the **PTT** button to interrupt the audio from the transmitting radio and free the channel for you to respond.

   The green LED lights up.

2 Do one of the following:

   • Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

   • Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

3 Release the **PTT** button to listen.

The call ends when there is no voice activity for a predetermined period.

7.5.9
Open Voice Channel Mode (OVCM)

An Open Voice Channel Mode (OVCM) allows a radio that is not preconfigured to work in a particular system to both receive and transmit during a group or individual call.

The OVCM group call also supports broadcast calls. Program your radio to use this feature. Check with your dealer or system administrator for more information.

7.5.9.1
Making OVCM Calls

Your radio must be programmed for you to make an OVCM Call. Follow the procedure to make OVCM Calls on your radio.

1 Select a channel with the active group alias or ID.

2 Do one of the following:

   • Select a channel with the active group alias or ID.

- Press the programmed **One Touch Access** button.

3 Press the **PTT** button to make the call.

The green LED lights up.

4 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.
- Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

7.5.9.2
Responding to OVCM Calls

When you receive an OVCM Call:

- The green LED blinks.
- Your radio unmutes and the incoming call sounds through the speaker.

NOTE:

Recipient users are not allowed to Talkback during a Broadcast Call. If the **PTT** button is pressed during a Broadcast Call, the Talkback Prohibit Tone sounds momentarily.

1 Do one of the following:

- If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.
- If the Voice Interrupt feature is enabled, press the **PTT** button to interrupt the audio from the transmitting radio and free the channel for you to respond.

The green LED lights up.

2 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.
- Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

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3 Release the **PTT** button to listen.

The call ends when there is no voice activity for a predetermined period.

7.6
Advanced Features

This chapter explains the operations of the features available in your radio.

Your dealer or system administrator may have customized your radio for your specific needs. Check with your dealer or system administrator for more information.

7.6.1
Bluetooth®

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

Bluetooth operates within a range of 10 m (32ft) line of sight. This is an unobstructed path between your radio and your Bluetooth-enabled device. 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 device 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.

Your radio can support up to three simultaneous Bluetooth connections with Bluetooth-enabled devices of unique types. For example, a headset, a scanner, a sensor device, and a PTT-Only Device (POD).

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

Your radio connects to the Bluetooth-enabled device within range with either the strongest signal strength, or to one which it has connected to before in a prior session. Do not turn off your Bluetooth-enabled device or press the home

back button during the finding and connecting operation as this cancels the operation.

> **NOTE:**
> This feature is applicable to XPR 7350e/XPR 7380e Bluetooth and Wi-Fi models only.

7.6.1.1
Connecting to Bluetooth Devices

Follow the procedure to connect to Bluetooth devices.

Turn on your Bluetooth-enabled device and place it in pairing mode.

Press the programmed **Bluetooth Connect** button.

Your Bluetooth-enabled device may require additional steps to complete the pairing. Refer to the user manual of your Bluetooth-enabled device.

- A tone sounds.

- The yellow LED blinks.

Wait for acknowledgment.
If successful:

- A positive indicator tone sounds.

If unsuccessful:

- A negative indicator tone sounds.

7.6.1.2
Disconnecting from Bluetooth Devices

Follow the procedure to disconnect from Bluetooth devices.

Press the programmed **Bluetooth Disconnect** button.

A positive indicator tone sounds when the device has been disconnected.

7.6.1.3
Switching Audio Route between Internal Radio Speaker and Bluetooth Device

Follow the procedure to toggle audio routing between internal radio speaker and external Bluetooth device.

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Press the programmed **Bluetooth Audio Switch** button.

A tone sounds when the audio route has switched.

7.6.1.4
Permanent Bluetooth Discoverable Mode

The Permanent Bluetooth Discoverable Mode must be enabled by the dealer or system administrator.

Other Bluetooth-enabled devices can locate your radio, but the devices cannot connect to the radio. The Permanent Bluetooth Discoverable Mode enables dedicated devices to use your radio position in the process of Bluetooth-based location.

7.6.2

Multi-Site Control

Your radio is able to search for sites and switch between sites when signal is weak or your radio is unable to detect any signal from the current site.

When the signal is strong, the radio remains on the current site.

This setting is applicable when your current radio channel is part of an IP Site Connect or Capacity Plus–Multi-Site configuration.

Your radio can perform either one of the following site searches:

• Automatic Site Search
• Manual Site Search

If the current channel is a multi-site channel with an attached roam list and is out of range, and the site is unlocked, your radio also performs automatic site search.

7.6.2.1
Enabling Manual Site Search

Press the programmed **Manual Site Roam** button.

• A tone sounds.
• The green LED blinks.

If the radio finds a new site, your radio shows the following indications:

- A positive tone sounds.

- The LED extinguishes.

If the radio fails to find a new site, your radio shows the following indications:

- A negative tone sounds.

- The LED extinguishes.

7.6.2.2
Site Lock On/Off

When toggled on, the radio searches the current site only. When toggled off, the radio searches other sites in addition to the current site.

Press the programmed **Site Lock** button.

If the **Site Lock** function is toggled on:

- You hear a positive indicator tone, indicating the radio has locked to the current site.

If the **Site Lock** function is toggled off:

- You hear a negative indicator tone, indicating the radio is unlocked.

7.6.3
Talkaround

This feature allows you to continue communicating when your repeater is non-operational, or when your radio is out of range from the repeater but within the talk range of other radios.

The talkaround setting is retained even after powering down.

> **NOTE:**
> This feature is not applicable in Capacity Plus–Single-Site, Capacity Plus–Multi-Site, and Citizens Band channels that are in the same frequency.

7.6.3.1
Toggling Between Repeater and Talkaround Modes

Follow the procedure to toggle between Repeater and Talkaround modes on your radio.

Press the programmed **Repeater/Talkaround** button.

One of the following tones sounds:

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Positive Indicator Tone
Radio is in talkaround mode.

Negative Indicator Tone
Radio is in repeater mode.

7.6.4
Monitor Feature

The feature allows you to remotely activate the microphone of a target radio. You can use this feature to monitor any audible activity surrounding the target radio.

NOTE:
This feature is not applicable in Capacity Plus–Single-Site and Capacity Plus–Multi-Site.

7.6.4.1
Monitoring Channels

Follow the procedure to monitor channels.

1 Long press the programmed **Monitor** button.

If the channel is in use:

- You hear radio activity or total silence.

- The yellow LED lights up.

If the monitored channel is free, you hear a "white noise".

2 Press the **PTT** button to talk. Release the **PTT** button to listen.

7.6.4.2
Permanent Monitor

The Permanent Monitor feature is used to continuously monitor a selected channel for activity.

7.6.4.2.1
Turning Permanent Monitor On or Off

Follow the procedure to turn Permanent Monitor on or off on your radio.

Press the programmed **Permanent Monitor** button.

When the radio enters the mode:

- An alert tone sounds.

- The yellow LED lights up.

When the radio exits the mode:

- An alert tone sounds.

- The yellow LED turns off.

7.6.5
Home Channel Reminder

This feature provides a reminder when the radio is not set to the home channel for a period of time.

If this feature is enabled through CPS, when your radio is not set to the home channel for a period of time, the following occurs periodically:

- The Home Channel Reminder tone and announcement sound.

7.6.5.1
Muting the Home Channel Reminder

When the Home Channel Reminder sounds, you can temporarily mute the reminder.

Press the programmed **Silence Home Channel Reminder** button.

7.6.5.2
Setting New Home Channels

When the Home Channel Reminder occurs, you can set a new home channel.

Press the **Reset Home Channel** programmable button to set the current channel as the new Home Channel.

7.6.6
Remote Monitor

This feature is used to turn on the microphone of a target radio with a subscriber alias or ID. You can use this feature to remotely monitor any audible activity surrounding the target radio.

Both your radio and the target radio must be programmed to allow you to use this feature.

This feature stops after a programmed duration or when there is any user operation on the target radio.

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7.6.6.1
Initiating Remote Monitor

Follow the procedure to initiate Remote Monitor on your radio.

1 Press the programmed **Remote Monitor** button.

2 Wait for acknowledgment.

If successful:

• A positive indicator tone sounds.

If unsuccessful:

• A negative indicator tone sounds.

7.6.7
Scan Lists

Scan lists are created and assigned to individual channels or groups. Your radio scans for voice activity by cycling through the channel or group sequence specified in the scan list for the current channel or group.

Your radio can support up to 250 scan lists, with a maximum of 16 members in a list.

Each scan list supports a mixture of both analog and digital entries.

> **NOTE:**
> This feature is not applicable in Capacity Plus.

7.6.8
Scan

Your radio cycles through the programmed scan list for the current channel looking for voice activity when you start a scan.

> **NOTE:**
> This feature is not applicable in Capacity Plus.

During a dual-mode scan, if you are on a digital channel, and your radio locks onto an analog channel, it automatically switches from digital mode to analog mode for the duration of the call. This is also true for the reverse.

There are two ways of initiating scan:
Main Channel Scan (Manual)
Your radio scans all the channels or groups in your scan list. On entering scan, your radio may, depending on the settings, automatically start on the last scanned active channel or group, or on the channel where scan was initiated.

Auto Scan (Automatic)

Your radio automatically starts scanning when you select a channel or group that has Auto Scan enabled.

7.6.8.1
Turning Scan On or Off

Follow the procedure to turn scan on or off on your radio.

Do one of the following:

- Press the programmed **Scan** button to start or stop Scan.

- Turn the **Channel Selector Knob** to select a channel programmed with Auto Scan enabled.

If scan is enabled:

- The yellow LED blinks.

- A positive indicator tone sounds.

If scan is disabled:

- The LED turns off.

- A negative indicator tone sounds.

7.6.8.2

Responding to Transmissions During Scanning

During scanning, your radio stops on a channel or group where activity is detected. The radio stays on that channel for a programmed duration known as hang time. Follow the procedure to respond to transmissions during scanning.

1 🔵 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button during hang time.

The green LED lights up.

2 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

- 🔴 Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

3 Release the **PTT** button to listen.

The radio returns to scanning other channels or groups if you do not respond within the hang time.

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7.6.8.3
Deleting Nuisance Channels

If a channel continually generates unwanted calls or noise, (termed a "nuisance" channel), you can temporarily remove the unwanted channel from the scan list. This capability does not apply to the channel designated as the Selected Channel. Follow the procedure to delete nuisance channels on your radio.

1 When your radio locks on to an unwanted or nuisance channel, press the programmed **Nuisance Channel Delete** button until you hear a tone.

2 Release the programmed **Nuisance Channel Delete** button.

The nuisance channel is deleted.

7.6.8.4
Restoring Nuisance Channels

Follow the procedure to restore nuisance channels on your radio.

Do one of the following:

- Turn the radio off and then power it on again.

- Change the channel using the **Channel Selector Knob**.

7.6.9
Vote Scan

Vote Scan provides you with wide area coverage in areas where there are multiple base stations transmitting identical information on different analog channels.

Your radio scans analog channels of multiple base stations and performs a voting process to select the strongest received signal. Once that is established, your radio receives transmissions from that base station.

During a vote scan, the yellow LED blinks.

To respond to a transmission during a vote scan, see Responding to Transmissions During Scanning on page 157.

7.6.10
Call Indicator Settings

This feature allows you to configure call or text message ringing tones.

7.6.10.1
Selecting a Ring Alert Type

✎ **NOTE:**
The programmed **Ring Alert Type** button is assigned by your dealer or system administrator. Check with your dealer or system administrator to determine how your radio has been programmed.

You can program the radio calls to one predetermined vibrate call.

The radio vibrates once if it is a momentary ring style. The radio vibrates repetitively if it is a repetitive ring style. When set to Ring and Vibrate, the radio sounds a specific ring tone if there is any incoming radio transaction (for example, Call Alert or Message). It sounds like a positive indicator tone or missed call.

For radios with batteries that support the vibrate feature and are attached to a vibrating belt clip, the available Ring Alert Type options are Silent, Ring, Vibrate, and Ring and Vibrate.

For radios with batteries that do not support the vibrate feature and are not attached to a vibrating belt clip, Ring Alert Type is automatically set to Ring. If you press the programmed **Ring Alert Type** button, a bad key tone sounds, indicating the multiple Ring Alert Type options are disabled.

You can select a Ring Alert Type by performing the following action.

- Press the programmed **Ring Alert Type** button to toggle Voice Announcement or Text-to-Speech, and the radio behavior to the following options.

  - For Silent, Voice Announcement or Text-to-Speech sounds **Ring Alert Type Silent** only.

  - For Ring Only, Voice Announcement or Text-to-Speech sounds **Ring Alert Type** and the radio sounds a ring tone.

  - For Vibrate Only, Voice Announcement or Text-to-Speech sounds **Ring Alert Type** and the radio vibrates.

- For Ring and Vibrate, Voice Announcement or Text-to-Speech sounds **Ring Alert Type** and the radio sounds a ring tone and vibrates.

7.6.10.2
Configuring Vibrate Style

NOTE:
The programmed **Vibrate Style** button is assigned by your dealer or system administrator. Check with your dealer or system administrator to determine how your radio has been programmed.

Vibrate Style is enabled when the Vibrating Belt Clip is attached to the radio with a battery that supports the vibrate feature.

You can configure the vibrate style by performing the following action.

- Press the programmed **Vibrate Style** button to toggle to short, medium, or long option and the radio vibrates accordingly. Voice Announcement or Text-to-Speech sounds **Vibrate Style**.

7.6.10.3

Escalating Alarm Tone Volume

The radio can be programmed to continually alert, when a radio call remains unanswered. This is done by automatically increasing the alarm tone volume over time. This feature is known as Escalert.

7.6.11
Call Alert Operation

Call Alert paging enables you to alert a specific radio user to call you back.

This feature is accessible using a programmed **One Touch Access** button.

7.6.11.1
Responding to Call Alerts

When you receive a Call Alert:

- A repetitive tone sounds.
- The yellow LED blinks.

> Press the **PTT** button within 4 seconds of receiving a Call Alert page to respond with a Private Call.

7.6.11.2
Making Call Alerts

Follow the procedure to make Call Alerts on your radio.

1 Press the programmed **One Touch Access** button.

The green LED lights up.

2 Wait for acknowledgment.

If the Call Alert acknowledgment is received, a positive indicator tone sounds.

If the Call Alert acknowledgment is not received, a negative indicator tone sounds.

7.6.12
Mute Mode

Mute Mode provides an option to silence all audio indicators on your radio.

When Mute Mode is initiated, all audio indicators are muted except higher priority features such as emergency operations.

When Mute Mode is exited, your radio resumes playing ongoing tones and audio transmissions.

> **IMPORTANT:**
> You can only enable either Face Down or Man Down one at a time. Both features cannot be enabled together.

7.6.12.1
Turning On Mute Mode

Follow the procedure to turn on Mute Mode.

Do one of the following:

- Access this feature by using the programmed **Mute Mode** button.
- Access this feature by placing the radio in a face-down position momentarily.

Depending on radio model, the Face Down feature can be enabled either through the radio menu or by

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your system administrator. Check with your dealer or system administrator for more information.

IMPORTANT:
User can only enable either Man Down or Face Down at a time. Both features cannot be enabled together.

NOTE:
Face Down feature is applicable to XPR 7350e/XPR 7380e only.

The following occurs when Mute mode is enabled:

- Positive Indicator Tone sounds.
- The red LED light starts blinking and remains blinking until Mute Mode is exited.
- Radio is muted.
- Mute Mode Timer begins counting down the duration that is configured.

7.6.12.2
Exiting Mute Mode

This feature can be exited automatically once the Mute Mode Timer expires.

Do one of the following to exit Mute mode manually:

- Press the programmed **Mute Mode** button.
- Press the **PTT** button on any entry.
- Place the radio in a face-up position momentarily.

NOTE:
Face Down feature is applicable to XPR 7350e/XPR 7380e only.

The following occurs when Mute mode is disabled:

- Negative Indicator Tone sounds.
- The blinking red LED turns off.
- Your radio unmutes and speaker state is restored.
- If the timer has not expired, Mute mode timer is stopped.

NOTE:
Mute Mode is also exited if the user transmits voice or switches to an unprogrammed channel.

7.6.13
Emergency Operation

An Emergency Alarm is used to indicate a critical situation. You are able to initiate an Emergency at any time even when there is activity on the current channel.

Your dealer can set the duration of a button press for the programmed **Emergency** button, except for long press, which is similar with all other buttons:

Short Press
Duration between 0.05 seconds and 0.75 seconds.

Long Press
Duration between 1.00 second and 3.75 seconds.

The **Emergency** button is assigned with the Emergency On/Off feature. Check with your dealer for the assigned operation of the **Emergency** button.

NOTE:
If a short press to the **Emergency** button initiates Emergency mode, then a long press to the same enables the radio to exit Emergency mode.

If a long press to the **Emergency** button initiates Emergency mode, then a short press to the same enables the radio to exit Emergency mode.

Your radio supports three Emergency Alarms:

- Emergency Alarm
- Emergency Alarm with Call
- Emergency Alarm with Voice to Follow 🔵

NOTE:
Only one of the Emergency Alarms above can be assigned to the programmed **Emergency** button.

In addition, each alarm has the following types:

Regular
Radio transmits an alarm signal and shows audio and/or visual indicators.

Silent
Radio transmits an alarm signal without any audio or visual indicators. Radio receives calls without any sound through the speaker, until the programmed *hot mic* transmission period is over and/or you press the **PTT** button.

Silent with Voice
Radio transmits an alarm signal without any audio or visual indicators, but allow incoming calls to sound through the speaker. If *hot mic* is enabled, the incoming calls sound through the speaker after the programmed *hot mic* transmission period is over. The indicators only appear once you press the **PTT** button.

7.6.13.1
Sending Emergency Alarms

This feature allows you to send an Emergency Alarm, a non-voice signal, which triggers an alert indication on a group of radios. Your radio does not display any audio or visual indicators during Emergency mode when it is set to Silent.

Follow the procedure to send Emergency Alarms on your radio.

1 Press the programmed **Emergency On** button.

The green LED lights up.

> ✎ **NOTE:**
> If programmed, the Emergency Search tone sounds. This tone is muted when the radio transmits or receives voice, and stops when the radio exits Emergency mode. The Emergency Search tone can be programmed through CPS.

2 Wait for acknowledgment.

If successful:

• The Emergency tone sounds.

• The red LED blinks.

If unsuccessful after all retries have been exhausted:

• A low-pitched tone sounds.

The radio exits the Emergency Alarm mode.

7.6.13.2
Sending Emergency Alarms with Call

This feature allows you to send an Emergency Alarm with Call to a group of radios. Upon acknowledgement by a radio within the group, the group of radios can communicate over a programmed Emergency channel.

Follow the procedure to send Emergency Alarms with call on your radio.

1 Press the programmed **Emergency On** button.

The green LED lights up.

> **NOTE:**
> If programmed, the Emergency Search tone sounds. This tone is muted when the radio transmits or receives voice, and stops when the radio exits Emergency mode. The Emergency Search tone can be programmed by your dealer or system administrator.

2 Wait for acknowledgment.

If successful:

- The Emergency tone sounds.

- The red LED blinks.

3 Press the **PTT** button to make the call.

The green LED lights up.

4 Do one of the following:

- Wait for the Talk Permit Tone to end and speak clearly into the microphone if enabled.

- 🔴 Wait for the **PTT** Sidetone to end and speak clearly into the microphone if enabled.

5 Release the **PTT** button to listen.

6 🔵 If the Channel Free Indication feature is enabled, you hear a short alert tone the moment the transmitting radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond to the call.

7 To exit the Emergency mode once the call ends, press the **Emergency Off** button.

7.6.13.3
Emergency Alarms with Voice to Follow

This feature allows you to send an Emergency Alarm with Voice to Follow to a group of radios. Your radio microphone is automatically activated, allowing you to communicate with the group of radios without pressing the **PTT** button. This activated microphone state is also known as *hot mic*.

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If your radio has Emergency Cycle Mode enabled, repetitions of *hot mic* and receiving period are made for a programmed duration. During Emergency Cycle Mode, received calls sound through the speaker.

If you press the **PTT** button during the programmed receiving period, you hear a prohibit tone, indicating that you should release the **PTT** button. The radio ignores the **PTT** button press and remains in Emergency mode.

If you press the **PTT** button during *hot mic*, and continue to press it after the *hot mic* duration expires, the radio continues to transmit until you release the **PTT** button.

If the Emergency Alarm request fails, the radio does not retry to send the request, and enters the *hot mic* state directly.

NOTE:
Some accessories may not support *hot mic*. Check with your dealer or system administrator for more information.

7.6.13.4

Sending Emergency Alarms with Voice to Follow

1 Press the programmed **Emergency On** button.

The green LED lights up.

2 Once the Emergency tone sounds, speak clearly into the microphone.

The radio automatically stops transmitting when:

- The cycling duration between *hot mic* and receiving calls expires, if Emergency Cycle Mode is enabled.

- The *hot mic* duration expires, if Emergency Cycle Mode is disabled.

7.6.13.5
Receiving Emergency Alarms

When you receive an Emergency Alarm:

- A tone sounds.

• The red LED blinks.

NOTE:
Your radio automatically acknowledges the Emergency Alarm (if enabled).

To return to home screen, perform the following actions:

a Press 🔙.

b Press ▲ or ▼ to `Yes`.

c Press 🔳 to select.

The radio returns to the home screen and the display shows the Emergency icon.

7.6.13.6
Exiting Emergency Mode After Receiving the Emergency Alarm

Do one of the following to exit Emergency mode after receiving Emergency alarm:

• Change the channel.

• Press the **Emergency Off** button.

• Power down the radio.

7.6.13.7
Reinitiating Emergency Mode

Perform one of the following actions:

• Change the channel while the radio is in Emergency mode.

NOTE:
You can reinitiate emergency mode only if you enable emergency alarm on the new channel.

• Press the programmed **Emergency On** button during an emergency initiation or transmission state.

The radio exits the Emergency mode, and reinitiates Emergency.

7.6.13.8
Exiting Emergency Mode

This feature is only applicable to the radio sending the Emergency Alarm.

Your radio exits Emergency mode when:

- An acknowledgment is received (for Emergency Alarm only).
- All retries to send the alarm have been exhausted.
- Your radio is turned off.

  NOTE:
  Your radio does not reinitiate the Emergency mode automatically when it is powered up again.

Follow the procedure to exit Emergency mode on your radio.

  Do one of the following:

  - Press the programmed **Emergency Off** button.
  - Turn off the radio and then, power it on again, if your radio has been programmed to remain on the Emergency Revert channel even after acknowledgment is received.

- Change the channel to a new channel that has no emergency system configured.

7.6.14
Man Down

  NOTE:
  Man Down feature is applicable to only XPR 7350e/XPR 7380e .

This feature prompts an emergency to be raised if there is a change in the motion of the radio, such as the tilt of the radio, motion and/or the lack of motion for a predefined time.

Following a change in the motion of the radio for a programmed duration, the radio pre-warns the user with an audio indicator indicating that a change in motion is detected.

If there is still no acknowledgment by the user before the predefined reminder timer expires, the radio initiates an Emergency Alarm or an Emergency Call. You can program the reminder timer by using CPS.

7.6.14.1
Turning the Man Down Feature On or Off

NOTE:
The programmed **Man Down** button and Man Down settings are configured using CPS. Check with your dealer or system administrator to determine how your radio has been programmed.

If you disable the Man Down feature, the programmed alert tone sounds repeatedly until the Man Down feature is enabled. A device failure tone sounds when the Man Down feature fails while powering up. The device failure tone continues until the radio resumes normal operation.

You can enable or disable this feature by performing the following action.

- Press the programmed **Man Down** button to toggle the feature on or off.

7.6.15
Text Messaging

Your radio is able to receive data, for example a text message, from another radio or a text message application.

There are two types of text messages, Digital Mobile Radio (DMR) Short Text Message and text message. The maximum length of a DMR Short Text Message is 23 characters. The maximum length of a text message is 280 characters, including the subject line. The subject line only appears when you receive messages from e-mail applications.

NOTE:
The maximum character length is only applicable for models with the latest software and hardware. For radio models with older software and hardware, the maximum length of a text message is 140 characters. Contact your dealer for more information.

7.6.15.1
Quick Text Messages ⓜ

Your radio supports Quick Text messages as programmed by your dealer.

7.6.15.1.1
Sending Quick Text Messages ⓜ

Follow the procedure to send predefined Quick Text messages on your radio to a predefined alias.

1 Press the programmed **One Touch Access** button.

2 Wait for acknowledgment.

If successful:

- The green LED lights up.

- A positive indicator tone sounds.

If unsuccessful:

- A negative indicator tone sounds.

7.6.16
Privacy ⏣

This feature helps to prevent eavesdropping by unauthorized users on a channel by the use of a software-based scrambling solution. The signaling and user identification portions of a transmission are not scrambled.

Your radio must have privacy enabled on the channel to send a privacy-enabled transmission, although this is not a necessary requirement for receiving a transmission. While on a privacy-enabled channel, the radio is still able to receive clear or unscrambled transmissions.

Some radio models may not offer Privacy feature, or may have a different configuration. Check with your dealer or system administrator for more information.

Your radio supports the following types of privacy, but only one can be assigned to your radio. They are:

- Basic Privacy

- Enhanced Privacy

To unscramble a privacy-enabled call or data transmission, your radio must be programmed to have the same Privacy Key for Basic Privacy, or the same Key Value and Key ID for Enhanced Privacy as the transmitting radio.

If your radio receives a scrambled call that is of a different Privacy Key, or different Key Value and Key ID, you either hear a garbled transmission for Basic Privacy or nothing at all for Enhanced Privacy.

On a privacy-enabled channel, your radio is able to receive clear or unscrambled calls, depending on how your radio is programmed. In addition, your radio may play a warning tone or not, depending on how it is programmed.

The green LED lights up when the radio is transmitting, and blinks rapidly when the radio is receiving an ongoing privacy-enabled transmission.

NOTE:
This feature is not applicable in Citizens Band channels that are in the same frequency.

7.6.16.1
Turning Privacy On or Off

Follow the procedure to turn privacy on or off on your radio.

Press the programmed **Privacy** button.

7.6.17
Lone Worker

This feature prompts an emergency to be raised if there is no user activity, such as any radio button press or channel selection, for a predefined time.

Following no user activity for a programmed duration, the radio pre-warns you using an audio indicator once the inactivity timer expires.

If there is still no acknowledgment by you before the predefined reminder timer expires, the radio initiates an Emergency Alarm.

Only one of the following Emergency Alarms is assigned to this feature:

- Emergency Alarm
- Emergency Alarm with Call
- Emergency Alarm with Voice to Follow

The radio remains in the emergency state, allowing voice messages to proceed until action is taken. See Emergency Operation on page 163 for more information on ways to exit Emergency.

NOTE:
Check with your dealer or system administrator for more information.

7.6.18
Password Lock

You can set a password to restrict access to your radio. Each time you turn on your radio, you are asked to enter the password.

Your radio supports a 4-digit password input.

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Your radio is unable to receive calls in locked state.

7.6.18.1
Accessing the Radio by Using Password

Turn on your radio.

1 Enter the four-digit password.

    a To enter the first digit of the password, use the **Channel Selector Knob**.

    b To enter each digit of the remaining three digits of the password, press Side Button 1, 2, or 3.

2 Your radio automatically checks the validity of the password when you enter the last digit of the password.

If you enter the password correctly, the radio powers up.

If you enter the wrong password after the first and second attempt, your radio shows the following indications:

• A continuous tone sounds.

Repeat step 1.

If you enter the wrong password after the third attempt, your radio shows the following indications:

• A tone sounds.

• The yellow LED double blinks.

• Your radio enters into locked state for 15 minutes.

Wait for the 15-minute locked state timer to end and then repeat step 1.

NOTE:
If you turn off and turn your radio on again, the 15-minute timer restarts.

7.6.18.2
Unlocking Radios in Locked State

Your radio is unable to receive calls in locked state. Follow the procedure to unlock your radio in locked state.

Do one of the following:

• If the radio is powered on, wait for 15 minutes and then repeat the steps in Accessing the Radio by Using Password on page 80 to access the radio.

• If the radio is powered off, power up the radio. Your radio restarts the 15-minute timer for locked state. A tone sounds. The yellow LED double blinks.

Wait for 15 minutes and then repeat the steps in Accessing the Radio by Using Password on page 80 to access the radio.

7.6.19
Auto-Range Transponder System ⊙

The Auto-Range Transponder System (ARTS) is an analog-only feature designed to inform you when your radio is out-of-range of other ARTS-equipped radios.

ARTS-equipped radios transmit or receive signals periodically to confirm that they are within range of each other.

Your radio provides indications of states as follows:

First-Time Alert
A tone sounds.

ARTS-in-Range Alert
A tone sounds, if programmed.

ARTS-Out-of-Range Alert
A tone sounds. The red LED rapidly blinks.

NOTE:
Check with your dealer or system administrator for more information.

7.6.20
Over-the-Air Programming ⊙

Your dealer can remotely update your radio through Over-the-Air Programming (OTAP) without any physical connection. Additionally, some settings can also be configured by using OTAP.

When your radio undergoes OTAP, the green LED blinks.

When your radio receives high volume data:

• The channel becomes busy.

• A negative tone sounds if you press the **PTT** button.

Once the programming update is complete, a tone sounds, and your radio restarts (powers off and on again).

If the programming update is unsuccessful, a tone sounds and the red LED blinks once.

NOTE:
If the programming update is unsuccessful, the software update failure indications appear every time you turn on your radio. Contact your dealer to reprogram your radio with the latest software to eliminate the software update failure indications.

7.6.21
Wi-Fi Operation

This feature allows you to set up and connect to a Wi-Fi network. Wi-Fi supports updates for radio firmware, codeplug, and resources such as language packs and voice announcement.

> **NOTE:**
> This feature is applicable to XPR 7350e/XPR 7380e Bluetooth and Wi-Fi models only.

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

Your radio supports WEP/WPA/WPA2-Personal and WPA/WPA2-Enterprise Wi-Fi networks.

WEP/WPA/WPA2-Personal Wi-Fi network
Uses pre-shared key (password) based authentication.

Pre-shared key can be entered by using the menu or CPS/RM.

WPA/WPA2-Enterprise Wi-Fi network
Uses certificate-based authentication.

Your radio must be pre-configured with a certificate.

> **NOTE:**
> Check with your dealer or system administrator to connect to WPA/WPA2-Enterprise Wi-Fi network.

The programmed **Wi-Fi On or Off** button is assigned by default. Check with your dealer or system administrator to determine how your radio has been programmed.

Voice Announcements for the programmed **Wi-Fi On or Off** button can be customized through CPS according to user requirements. Check with your dealer or system administrator for more information.

7.6.21.1
Turning Wi-Fi On or Off

Press the programmed **Wi-Fi On or Off** button. Voice Announcement sounds Turning On Wi-Fi or Turning Off Wi-Fi.

7.6.21.2
Connecting to a Network Access Point

When you turn on Wi-Fi, the radio scans and connects to a network access point.

✎ **NOTE:**
The programmed **Wi-Fi Status Query** button is assigned by your dealer or system administrator. Voice Announcements for the programmed **Wi-Fi Status Query** button can be customized according to user requirements by using CPS. Check with your dealer or system administrator to determine how your radio has been programmed.

The WPA-Enterprise Wi-Fi network access points are pre-configured. Check with your dealer or system administrator to determine how your radio has been programmed.

Press the programmed **Wi-Fi Status Query** button for the connection status using Voice Announcement.

Voice Announcement sounds when Wi-Fi is Off, Wi-Fi is On but No Connection, or Wi-Fi is On with Connection.

7.7
Utilities

This chapter explains the operations of the utility functions available in your radio.

7.7.1
Checking Battery Strength

Follow the procedure to check the battery level of your radio.

Press the programmed **Battery Strength** button.

One of the following occurs:

- The LED lights up solid yellow indicating fair battery capacity.
- The LED lights up solid green indicating full battery capacity.
- The LED blinks red indicating low battery capacity.

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7.7.2
Flexible Receive List ⊚

Flexible Receive List is a feature that allows you to create and assign members on the receive talkgroup list. Your radio can support a maximum of 16 members in the list. This feature is supported in Capacity Plus.

7.7.2.1
Turning Flexible Receive List On or Off

Follow the procedure to turn Flexible Receive List on or off.

Press the programmed **Flexible Receive List** button.

If enabled:

- The LED blinks yellow.
- A positive indicator tone sounds.

If disabled:

- The LED turns off.
- A negative indicator tone sounds.

7.7.3

Text-to-Speech

The Text-to-Speech feature can only be enabled by your dealer. If Text-to-Speech is enabled, the Voice Announcement feature is automatically disabled. If Voice Announcement is enabled, then the Text-to-Speech feature is automatically disabled.

This audio indicator can be customized per customer requirements.

7.7.3.1
Setting Text-to-Speech

Follow the procedure to set the Text-to-Speech feature.

Press the programmed **Text-to-Speech** button to listen to the received text message.

7.7.4
Turning Acoustic Feedback Suppressor On or Off ⊚

The feature allows you to minimize acoustic feedback in received calls. Follow the procedure to turn Acoustic Feedback Suppressor on or off on your radio.

Press the programmed **AF Suppressor** button.

7.7.5
Turning Global Navigation Satellite System On or Off

Global Navigation Satellite System (GNSS) is a satellite navigation system that determines the radio precise location. GNSS includes Global Positioning System (GPS), Global Navigation Satellite System (GLONASS), and BeiDou Navigation Satellite System (BDS).

NOTE:
Selected radio models may offer GPS, GLONASS, and BDS. GNSS constellation is configured by using CPS. Check with your dealer or system administrator to determine how your radio has been programmed.

Press the programmed **GNSS** button to toggle GNSS on or off on your radio.

7.7.6

Turning Radio Tones/Alerts On or Off

You can enable and disable all radio tones and alerts, if needed, except for incoming Emergency alert tone . Follow the procedure to turn tones and alerts on or off on your radio.

Press the programmed **All Tones/Alerts** button.

If successful:

- The Positive Indicator Tone sounds.

- All tones and alerts are turned on.

If unsuccessful:

- The Negative Indicator Tone sounds.

- All tones and alerts are turned off.

7.7.7
Power Levels

You can customize the power setting to high or low for each channel.

High

This enables communication with radios located at a considerable distance from you.

Low

This enables communication with radios in closer proximity.

7.7.7.1
Setting Power Levels

Follow the procedure to set the power levels on your radio.

Press the programmed **Power Level** button.

If successful:

- The Positive Indicator Tone sounds.

- Radio transmits at low power.

If unsuccessful:

- The Negative Indicator Tone sounds.

- Radio transmits at high power.

7.7.8

Voice Operating Transmission

The Voice Operating Transmission (VOX) allows you to initiate a hands-free voice-activated call on a programmed channel. The radio automatically transmits, for a programmed period, whenever the microphone on the VOX-capable accessory detects voice.

NOTE:
This feature is not applicable in Citizens Band channels that are in the same frequency.

You can enable or disable VOX by doing one of the following:

- Turn the radio off and then power it on again to enable VOX.

- Change the channel by using the **Channel Selector** knob to enable VOX.

- Turn VOX on or off by using the programmed **VOX** button.

- Press the **PTT** button during radio operation to disable VOX.

NOTE:
Turning this feature on or off is limited to radios with this function enabled. Check with your dealer or system administrator for more information.

7.7.8.1
Turning Voice Operating Transmission On or Off

Follow the procedure to turn VOX on or off on your radio.

> Press the programmed **VOX** button to toggle the feature on or off.

✏️ **NOTE:**
If the Talk Permit Tone is enabled, use a trigger word to initiate the call. Wait for the Talk Permit Tone to finish before speaking clearly into the microphone. See Turning Talk Permit Tone On or Off for more information.

7.7.9
Turning Option Board On or Off

Option board capabilities within each channel can be assigned to programmable buttons. Follow the procedure to turn option board on or off on your radio.

> Press the programmed **Option Board** button.

7.7.10

Turning Voice Announcement On or Off

This feature enables the radio to audibly indicates the current zone or channel the user has just assigned, or the programmable button the user has just pressed.

This audio indicator can be customized according to customer requirements. Follow the procedure to turn Voice Announcement on or off on your radio.

> Press the programmed **Voice Announcement** button.
>
> If successful:

- The Positive Indicator Tone sounds.
- All tones and alerts are turned on.

> If unsuccessful:

- The Negative Indicator Tone sounds.
- All tones and alerts are turned off.

7.7.11
Switching Audio Route between Internal Radio Speaker and Wired Accessory

Follow the procedure to toggle audio routing between internal radio speaker and wired accessory.

You can toggle audio routing between the internal radio speaker and the speaker of a wired accessory with the condition that:

• The wired accessory with speaker is attached.

• The audio is not routed to an external Bluetooth accessory.

>   Press the programmed **Audio Toggle** button.

A tone sounds when the audio route has switched.

Powering down the radio or detaching the accessory resets the audio routing to the internal radio speaker.

7.7.12

Turning Intelligent Audio On or Off

Your radio automatically adjusts the audio volume to overcome current background noise in the environment, inclusive of both stationary and non-stationary noise sources. This is a receive-only feature and does not affect transmission audio. Follow the procedure to turn Intelligent Audio on or off on your radio.

Press the programmed **Intelligent Audio** button.

> **NOTE:**
> This feature is not applicable during a Bluetooth session.

7.7.13
Turning Trill Enhancement On or Off

You can enable this feature when you are speaking in a language that contains many words with alveolar trill (rolling "R") pronunciations. Follow the procedure to turn Trill Enhancement on or off on your radio.

Press the programmed **Trill Enhancement** button to toggle the feature on or off.

If successful:

- The Positive Indicator Tone sounds.

- All tones and alerts are turned on.

If unsuccessful:

- The Negative Indicator Tone sounds.

- All tones and alerts are turned off.

Authorized Accessories List

Motorola Solutions provides the following approved accessories to improve the productivity of your digital portable two-way radio.

Table 2: Antenna

Part Number	Description
PMAD4116_	VHF, 144–165 MHz, Helical Antenna
PMAD4117_	VHF, 136–155 MHz, Helical Antenna
PMAD4118_	VHF, 152–174 MHz, Helical Antenna
PMAD4119_	VHF, 136–148 MHz, Stubby Antenna
PMAD4120_	VHF, 146–160 MHz, Stubby Antenna
PMAD4121_	VHF, 160–174 MHz, Stubby Antenna

Part Number	Description
PMAD4147_	VHF, 136–174 MHz, Whip Antenna 20 cm
PMAE4069_	UHF, 400–450 MHz, Stubby Antenna
PMAE4070_	UHF, 440–490 MHz, Stubby Antenna
PMAE4071_	UHF, 470–527 MHz, Stubby Antenna
PMAE4079_	UHF, 400–527 MHz, Slim Whip Antenna
PMAF4009_	800/900, 806–870 MHz, Short Whip Antenna
PMAF4010_	800/900, 896–941 MHz, Short Whip Antenna
PMAF4011_ [4]	800/900, 806–870 MHz, Whip Antenna
PMAF4012_ [4]	800/900, 896–941 MHz, Whip Antenna

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[4] Applicable to Full Keypad and Non-Keypad only.

Table 3: Batteries

Part Number	Description
NNTN8129_^{5}	IMPRES Hi-Capacity Li-Ion, 2300 mAh Battery (FM)
NNTN8560_	Impres Hi-Capacity Li-Ion, 2500 mAh IP57 Battery, 2300M 2500T
PMNN4406_R^6	Core Slim Li-Ion, 1600 mAh IP56 Battery
PMNN4407_R^6	IMPRES Slim Li-Ion, 1600 mAh IP56 Battery
PMNN4409_R^6	IMPRES Li-Ion Non-FM, 2250 mAh IP56 Battery
PMNN4448_R	IMPRES Li-Ion, 2700 mAh Battery
PMNN4463_^{7}	Battery Li-Ion, IP57 2050 mAh
PMNN4488_	IMPRES Li-Ion, 3000 mAh IP68 Battery for Vibrating Belt Clip

Part Number	Description
PMNN4489_^{8}	IMPRES Li-Ion, 2900 mAh TIA 4950 HAZLOC IP68 Battery
PMNN4491_	IMPRES Slim Li-Ion, 2100 mAh IP68 Battery
PMNN4493_	IMPRES Li-Ion, 3000 mAh IP68 Battery, Low Voltage
PMNN4543_^{9}	Core Li-Ion, 2450 mAh IP68 Battery
PMNN4544_^{9}	IMPRES Li-Ion, 2450 mAh IP68 Battery

Table 4: Carry Devices

Part Number	Description
PMLN4651_	Belt Clip for 2 in. Belt Width

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^{5} Not applicable to

^{6} Version B or later.

^{7} Your radio is compatible with the accessories listed here. Contact your dealer for details.

^{8} Applicable to only.

^{9} Applicable to Full Keypad and Limited Keypad only.

Part Number	Description
PMLN5610_	2.5 in. Replacement Leather Swivel Belt Loop
PMLN5611_	3 in. Replacement Leather Swivel Belt Loop
PMLN5839_[10]	Hard Leather Carry Case with 3 in. Fixed Belt Loop for Non-Display Radio
PMLN5840_[11]	Hard Leather Carry Case with 3 in. Swivel Belt Loop for Full-Keypad Radio
PMLN5842_[11]	Hard Leather Carry Case with 2.5 in. Swivel Belt Loop for Full-Keypad and Limited-Keypad Radio
PMLN5843_[11]	Hard Leather Carry Case with 2.5 in. Swivel Belt Loop for Non-Display Radio

Part Number	Description
PMLN5844_[11]	Nylon Carry Case with 3 in. Fixed Belt Loop for Full-Keypad and Limited-Keypad Radio
PMLN5845_[10]	Nylon Carry Case with 3 in. Fixed Belt Loop for Non-Display Radio
PMLN5846_[10]	Hard Leather Carry Case with 3 in. Swivel Belt Loop for Non-Display Radio
PMLN7008_	Belt Clip for 2.5 in. Belt Width
PMLN7296_	Vibrating Belt Clip for 2.5 in. Belt Width
RLN6486_[12]	Leather Radio Strap
RLN6487_[12]	Leather Radio Strap, Size XL
RLN6488_[12]	Anti-Sway Leather Radio Strap

[10] Applicable to Non-Keypad only.
[11] Applicable to Full Keypad and Limited Keypad only.
[12] Your radio is compatible with the accessories listed here. Contact your dealer for details.

Table 5: Chargers

Part Number	Description
EPNN9288_	Travel Charger Micro USB Fast Rate Fixed-Sprint
HKVN4036_	IMPRES Battery Fleet Management License Key
NLN7967_ [13]	Wall Mount Bracket for IMPRES Multi-Unit Charger
NNTN7392_	IMPRES Battery Reader
NNTN7616_	IMPRES Vehicular Charger
NNTN7677_ [13]	IMPRES Battery Fleet Management Multi-Unit Charger Interface Unit
NNTN8045_ [13]	IMPRES Battery Fleet Management Single-Unit Charger Interface Unit
NNTN8117_	Core Single-Unit Charger, Base Only
NNTN8224_	Standard Single-Unit Charger with Power Supply, Linear PRC

Part Number	Description
NNTN8226_	Standard Single-Unit Charger with Power Supply, Linear, 110 V ac US Plug
NNTN8275_	Standard Single-Unit Charger with Power Supply, Switch-Mode – 21 W, NA/LA
NNTN8525_ [14]	Travel Charger, Rapid Rate with Voltage Regulated Vehicular Charger Adapter, Custom Charger Base, Mounting Bracket, and Coil Cord
WPLN4243_	110 VAC 50/60 HZ US IMPRES Single-Unit Charger
WPLN4211_	IMPRES Multi-Unit Charger, Base Only
WPLN4212_	IMPRES Multi-Unit Charger, US Plug
WPLN4218_	IMPRES Multi-Unit Charger with Display Base Only

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[13] Your radio is compatible with the accessories listed here. Contact your dealer for details.

[14] Your radio is compatible with the accessories listed here. Contact your dealer for details.

Part Number	Description
WPLN4219_	IMPRES Multi-Unit Charger with Display, US plug
WPLN4225_	Core Single-Unit Charger, Base Only
WPLN4227_	110 VAC 50/60 Hz US Core Single-Unit Charger
WPLN4232_	IMPRES Single-Unit Charger, US plug
WPLN4239_	IMPRES Multi Unit Charger US 1-Up Display
WPLN4253_	LTD Single-Unit Charger IMPRES (SMPS NA/LA)

Table 6: Earbuds and Earpieces

Part Number	Description
AARLN4885_	Receive-Only Earbud
BDN6666_	Earpiece with Volume Control

Part Number	Description
BDN6728_	Receive-Only Earpiece with Volume Control, Black
PMLN4620_	D-Shell Receive-Only Earpiece
PMLN5096_	D-Shell Earset
PMLN5101_	IMPRES Temple Transducer with In-line Push-to-Talk
PMLN5973_	Ear Receiver with In-line Mic/PTT, MagOne
PMLN5975_	Swivel Earpiece with MIC/PTT, MagOne
PMLN5976_	Earset with Boom MIC In-line PTT, MagOne
PMLN6069_	Earbud with In-line Mic/PTT, MagOne
PMLN7181_ [15]	Flexible Fit Swivel Earpiece with Boom Mic
PMLN7203_ [15]	Flexible Fit Swivel Earpiece with Boom Mic, Multipack

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[15] Your radio is compatible with the accessories listed here. Contact your dealer for details.

Part Number	Description
PMLN7696_ [15]	Completely Discreet Earpiece Kit
PMLN7851_	Operational Critical Wireless Earpiece PTT
RLN4941_	Receive-Only Earpiece
RLN5037_	Replacement Ear Tubes for Comm-Port Earpiece, Pack of 10
RLN5313_	Receive-Only Noise Surveillance Kit, Black
RLN5314_	Receive-Only Noise Surveillance Kit, Beige
RLN6279_	Standard Earpiece, Black
RLN6280_	Standard Earpiece, Beige
RLN6283_	Replacement Foam Ear Pad and Windscreen
RLN6284_	Earpiece with Acoustic Tube Assembly, Beige
RLN6285_	Earpiece with Acoustic Tube Assembly, Black
RLN6288_	Earpiece with High Noise Kit, Beige

Part Number	Description
RLN6289_	Earpiece with High Noise Kit, Black
RLN6511_ [15]	Clear EP7-Small Hearing Protectors [Sonic Defenders] Ultra Earplugs, Noise reduction = 28 dB
RLN6512_ [15]	Clear EP7-Medium Hearing Protectors [Sonic Defenders] Ultra Earplugs, Noise reduction = 28 dB
RLN6513_ [15]	Clear EP7-Large Hearing Protectors [Sonic Defenders] Ultra Earplugs, Noise reduction = 28 dB
RLN6550_ [15]	Swivel Earpiece with In-Line Microphone for Bluetooth Accessory Kit Pod, Pack of 3
NNTN8294_	1-Wire Earbud, 29 cm Cord, Black
NNTN8295_	1-Wire Earbud, 116 cm Cord, Black
NNTN8296_	Wireless Covert Kit, includes two sets of 2-Wire Earbuds (1 Black and 1 White), 1-Wire Earbud (Black), and a 3.5 mm Adapter to plug into any off-the-shelf headphones

Part Number	Description
NNTN8299_ [16]	Eartips for Operations Critical Wireless Earbuds
NNTN8316_	Replacement Ear Tips Kit for Wireless Ear Buds
WADN4190_	Over-the-Ear Receiver for Remote Speaker Microphone
NTN8821_	Wireless Earpiece Maintenance Kit
NTN8988_	Ear Straps for CommPort Earpiece (for Secure Attachment to Ear), Pack of 10
NNTN8385_ [15]	Wireless Neckloop Y-adapter and retention hook for Completely Discreet Kit

Table 7: Headsets and Headset Accessories

Part Number	Description
NTN2572_ [17]	Earpiece 12 in. Cable

Part Number	Description
NNTN8125_	Non-Secure Wireless Headset and Push-to-Talk Device with Push-to-Talk Audio, 12 in. Cable
NNTN8126_	Non-Secure Wireless Headset and Push-to-Talk Device with Push-to-Talk Audio, 9.5 in. Cable
NNTN8127_	Non-Secure Wireless Push-to-Talk Device
NNTN8191_	Push-to-Talk Module, without Charger
PMLN5102_	Ultra-Lite Headset
PMLN5974_	Lightweight Headset with Boom Mic and PTT, MagOne
PMLN5979_	Breeze Headset with Boom MIC and PTT, MagOne
PMLN6463_	Business Wireless Accessory Kit
PMLN6852_	Next Generation Behind-the-Head Heavy Duty Headset GCAI

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[16] Replacement for NNTN8294_ and NNTN8295_

[17] Replacement for NNTN8125_

Part Number	Description
PMLN6853_	Next Generation Behind-the-Head Heavy Duty Headset GCAI TIA 4950
PMLN7466_	Over-the-Head Heavy Duty Headset with GCAI
PMLN7467_	Over-the-Head Heavy Duty Headset/TIA with GCAI
RLN4923_	Earmuff Hygiene Kit, Black Earseals
RLN6477_	MT Series Neckband Headset with Nexus connector
RLN6490_	XBT Behind-the-Neck, Non-Secure Wireless Heavy Duty Headset
RLN6491_	XBT Overhead, Non-secure Wireless Heavy Duty Headset
RLN6500_	MOTOTRBO Bluetooth Accessory Kit with NA Power Supply
RLN6541_	Earmuff Hygiene Kit, Gel Sealing
RLN6542_	Hygiene Tape for Microphone
RLN6543_	Boom Microphone Wind Screen

Part Number	Description
RMN4051_	MT Series Hard Hat Attached Headset with Nexus connector
RMN4052_	TacticalPro Series Over-The-Head Headset with Nexus Connector
RMN4053_	TacticalPro Series Hard Hat Headset with Nexus Connector
RMN4055_	HT Series Listen Only Over-the-Head Headset with 3.5 mm non-threaded connector
RMN4056_	HT Series Listen Only Over-the-Head Headset with 3.5 mm threaded connector
RMN4057_	HT Series Listen Only Hard Hat Headset with 3.5 mm threaded connector
RMN5058_	Lightweight Headset
RMN5131_	Metal Boom with Microphone
RMN5132_	HT Series Listen Only Neckband Headset with 3.5 mm non-threaded connector

Part Number	Description
RMN5133_	HT Series Listen Only Hard Hat Headset with 3.5 mm non-threaded connector
RMN5135_	TacticalPro Series Neckband Headset with Nexus Connector
RMN5137_	MT Series Over-the-Head Headset, direct radio connect
RMN5138_	MT Series Neckband Headset, direct radio connect
RMN5139_	MT Series Hard Hat Attached Headset, direct radio connect

Table 8: Remote Speaker Microphones

Part Number	Description
NNTN8382_	IMPRES Remote Speaker Microphone, IP57
NNTN8383_	IMPRES Remote Speaker Microphone, with Earjack

Part Number	Description
PMMN4024_	Remote Speaker Microphone
PMMN4025_	IMPRES Remote Speaker Microphone
PMMN4040_	Remote Speaker Microphone, Submersible, IP57
PMMN4046_	IMPRES Remote Speaker Microphone, with Volume, IP57
PMMN4050_	IMPRES Remote Speaker Microphone, with Earjack, Noise Cancelling
PMMN4083_ [18]	IMPRES Remote Speaker Microphone Large, APX IP68 Delta T (GCAI)
PMMN4096_	Operational Critical Wireless Remote Speaker Microphone
PMMN4099_	IMPRES IP68 Heavy Duty Remote Speaker Microphone
PMMN4102_	IMPRES Noise Cancelling Remote Speaker Microphone, 3.5 mm Jack,

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[18] Your radio is compatible with the accessories listed here. Contact your dealer for details.

Part Number	Description
	Long Coil Cable, with Nexus Connector
PMMN4102B_GRN	IMPRES Noise Cancelling Remote Speaker Microphone, 3.5 mm Jack, Long Coil Cable, with Nexus Connector (Green Housing)
PMMN4113_	IMPRES OMNI Remote Speaker Microphone, 3.5 mm Jack, Long Coil Cable, with Nexus Connector
RLN6074_	Remote Speaker Microphone Replacement Coil Cord Kit (For Use with PMMN4024_ and PMMN4040_)
RLN6075_	Remote Speaker Microphone Replacement Coil Cord Kit (For Use with PMMN4025_ , PMMN4046_, PMMN4050_)
RLN6561_/ MDRLN6561_	Operational Critical Wireless RSM
RLN6562_	Operational Critical Wireless RSM with dual units Charger, NAG

Table 9: Surveillance Accessories

Part Number	Description
NNTN8459_	1-Wire Surveillance Kit with Translucent Tube, Black
PMLN6123_	IMPRES 3-Wire Surveillance with Clear, Comfortable Acoustic Tube, Black
PMLN6124_	IMPRES 3-Wire Surveillance with Clear, Comfortable Acoustic Tube, Beige
PMLN6125_	Receive Only Surveillance Kit, Black (Single Wire)
PMLN6126_	Receive Only Surveillance Kit, Beige (Single Wire)
PMLN6127_	IMPRES 2-Wire Surveillance Kit, Black
PMLN6128_	IMPRES 2-Wire Surveillance Kit, Beige
PMLN6129_	IMPRES 2-Wire Surveillance Kit with Clear, Comfortable Acoustic Tube, Black

Part Number	Description
PMLN6130_	IMPRES 2-Wire Surveillance Kit with Clear, Comfortable Acoustic Tube, Beige
PMLN7052_[19]	Operations Critical Wireless 1-Wire Surveillance Kit with translucent tube
RLN4760_	Small Custom Earpiece for Surveillance Kits, Right Ear
RLN4761_	Medium Custom Earpiece for Surveillance Kits, Right Ear
RLN4762_	Large Custom Earpiece for Surveillance Kits, Right Ear
RLN4763_	Small Custom Earpiece for Surveillance Kits, Left Ear
RLN4764_	Medium Custom Earpiece for Surveillance Kits, Left Ear
RLN4765_	Large Custom Earpiece for Surveillance Kits, Left Ear

Part Number	Description
RLN6281_	Replacement Foam Plugs, Pack of 50 (For Use with RLN5886_)
RLN6282_	Replacement Ear Tips, Clear, Pack of 50 (For Use with RLN5887_)

Table 10: Miscellaneous Accessories

Part Number	Description
15012157001	Dust Cover Assembly
1505596Z02	Replacement Strap for RLN4570_ and HLN6602_ Chest Packs
32012144001	Antenna Identification Band – Grey
32012144002	Antenna Identification Band – Yellow
32012144003	Antenna Identification Band – Green
32012144004	Antenna Identification Band – Blue

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[19] Your radio is compatible with the accessories listed here. Contact your dealer for details.

Part Number	Description
32012144005	Antenna Identification Band – Purple
4200865599	Belt
4280384F89	Universal RadioPAK Extension Belt
5880348B33	SMA To BNC Adapter, reworked
AY000267A01_ [20]	Screen Protector, Clear (single pack contains one unit
HLN6602_	Universal Chest Pack
HLN9985_	Waterproof Bag, includes Large Carry Strap
NTN5243_	Shoulder Strap (Attaches to D-Ring on Carry Case)
PMKN4012_	DMR Portable Programming Cable
PMKN4013_	Test and Alignment Cable for programming
PMKN4040_	DMR Portable Telemetry Cable
PMKN4071_	IMPRES Portable Non PC Adapter

Part Number	Description
PMKN4126_	TTR and Programming Cable for test alignment
PMLN6765_	Tactical GCAI PTT/VOX Interface Module
PMLN6767_	Tactical Remote Body Push-to-Talk
PMLN6827_	Push-to-Talk Interface Module
PMLN6830_	Tactical Remote Ring Push-to-Talk
PMLN6833_	Tactical Heavy Duty Temple Transducer with Noise Cancelling Boom Microphone
RLN4295_	Small Clip, Epaulet Strap
RLN4570_	Break-A-Way Chest Pack
RLN4815_	Universal Radio Pack and Utility Case (Fanny Pack)

NOTE:
Bluetooth and wireless accessories are only for XPR 7350e/XPR 7380e Bluetooth and Wi-Fi models.

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[20] Your radio is compatible with the accessories listed here. Contact your dealer for details.

Maritime Radio Use in the VHF Frequency Range

Special Channel Assignments

Emergency Channel

If you are in imminent and grave danger at sea and require emergency assistance, use VHF Channel 16 to send a distress call to nearby vessels and the United States Coast Guard. Transmit the following information, in this order:

1 "MAYDAY, MAYDAY, MAYDAY."

2 "THIS IS _____, CALL SIGN _____." State the name of the vessel in distress 3 times, followed by the call sign or other identification of the vessel, stated 3 times.

3 Repeat "MAYDAY" and the name of the vessel.

4 "WE ARE LOCATED AT _____." State the position of the vessel in distress, using any information that will help responders to locate you, e.g.:

- latitude and longitude

- bearing (state whether you are using true or magnetic north)

- distance to a well-known landmark

- vessel course, speed or destination

5 State the nature of the distress.

6 Specify what kind of assistance you need.

7 State the number of persons on board and the number needing medical attention, if any.

8 Mention any other information that would be helpful to responders, such as type of vessel, vessel length and/or tonnage, hull color, etc.

9 "OVER."

10 Wait for a response.

11 If you do not receive an immediate response, remain by the radio and repeat the transmission at intervals until you receive a response. Be prepared to follow any instructions given to you.

Non-Commercial Call Channel

For non-commercial transmissions, such as fishing reports, rendezvous arrangements, repair scheduling, or berthing information, use **VHF Channel 9**.

Operating Frequency Requirements

A radio designated for shipboard use must comply with Federal Communications Commission Rule Part 80 as follows:

- on ships subject to Part II of Title III of the Communications Act, the radio must be capable of operating on the 156.800 MHz frequency.

- on ships subject to the Safety Convention, the radio must be capable of operating:

  - in the simplex mode on the ship station transmitting frequencies specified in the 156.025–157.425 MHz frequency band, and

  - in the semiduplex mode on the two frequency channels specified in the table below.

  NOTE:
  Simplex channels 3, 21, 23, 61, 64, 81, 82, and 83 cannot be lawfully used by the general public in US waters.

  Additional information about operating requirements in the Maritime Services can be obtained from the full text of FCC Rule Part 80 and from the US Coast Guard.

Table 11: VHF Marine Channel List

Channel Number	Frequency (MHz)	
	Transmit	Receive
1	156.050	160.650
2	156.100	160.700
*	156.150	160.750
4	156.200	160.800
5	156.250	160.850
6	156.300	–
7	156.350	160.950
8	156.400	–
9	156.450	156.450
10	156.500	156.500
11	156.550	156.550
12	156.600	156.600
13**	156.650	156.650
14	156.700	156.700
15**	156.750	156.750

16	156.800	156.800		65	156.275	160.875
17**	156.850	156.850		66	156.325	160.925
18	156.900	161.500		67**	156.375	156.375
19	156.950	161.550		68	156.425	156.425
20	157.000	161.600		69	156.475	156.475
*	157.050	161.650		71	156.575	156.575
22	157.100	161.700		72	156.625	–
*	157.150	161.750		73	156.675	156.675
24	157.200	161.800		74	156.725	156.725
25	157.250	161.850		75	***	***
26	157.300	161.900		76	***	***
27	157.350	161.950		77**	156.875	–
28	157.400	162.000		78	156.925	161.525
60	156.025	160.625		79	156.975	161.575
*	156.075	160.675		80	157.025	161.625
62	156.125	160.725		*	157.075	161.675
63	156.175	160.775		*	157.125	161.725
*	156.225	160.825		*	157.175	161.775

84	157.225	161.825
85	157.275	161.875
86	157.325	161.925
87	157.375	161.975
88	157.425	162.025

NOTE:
** Simplex channels 3, 21, 23, 61, 64, 81, 82, and 83 cannot be **lawfully used** by the general public in US waters.*

** Low power (1 W) only.

*** Guard band.

NOTE:
A – in the Receive column indicates that the channel is transmit only.

Declaration of Compliance for the Use of Distress and Safety Frequencies

The radio equipment does not employ a modulation other than the internationally adopted modulation for maritime use when it operates on the distress and safety frequencies specified in RSS-182 Section 7.3.

Technical Parameters for Interfacing External Data Sources

Table 12: Technical Parameters for Interfacing External Data Sources

	RS232	**USB**	**SB9600**
Input Voltage (Volts Peak-to-peak)	18 V	3.6 V	5 V
Max Data Rate	28 kb/s	12 Mb/s	9.6 kb/s
Impedance	5000 ohm	90 ohm	120 ohm

Batteries and Chargers Warranty

The Workmanship Warranty

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

All MOTOTRBO Batteries	24 Months
IMPRES Chargers (Single-Unit and Multi-Unit, Non-Display)	24 Months
IMPRES Chargers (Multi-Unit with Display)	12 Months

The Capacity Warranty

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

Nickel Metal-Hydride (NiMH) or Lithium-Ion (Li-Ion) Batteries	12 Months
IMPRES Batteries, When Used Exclusively with IMPRES Chargers	18 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 Radios	Two (2) Years
Product Accessories (Excluding Batteries and Chargers)	One (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.

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.

Déclaration de conformité du fournisseur

Déclaration de conformité du fournisseur
Règlement CFR 47, partie 2, section 2.1077(a) de la FCC

Partie responsable

Nom : Motorola Solutions, Inc.

Adresse : 2000 Progress Pkwy, Schaumburg, IL. 60196

Numéro de téléphone : 1 800 927-2744

Déclare par les présentes que le produit :

Nom du modèle : **XPR 7350/XPR 7380/XPR 7350e/XPR 7380e**

est conforme aux réglementations suivantes :

Partie 15, sous-partie B, section 15.107(a), 15.107(d) et section 15.109(a) des règlements de la FCC

Appareil numérique de classe B
En tant que périphérique d'ordinateur personnel, cet appareil est conforme aux dispositions de la partie 15 des règlements de la FCC. Son utilisation est assujettie aux deux conditions suivantes :

1 Cet appareil ne doit pas causer d'interférence nuisible; et

2 Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

AVIS :
Cet équipement a fait l'objet de tests et a été déclaré conforme aux limites établies pour un appareil numérique de classe B, conformément à la section 15 des règlements de la FCC. Ces limites sont fixées afin d'offrir une protection suffisante contre des interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre de l'énergie de radiofréquence et, s'il n'est pas installé ou utilisé conformément aux instructions, il peut provoquer des interférences nuisibles aux communications radio. Cependant, il est impossible de garantir qu'il n'y aura aucune interférence dans une installation particulière.

Si cet appareil cause une interférence nuisible à la réception de la radio ou de la télévision, ce qui peut être déterminé en éteignant et en allumant l'appareil, vous êtes encouragé à remédier à la situation en prenant une ou plusieurs des mesures suivantes :

• Réorienter ou déplacer l'antenne réceptrice.

• Augmenter la distance entre l'équipement et le récepteur.

• Brancher l'appareil dans une autre prise sur un circuit différent de celui du récepteur.

• Consulter le distributeur ou un technicien de radio ou de télévision chevronné pour obtenir de l'aide.

Pour un usage en fonction de la sélection du code de pays (appareils WLAN)

AVIS :

La sélection du code de pays est pour les modèles non É.-U. seulement et n'est pas disponible sur tous les modèles américains. Conformément à la réglementation de la FCC, tous les produits Wi-Fi commercialisés aux États-Unis doivent être fixés sur des canaux fonctionnant aux États-Unis uniquement.

Consignes de sécurité importantes

Radios bidirectionnelles portatives : exposition aux radiofréquences et sécurité du produit

⚠️ **MISE EN GARDE :**
Cette radio doit être utilisée à des fins professionnelles uniquement. Avant d'utiliser la radio, lisez le guide Radios bidirectionnelles portatives : exposition aux radiofréquences et sécurité du produit, qui contient d'importantes instructions de fonctionnement pour une utilisation sécuritaire et des informations sur l'exposition aux fréquences radioélectriques, dans le but d'assurer votre conformité aux normes et règlements en vigueur.

Toute modification effectuée à cet appareil sans l'autorisation explicite de Motorola Solutions peut annuler l'autorisation d'utiliser cet appareil.

Selon la réglementation d'Industrie Canada, cet émetteur radio ne peut être utilisé qu'avec une antenne dont le type et le gain maximal (ou minimal) sont approuvés par Industrie Canada pour cet émetteur. Afin de limiter les interférences radio pour les autres utilisateurs, le type et le gain de l'antenne doivent être choisis de façon à ce que la puissance isotrope rayonnée équivalente (P.I.R.E.) ne soit pas plus forte qu'il ne le faut pour établir la communication.

Cet émetteur radio a été approuvé par Industrie Canada pour utilisation avec une antenne approuvée par Motorola Solutions offrant le gain maximal autorisé et l'impédance requise pour le type d'antenne indiqué. Il est strictement interdit d'utiliser avec cet appareil tout type d'antenne ne figurant pas dans cette liste et présentant un gain supérieur au maximum indiqué pour le type.

Avis aux utilisateurs (FCC)

Cet appareil est conforme à la partie 15 des règlements de la FCC d'après les conditions suivantes :

- Cet appareil ne doit pas causer d'interférence nuisible.

- Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

- Toute modification apportée à cet appareil sans l'autorisation explicite de Motorola Solutions peut annuler l'autorisation d'utiliser cet appareil.

Avis aux utilisateurs (Industrie Canada)

Le fonctionnement de votre radio Motorola Solutions est assujetti à la Loi sur la radiocommunication et doit se conformer aux règles et règlements du ministère Innovation, Sciences et Développement économique Canada du gouvernement fédéral. Industrie Canada exige que les utilisateurs de fréquences mobiles terrestres privées obtiennent une licence avant d'utiliser leur équipement.

www.motorolasolutions.com/mototrbo

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