

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 one of the following actions.

- Press the programmed **Vibrate Style** button to access the Vibrate Style menu.
 - a. Press  or  to Short, Medium, or Long and press  to select.
- Access this feature via the menu.
 - a. Press  to access the menu.
 - b. Press  or  to Utilities and press  to select.
 - c. Press  or  to Radio Settings and press  to select.
 - d. Press  or  to Tones/Alerts and press  to select.

- e. Press  or  to Vibrate Style and press  to select.
- f. Press  or  to Short, Medium, or Long and press  to select.

7.11.8

Alarm Tone Volume Escalation

Your radio can be programmed by your dealer 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.

7.12

Dynamic Caller Alias

This feature allows a Caller Alias to be configured in the radio.

When in a call, the receiving radio displays the Caller Alias of the transmitting radio.

The Caller Aliases list can store up to 500 Caller Aliases of transmitting radio. You can view or make Private Calls

from the Caller Aliases list. When you turn off your radio, the history of receiving Caller Aliases is removed from the Caller Aliases list.

7.12.1

Viewing the Caller Aliases List

You can access the Caller Aliases list to view the transmitting Caller Alias details.

- 1 Press  to access the menu.

- 2 Press  or  to Caller Aliases. Press  to select.

- 3 Press  or  to the preferred list. Press  to select.

- 4 Press  or  to View Details. Press  to select.

7.12.2

Initiating Private Call From the Caller Aliases List

You can access the Caller Aliases list to initiate Private Call.

- 1 Press  to access the menu.

- 2 Press  or  to Caller Aliases. Press  to select.

- 3 Press  or  to the *<required Caller Alias>*.

- 4 To call, press and hold the **PTT** button.

7.13

Call Log Features

Your radio keeps track of all recent outgoing, answered, and missed Private Calls. The call log feature is used to view and manage recent calls.

Missed Call Alerts may be included in the call logs, depending on the system configuration on your radio. You can perform the following tasks in each of your call lists:

- Delete Call
- View Details

7.13.1

Viewing Recent Calls

- 1 Press  to access the menu.
- 2 Press  or  to Call Log. Press  to select.
- 3 Press  or  to the preferred list. The options are Missed, Answered, and Outgoing lists.

Press  to select.
The display shows the most recent entry.
- 4 Press  or  to view the list.

You can start a call with the alias or ID the display is currently showing by pressing the **PTT** button.

7.13.2

Deleting Calls from the Call List

Follow the procedure to delete calls from the Call list.

- 1 Press  to access the menu.
- 2 Press  or  to Call Log. Press  to select.
- 3 Press  or  to the required list. Press  to select.
If the list is empty:
 - A tone sounds.
 - The display shows List Empty.

4 Press  or  to the required alias or ID.
Press  to select.

5 Press  or  to Delete Entry?. Press  to select.

6 Do one of the following:

- Press  to select Yes to delete the entry.
The display shows Entry Deleted.
 - Press  or  to No. Press  to select.
The radio returns to the previous screen.
-

2 Press  or  to Call Log. Press  to select.

3 Press  or  to the required list. Press  to select.

4 Press  or  to the required alias or ID.
Press  to select.

5 Press  or  to View Details. Press  to select.
The display shows the call details.

7.13.3

Viewing Call List Details

Follow the procedure to view call details on your radio.

1 Press  to access the menu.

7.14

Call Alert Operation

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

This feature is applicable for subscriber aliases or IDs only and is accessible through the menu using Contacts or a programmed **One Touch Access** button.

7.14.1

Responding to Call Alerts

When you receive a Call Alert:

- A repetitive tone sounds.
- The yellow LED blinks.
- The display shows the notification list listing a Call Alert with the alias or ID of the calling radio.

Depending on the configuration by your dealer or system administrator, you can respond to a Call Alert by doing one of the following:

- Press the **PTT** button and respond with a Private Call directly to the caller.
- Press the **PTT** button to continue normal talkgroup communication. The Call Alert is moved to the Missed Call option at the Call Log menu. You can respond to the caller from the Missed Called log.

See [Notification List on page 105](#) and [Call Log Features on page 83](#) for more information.

7.14.2

Making Call Alerts by Using the Contacts List

- 1 Press  to access the menu.

- 2 Press  or  to **Contacts**. Press  to select.

- 3 Press  or  to the required alias or ID. Press  to select.

- 4 Press  or  to **Call Alert**. Press  to select.
The display shows **Call Alert** and the subscriber alias or ID. The green LED lights up.

- 5 Wait for acknowledgment.
 - If the acknowledgment is received, the display shows a positive mini notice.

- If the acknowledgment is not received, the display shows a negative mini notice.

7.14.3

Making Call Alerts

Follow the procedure to make Call Alerts on your radio.

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

The display shows `Call Alert` and the subscriber alias or ID. The green LED lights up.

- 2 Wait for acknowledgment.

If the Call Alert acknowledgment is received, the display shows a positive mini notice.

If the Call Alert acknowledgment is not received, the display shows a negative mini notice.

7.15

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.

7.15.1

Turning On Mute Mode

Follow the procedure to turn on Mute Mode.

Access this feature by using the programmed **Mute Mode** button.

The following occurs when Mute mode is enabled:

- Positive Indicator Tone sounds.
- Display shows `Mute Mode On`.

- The red LED light starts blinking and remains blinking until Mute Mode is exited.
- Display shows **Mute Mode** icon on home screen.
- Radio is muted.
- Mute Mode Timer begins counting down the duration that is configured.

7.15.2

Setting Mute Mode Timer

Mute Mode feature can be enabled for a pre-configured amount of time by setting the Mute Mode Timer. The timer duration is configured in the radio menu and can range between 0.5–6 hours. Mute Mode is exited once the timer expires.

If the timer is left at 0, the radio remains in Mute mode for an indefinite period until the programmed **Mute Mode** button is pressed.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Mute Timer. Press  to select.

- 5 Press  or  to edit the numeric value of each digit, and press .

7.15.3

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.

The following occurs when Mute mode is disabled:

- Negative Indicator Tone sounds.

- Display shows Mute Mode Off.
- The blinking red LED turns off.
- **Mute Mode** icon disappears from home screen.
- 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.

7.16

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.

7.16.1

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.

You see one of these results:

- The display shows Tx Alarms and the destination alias.
-  The display shows Tx Telegram and the destination alias.

The green LED lights up. The **Emergency** icon appears.

**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.
- The display shows Alarm Sent.

If unsuccessful after all retries have been exhausted:

- A tone sounds.
- The display shows `Alarm Failed`.

The radio exits the Emergency Alarm mode and returns to the Home screen.



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.

7.16.2

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.

You see the following:

- The display shows `Tx Telegram` and the destination alias.

The green LED lights up. The **Emergency** icon appears.

2 Wait for acknowledgment.

If successful:

- The Emergency tone sounds.
- The red LED blinks.
- The display shows `Alarm Sent`.
- Your radio enters the Emergency call mode when the display shows `Emergency` and the destination group alias.

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

The green LED lights up. The display shows the **Group Call** icon.

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.

If you do not press the **Emergency Off** button to exit the Emergency mode, the red LED blinks and the radio stays in Emergency mode.

The radio returns to the Home screen.

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*.

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.

7.16.4

Sending Emergency Alarms with Voice to Follow

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

You see one of these results:

- The display shows Tx Alarm and the destination alias.

The green LED lights up. The **Emergency** icon appears.

- 2 Once the display shows Alarm Sent, 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.

The red LED blinks. The radio remains in Emergency mode.

-
- 3 Press the **Emergency Off** button to exit the Emergency mode.

The radio returns to the Home screen.

7.16.5

Receiving Emergency Alarms

When you receive an Emergency Alarm:

- A tone sounds.
- The red LED blinks.
- The display shows the **Emergency** icon, and the Emergency caller alias or if there is more than one

alarm, all emergency caller aliases are displayed in an Alarm List.

1 Do one of the following:

- If only one alarm, press  to view more details.
- If more than one alarm, press  or  to the required alias, and press  to view more details.

2 Press  to view the action options.

3 Press  and select Yes to exit the Alarm list.

4 Press  to access the menu.

5 Select `Alarm List` to revisit the Alarm list.

6 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.

7.16.6

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.

7.16.7

Exiting Emergency Mode After Sending the Emergency Alarm

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.



NOTE:

If your radio is powered off, it exits the Emergency mode. The radio does not reinitiate the Emergency mode automatically when it is turned on again.

Follow the procedure to exit Emergency mode on your radio.

Do one of the following:

- Press the programmed **Emergency Off** button.
 - Change the channel to a new channel that has no emergency system configured.
The display shows `No Emergency`.
-

7.17

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.

7.18

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 two 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.

If the radio has a privacy type assigned, the Home Screen shows the **Secure** or **Unsecure** icon, except when the radio is sending or receiving an Emergency call or alarm.

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.

7.18.1

Turning Privacy On or Off

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

- 1 Do one of the following:
 - Press the programmed **Privacy** button. Skip the proceeding steps.
 - Press  to access the menu.
-

2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Settings. Press  to select.

4 Press  or  to *<required privacy>*. Press  to select.

- If privacy is on, display shows ✓ beside Enabled.
 - If privacy is off, display shows empty box beside Enabled.
-

7.19

Security

This feature allows you to enable or disable any radio in the system.

For example, you may want to disable a stolen radio to prevent unauthorized users from using it, and enable the radio when it is recovered.

You will not receive an acknowledgment if you press  during Radio Enable or Radio Disable operation.



NOTE:

Check with your dealer or system administrator for more information.

7.19.1

Disabling Radios

Follow the procedure to disable your radio.

1 Press the programmed **Radio Disable** button.

2 Press  or  to the required alias or ID.

3 Press  to select.

The display shows a transitional mini notice, indicating the request is in progress. The green LED blinks.

4 Wait for acknowledgment.

If successful:

- A positive indicator tone sounds.

- The display shows a positive mini notice.

If unsuccessful:

- A negative indicator tone sounds.
 - The display shows a negative mini notice.
-

7.19.2

Disabling Radios by Using the Contacts List

Follow the procedure to disable your radio by using the Contacts list.

1 Press  to access the menu.

2 Press  or  to **Contacts**. Press  to select.

3 Press  or  to the required alias or ID.
Press  to select.

4 Press  or  to **Radio Disable**.

5 Press  to select.

The display shows a transitional mini notice, indicating the request is in progress. The green LED blinks.

6 Wait for acknowledgment.

If successful:

- A positive indicator tone sounds.
- The display shows a positive mini notice.

If unsuccessful:

- A negative indicator tone sounds.
 - The display shows a negative mini notice.
-

7.19.3

Disabling Radios by Using the Manual Dial

Follow the procedure to disable your radio by using the manual dial.

- 1 Press  to access the menu.

- 2 Press  or  to `Contacts`. Press  to select.

- 3 Press  or  to `Manual Dial`. Press  to select.

- 4 Enter the subscriber ID, and press  to proceed.

- 5 Press  or  to `Radio Disable`.

- 6 Press  to select.

The display shows a transitional mini notice, indicating the request is in progress. The green LED blinks.

- 7 Wait for acknowledgment.

If successful:

- A positive indicator tone sounds.
- The display shows a positive mini notice.

If unsuccessful:

- A negative indicator tone sounds.
 - The display shows a negative mini notice.
-

7.19.4

Enabling Radios

Follow the procedure to enable your radio.

- 1 Press the programmed **Radio Enable** button.

2 Press  or  to the required alias or ID.

3 Press  to select.

The display shows `Radio Enable` and the subscriber alias or ID. The green LED lights up.

4 Wait for acknowledgment.

If successful:

- A positive indicator tone sounds.
- The display shows a positive mini notice.

If unsuccessful:

- A negative indicator tone sounds.
 - The display shows a negative mini notice.
-

7.19.5

Enabling Radios by Using the Contacts List

Follow the procedure to enable your radio by using the Contacts list.

1 Press  to access the menu.

2 Press  or  to `Contacts`. Press  to select.

3 Press  or  to the required alias or ID. Press  to select.

4 Press  or  to `Radio Enable`.

5 Press  to select.

The green LED blinks. The display shows `Radio Enable` and the subscriber alias or ID. The green LED lights up.

6 Wait for acknowledgment.

If successful:

- A positive indicator tone sounds.
- The display shows a positive mini notice.

If unsuccessful:

- A negative indicator tone sounds.
- The display shows a negative mini notice.

7.19.6

Enabling Radios by Using the Manual Dial

Follow the procedure to enable your radio by using the manual dial.

- 1 Press  to access the menu.
- 2 Press  or  to `Contacts`. Press  to select.
- 3 Press  or  to `Manual Dial`. Press  to select.

- 4 Press  or  to `Private Call`. Press  to select.

The first text line shows `Radio Number:`.

- 5 Enter the subscriber ID, and press  to proceed.

- 6 Press  or  to `Radio Enable`.

- 7 Press  to select.

The green LED blinks. The display shows `Radio Enable` and the subscriber alias or ID. The green LED lights up.

- 8 Wait for acknowledgment.

If successful:

- A positive indicator tone sounds.
- The display shows a positive mini notice.

If unsuccessful:

- A negative indicator tone sounds.

- The display shows a negative mini notice.

7.20

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 89](#) for more information on ways to exit Emergency.



NOTE:

Check with your dealer or system administrator for more information.

7.21

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.

Your radio is unable to receive calls in locked state.

7.21.1

Accessing the Radio by Using Password

Turn on your radio.

- 1 Enter the four-digit password.

- a To edit the numeric value of each digit, press  or . To enter and move to the next digit, press .

- 2 Press  to confirm 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.
- The display shows `Wrong Password`.

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.
- The display shows `Wrong Password` and then, `Radio Locked`.
- Your radio enters into locked state for 15 minutes.



NOTE:

In locked state, your radio responds to inputs from the **On/Off/Volume Control Knob** and programmed **Backlight** button only.

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.

7.21.2

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 102](#) 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. The display shows `Radio Locked`.

Wait for 15 minutes and then repeat the steps in [Accessing the Radio by Using Password on page 102](#) to access the radio.

7.21.3

Turning Password Lock On or Off

Follow the procedure to turn password lock on or off on your radio.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Passwd Lock. Press  to select.

- 5 Enter the current four-digit password.
 - Use a keypad microphone.

- Press  or  to edit the numeric value of each digit, and press  to enter and move to the next digit.
A positive indicator tone sounds for every digit pressed.

- 6 Press  to enter the password.
If the password is incorrect, the display shows Wrong Password and automatically returns to the previous menu.

- 7 Do one of the following:
 - Press  or  to Turn On. Press  to select.
The display shows ✓ beside Turn On.
 - Press  or  to Turn Off. Press  to select.
The display shows ✓ beside Turn Off.

7.21.4

Changing Passwords

Follow the procedure to change passwords on your radio.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Passwd Lock. Press  to select.

- 5 Enter the current four-digit password, and press  to proceed.
If the password is incorrect, the display shows Wrong Password and automatically returns to the previous menu.

- 6 Press  or  to Change PWD. Press  to select.

- 7 Enter a new four-digit password, and press  to proceed.

- 8 Re-enter the new four-digit password, and press  to proceed.

If successful, the display shows Password Changed.
If unsuccessful, the display shows Passwords Do Not Match.

The screen automatically returns to the previous menu.

7.22

Notification List

Your radio has a Notification list that collects all your unread events on the channel, such as unread text messages, telemetry messages, missed calls, and call alerts.

The display shows the **Notification** icon when the Notification list has one or more events.

The list supports a maximum of 40 unread events. When the list is full, the next event automatically replaces the oldest event. After the events are read, they are removed from the Notification list.

For text messages, missed calls, and call alert events, the maximum number of notifications are 30 text messages and 10 missed calls or call alerts. This maximum number depends on individual feature (job tickets or text messages or missed calls or call alerts) list capability.



NOTE:

Your radio suspends Scan when the Notification list is displayed. Scanning resumes when your radio exits the Notification list. Press , or wait for the menu timer to expire to exit the Notification list.

7.22.1

Accessing Notification List

Follow the procedure to access the Notification list on your radio.

- 1 Do one of the following:

- Press the programmed **Notification** button. Skip the steps below.
- Press  to access the menu.

2

Press  to access the menu.

3

Press  or  to Notification. Press  to select.

4

Press  or  to the required event. Press  to select.

Long press  to return to the Home screen.

7.23

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.

The display shows channel alias and In Range.

ARTS-in-Range Alert

A tone sounds, if programmed.

The display shows channel alias and In Range.

ARTS-Out-of-Range Alert

A tone sounds. The red LED rapidly blinks.

The display shows Out of Range alternating with the Home screen.



NOTE:

Check with your dealer or system administrator for more information.

7.24

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 display shows the **High Volume Data** icon.
- The channel becomes busy.
- A negative tone sounds if you press the **PTT** button.

When OTAP completes, depending on the configuration:

- A tone sounds. The display shows `Updating` `Restarting`. Your radio restarts by powering off and on again.
- You can select `Restart Now` or `Postpone`. When you select `Postpone`, your radio returns to the previous screen. The display shows the **OTAP Delay Timer** icon until the automatic restart occurs.

When your radio powers up after automatic restart:

- If successful, the display shows `Sw Update` `Completed`.

- If the program update is unsuccessful, a tone sounds, the red LED blinks once, and the display shows **Update Failed**.

**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.

See [Checking Software Update Information on page 131](#) for the updated software version.

7.25

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 3500e 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.



NOTE:

You can turn on or turn off Wi-Fi remotely by using a designated radio (see [Turning Wi-Fi On or Off Remotely by Using a Designated Radio \(Individual Control\)](#) on page 109 and [Turning Wi-Fi On or Off Remotely by Using a Designated Radio \(Group Control\)](#) on page 110). Check with your dealer or system administrator for more information.

7.25.1

Turning Wi-Fi On or Off

- 1 Press the programmed **Wi-Fi On or Off** button. Voice Announcement sounds Turning On Wi-Fi or Turning Off Wi-Fi.
-
- 2 Access this feature using the menu.
 - a Press to access the menu.
 - b Press or to Wi-Fi and press to select.

- c Press or to Turn On and press to select.

The radio displays Turning On Wi-Fi.

7.25.2

Turning Wi-Fi On or Off Remotely by Using a Designated Radio (Individual Control)

You can turn Wi-Fi on or off remotely in Individual Control (One to One).



NOTE:

Only radio with specific CPS setting supports this function, check with your dealer or system administrator for more information.

- 1 Do one of the following:
 - Long press the programmable button. Use the keypad to enter the ID and press to select. Proceed to [step 3](#).
 - Press to access the menu.

2 Press  or  to `Contacts` and press  to select.

3 Press  or  to `WiFi Control` and press  to select.

4 Press  or  to select `On` or `Off`.

5 Press  to select.

If successful, the display shows a positive mini notice.

If unsuccessful, the display shows a negative mini notice.

7.25.3

Turning Wi-Fi On or Off Remotely by Using a Designated Radio (Group Control)

You can turn Wi-Fi on or off remotely in Group Control (One to Many).



NOTE:

Only radio with specific CPS setting supports this function, check with your dealer or system administrator for more information.

1 Press  to access the menu.

2 Press  or  to `Contacts` and press  to select.

3 Press  or  to select the required subscriber alias or ID.

4 Press  or  to `WiFi Control` and press  to select.

5 Press  or  to select `On` or `Off`.

6 Press  to select.

If successful, the display shows `Sent Successfully`.

If unsuccessful, the display shows a negative mini notice.

7.25.4

Connecting to a Network Access Point

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


NOTE:

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.

- 1 Press to access the menu.

- 2 Press or to WiFi and press to select.

- 3 Press or to Networks and press to select.

- 4 Press or to a network access point and press to select.


NOTE:

For WPA-Enterprise Wi-Fi, if a network access point is not preconfigured, the Connect option is not available.

- 5 Press or to Connect and press to select.

- 6 For WPA-Enterprise Wi-Fi, password is configured by using RM.

If the preconfigured password is correct, your radio automatically connects to the selected network access point.

If the preconfigured password is incorrect, the display shows Authentication Failure, and automatically returns to the previous menu.

If the connection is successful, the radio displays a notice and the network access point is saved into the profile list.

If the connection is unsuccessful, the radio displays shows the failure notice screen momentarily and automatically returns to the previous menu.

7.25.5

Checking Wi-Fi Connection Status

Press the programmed **Wi-Fi Status Query** button for the connection status by using Voice Announcement. Voice Announcement sounds Wi-Fi is Off, Wi-Fi is On but No Connection, or Wi-Fi is On with Connection.

- The display shows `WiFi Off` when the Wi-Fi is turned off.
- The display shows `WiFi On, Connected` when the radio is connected to a network.
- The display shows `WiFi On, Disconnected` when the Wi-Fi is turned on but the radio is not connected to any network.

Voice Announcements for the Wi-Fi status query results can be customized through CPS according to user requirements. Check with your dealer or system administrator for more information.

**NOTE:**

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

7.25.6

Viewing Details of Network Access Points

You can view details of network access points.

- 1 Press to access the menu.

- 2 Press or to `WiFi` and press to select.

- 3 Press or to a network access point and press to select.

- 4 Press or to `View Details` and press to select.

**NOTE:**

WPA-Personal Wi-Fi and WPA-Enterprise Wi-Fi display different details of Network Access Points.

WPA-Personal Wi-Fi

For a connected network access point, your radio displays Service Set Identifier (SSID), Security Mode, Media Access Control (MAC) address, and Internet Protocol (IP) address.

WPA-Enterprise Wi-Fi

For a connected network access point, your radio displays SSID, Security Mode, Identity, Extended Authentication Protocol (EAP) Method, Phase 2 Authentication, Cert Name, MAC address, IP address, Gateway, DNS1, and DNS2.

Utilities

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

8.1

Keypad Lock Options

With this feature, you can avoid accidentally pressing buttons or changing channels when your radio is not in use. You can choose to either lock your keypad, channel selector knob, or both; depending on your requirements.

Your dealer can use CPS/RM to configure one of the following options:

- Lock Keypad
- Lock Channel Selector Knob
- Lock Keypad and Channel Selector Knob

Contact your dealer to determine how your radio has been programmed.

8.1.1

Enabling the Keypad Lock Option

The following steps are applicable for either Lock Keypad, Lock Channel Selector Knob, or Lock Keypad and Channel Selector Knob option depending on how your radio has been configured.

Press the programmed **Keypad Lock** button.

The display shows **Locked**.

8.1.2

Disabling the Keypad Lock Option

The following steps are applicable for either Lock Keypad, Lock Channel Selector Knob, or Lock Keypad and Channel Selector Knob option depending on how your radio has been configured.

Press the programmed **Keypad Lock** button.

The display shows **Unlocked**.

8.2

Squelch Levels

You can adjust the squelch level to filter out unwanted calls with low signal strength or channels with noise higher than normal background.

Normal

This is the default setting.

Tight

This setting filters out unwanted calls and/or background noise. Calls from remote locations may also be filtered out.



NOTE:

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

8.2.1

Setting Squelch Levels

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

- 1 Do one of the following:
 - Press the programmed **Squelch** button. Skip the following steps.

- Press  to access the menu.
-

- 2 Press  or  to Utilities. Press  to select.
-

- 3 Press  or  to Radio Settings. Press  to select.
-

- 4 Press  or  to Squelch. Press  to select.
-

- 5 Do one of the following:

- Press  or  to Normal. Press  to select.

The display shows ✓ beside Normal.

- Press  or  to Tight. Press  to select.

The display shows ✓ beside Tight.

The screen automatically returns to the previous menu.

8.3

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.



NOTE:

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

8.3.1

Setting Power Levels

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

1 Do one of the following:

- Press the programmed **Power Level** button. Skip the steps below.

- Press  to access the menu.
-

- ### 2
- Press  or  to Utilities. Press  to select.
-

- ### 3
- Press  or  to Radio Settings. Press  to select.
-

- ### 4
- Press  or  to Power. Press  to select.
-

5 Do one of the following:

- Press  or  to High. Press  to select.

The display shows ✓ beside High.

- Press  or  to Low. Press  to select.
- The display shows ✓ beside Low.
-

- ### 6
- Long press  to return to the Home screen.
-

8.4

Adjusting Display Brightness

Follow the procedure to adjust the display brightness on your radio.

- 1 Do one of the following:
 - Press the programmed **Brightness** button. Skip the following steps.
 - Press  to access the menu.
-

- 2 Press  or  to Utilities. Press  to select.
-

- 3 Press  or  to Radio Settings. Press  to select.
-

- 4 Press  or  to Brightness. Press  to select.
The display shows the progress bar.
-

- 5 Press  or  to decrease or increase the display brightness. Press  to select.
The setting value is varied from 1 to 8.
-

8.5

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 or menu to enable or disable VOX.
- 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.

8.5.1

Turning Voice Operating Transmission On or Off

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

- 1 Do one of the following:
 - Press the programmed **VOX** button. Skip the steps below.
 - Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to VOX. Press  to select.

- 5 Do one of the following:

- Press  or  to On. Press  to select. The display shows ✓ beside On.
- Press  or  to Off. Press  to select. The display shows ✓ beside 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 on page 121](#) for more information.

8.6

Setting Display Backlight Timer

You can set the display backlight timer of the radio as needed. The setting also affects the Menu Navigation Buttons and keypad backlighting accordingly. Follow the procedure to set the backlight timer on your radio.

- 1 Do one of the following:
 - Press the programmed **Backlight** button. Skip the following steps.
 - Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Display. Press  to select.

- 5 Press  or  to Backlight Timer. Press  to select.

The display backlight and keypad backlighting are automatically turned off as the LED indicator is disabled. See [Turning LED Indicators On or Off on page 123](#) for more information.

8.7

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.

- 1 Do one of the following:
 - Press the programmed **Tones/Alerts** button. Skip the following steps.
 - Press  to access the menu.

2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Settings. Press  to select.

4 Press  or  to Tones/Alerts. Press  to select.

5 Press  or  to All Tones. Press  to select.

6 Press  to enable or disable all tones and alerts. The display shows one of the following results:

- If enabled, ✓ appears beside Enabled.
 - If disabled, ✓ disappears beside Enabled.
-

Turning Power Up Tone On or Off

Follow the procedure to turn Power Up Tone on or off on your radio.

1 Press  to access the menu.

2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Settings. Press  to select.

4 Press  or  to Tones/Alerts. Press  to select.

5 Press  or  to Power Up. Press  to select.

6 Press  to enable or disable the Power Up Tone. The display shows one of the following results:

- If enabled, ✓ appears beside Enabled.
- If disabled, ✓ disappears beside Enabled.

8.9

Setting Tones/Alerts Volume Offset Levels

This feature adjusts the volume of the tones or alerts, allowing it to be higher or lower than the voice volume. Follow the procedure to set the tones and alerts volume offset levels on your radio.

- 1 Press  to access the menu.
- 2 Press  or  to Utilities. Press  to select.
- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Tones/Alerts. Press  to select.

- 5 Press  or  to Vol. Offset. Press  to select.

- 6 Press  or  to the required volume offset level.

A feedback tone sounds with each corresponding volume offset level.

- 7 Do one of the following:
 - Press  to select. The required volume offset level is saved.
 - Press  to exit. The changes are discarded.

8.10

Turning Talk Permit Tone On or Off

Follow the procedure to turn Talk Permit Tone on or off on your radio.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Tones/Alerts. Press  to select.

- 5 Press  or  to Talk Permit. Press  to select.

- 6 Press  to enable or disable the Talk Permit Tone. The display shows one of the following results:
 - If enabled, ✓ appears beside Enabled.
 - If disabled, ✓ disappears beside Enabled.

8.11

Setting Languages

Follow the procedure to set the languages on your radio.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Languages. Press  to select.

- 5 Press  or  to the required language. Press  to select. The display shows ✓ beside the selected language.

8.12

Turning LED Indicators On or Off

Follow the procedure to turn the LED indicators on or off on your radio.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to LED Indicator. Press  to select.

- 5 Press  to enable or disable the LED indicator. The display shows one of the following results:
 - If enabled, ✓ appears beside Enabled.

- If disabled, ✓ disappears beside Enabled.
-

8.13

Turning Introduction Screen On or Off

You can enable and disable the Introduction Screen by following the procedure.

- 1 Press  to access the menu.

 - 2 Press  or  to Utilities. Press  to select.

 - 3 Press  or  to Radio Settings. Press  to select.

 - 4 Press  or  to Display. Press  to select.
-

- 5 Press  or  to Intro Screen. Press  to select.
-

8.14

Turning Voice Announcement On or Off

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

This is typically useful when the user has difficulty reading the content shown on the display.

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



NOTE:

The Voice Announcement feature can only be enabled through CPS. If enabled, the Text-to-Speech feature is automatically disabled.

- 1 Do one of the following:

- Press the programmed **Voice Announcement** button. Skip the following steps.

- Press  to access the menu.
-

- 2 Press  or  to Utilities. Press  to select.
-

- 3 Press  or  to Radio Settings. Press  to select.
-

- 4 Press  or  to Voice Announcement. Press  to select.
-

- 5 Press  to enable or disable Voice Announcement.

- If enabled, ✓ appears beside Enabled.
 - If disabled, ✓ disappears beside Enabled.
-

8.15

Turning Automatic Call Forwarding On or Off

You can enable your radio to automatically forward voice calls to another radio.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Call Forward. Press  to select.

- 5 Do one of the following:
 - Press  or  to enable Call Forwarding. If enabled, ✓ appears beside Enabled.

- Press  or  to disable Call Forwarding. If disabled, ✓ disappears beside Enabled.
-

8.16

Setting Menu Timer

You can set the time your radio stays in the menu before it automatically switches to the Home screen. Follow the procedure to set the menu timer.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Display. Press  to select.

5 Press  or  to Menu Timer. Press  to select.

6 Press  or  to the required setting. Press  to select.

8.17

Turning Analog Microphone AGC On or Off

The Analog Microphone Automatic Gain Control (AGC) controls the microphone gain of the radio automatically while transmitting on an analog system.

This feature suppresses loud audio or boosts soft audio to a preset value in order to provide a consistent level of audio. Follow the procedure to turn Analog Microphone AGC on or off on your radio.

1 Press  to access the menu.

2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Settings. Press  to select.

4 Press  or  to Mic AGC-A. Press  to select.

5 Press  to enable or disable Analog Microphone AGC.

The display shows one of the following results:

- If enabled, ✓ appears beside Enabled.
 - If disabled, ✓ disappears beside Enabled.
-

8.18

Turning Digital Microphone AGC On or Off

The Digital Microphone Automatic Gain Control (AGC) controls the microphone gain of the radio automatically while transmitting on a digital system.

This feature suppresses loud audio or boosts soft audio to a preset value in order to provide a consistent level of audio. Follow the procedure to turn Digital Microphone AGC on or off on your radio.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Settings. Press  to select.

- 4 Press  or  to Mic AGC-D. Press  to select.

- 5 Press  to enable or disable Digital Microphone AGC.

The display shows one of the following results:

- If enabled, ✓ appears beside Enabled.

- If disabled, ✓ disappears beside Enabled.

8.19

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.

- 1 Do one of the following:
 - Press the programmed **Intelligent Audio** button. Skip the steps below.
 - Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Settings. Press  to select.

4 Press  or  to Intelligent Audio. Press  to select.

5 Do one of the following:

- Press  or  to On. Press  to select. The display shows ✓ beside On.
 - Press  or  to Off. Press  to select. The display shows ✓ beside Off.
-

8.20

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.

1 Do one of the following:

- Press the programmed **AF Suppressor** button. Skip the following steps.
 - Press  to access the menu.
-

2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Settings. Press  to select.

4 Press  or  to AF Suppressor. Press  to select.

5 Do one of the following:

- Press  to enable Acoustic Feedback Suppressor.

- Press  to disable Acoustic Feedback Suppressor.

If enabled, ✓ appears beside `Enabled`. If disabled, ✓ disappears beside `Enabled`.

8.21

General Radio Information

Your radio contains information on various general parameters.

The general information of your radio is as follows:

- Battery information.
- Radio alias and ID.
- Firmware and Codeplug versions.
- Software update.
- GNSS information.



NOTE:

Press  to return to the previous screen. Long press  to return to the Home screen. The radio exits the current screen once the inactivity timer expires.

8.21.1

Accessing Battery Information

Displays information of your radio battery.

- 1 Press  to access the menu.
-
- 2 Press  or  to `Utilities`. Press  to select.
-
- 3 Press  or  to `Radio Info`. Press  to select.
-

- 4 Press  or  to Battery Info. Press  to select.

**NOTE:**

For **IMPRES** batteries only: The display reads `Recondition Battery` when the battery requires reconditioning in an IMPRES charger. After the reconditioning process, the display then shows the battery information.

The display shows the battery information.

**NOTE:**

For non-supported battery, the display shows `Unknown Battery`.

- Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Radio Info. Press  to select.

- 4 Press  or  to My ID. Press  to select.
The first text line shows the radio alias. The second text line shows the radio ID.

8.21.2

Checking Radio Alias and ID

- 1 Do one of the following:
- Press the programmed **Radio Alias and ID** button. Skip the following steps. A positive indicator tone sounds.
You can press the programmed **Radio Alias and ID** button to return to the previous screen.

8.21.3

Checking Firmware and Codeplug Versions

- 1 Press  to access the menu.
- 2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Info. Press  to select.

4 Press  or  to Versions. Press  to select.

The display shows the current firmware and codeplug versions.

8.21.4

Checking Software Update Information

This feature shows the date and time of the latest software update. Follow the procedure to check the software update information on your radio.

1 Press  to access the menu.

2 Press  or  to Utilities. Press  to select.

3 Press  or  to Radio Info. Press  to select.

4 Press  or  to SW Update. Press  to select.

The display shows the date and time of the latest software update.

Software Update menu is only available after at least one successful OTAP or Wi-Fi session. See [Over-the-Air Programming on page 107](#) for more information.

8.22

Received Signal Strength Indicator

This feature allows you to view the Received Signal Strength Indicator (RSSI) values.

The display shows the **RSSI** icon at the top right corner. See [Display Icons](#) for more information on the **RSSI** icon.

8.22.1

Viewing RSSI Values

At the home screen, press  three times and immediately press  three times, all in 5 seconds.

The display shows the current RSSI values.

To return to the home screen, press and hold .

8.23

Front Panel Programming

You are able to customize certain feature parameters in Front Panel Programming (FPP) to enhance the use of your radio.

The following buttons are used as required while navigating through the feature parameters.

Left/Right Navigation Button

Press to navigate through options horizontally or vertically, or increase or decrease values.

Menu/OK Button

Press to select the option or enter a sub-menu.

Return/Home Button

Short press to return to the previous menu or exit the selection screen.

Long press at any time to return to the Home screen.

8.24

Viewing Enterprise Wi-Fi Certificate Details

You can view the details of the selected Enterprise Wi-Fi Certificate.

- 1 Press  to access the menu.

- 2 Press  or  to Utilities. Press  to select.

- 3 Press  or  to Certificate Menu. Press  to select.
✓ appears beside ready certificates.

- 4 Press  or  to the required certificate.
Press  to select.
-

Your radio displays the full details of the certificate.



NOTE:

For unready certificates, the display shows only Status.

This feature is applicable for XPR 3500e Bluetooth and Wi-Fi models only.

Authorized Accessories List

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

Table 7: 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 |
| PMAE4069_ | UHF, 400–450 MHz, Stubby Antenna |

| Part Number | Description |
|-------------|-------------------------------------|
| PMAE4070_ | UHF, 440–490 MHz, Stubby Antenna |
| PMAE4071_ | UHF, 470–527 MHz, Stubby Antenna |
| PMAE4079_ | UHF, 400–527 MHz, Slim Whip Antenna |

Table 8: Batteries

| Part Number | Description |
|-------------|---|
| PMNN4406_R | Core Slim Li-Ion, 1600 mAh IP56 Battery |
| PMNN4407_R | IMPRES Slim Li-Ion, 1600 mAh IP56 Battery |
| PMNN4409_R | IMPRES Li-Ion Non-FM, 2250 mAh IP56 Battery |
| PMNN4435_R | Li-Mn 1400 mAh low temp -30 °C IP67 Submersible Battery |
| PMNN4463_ | Battery Li-Ion, IP57 2050 mAh |

| Part Number | Description |
|------------------------|---|
| PMNN4488_ | IMPRES Li-Ion, 3000 mAh, IP68 Battery for Vibrating Belt Clip |
| PMNN4490_ ⁸ | IMPRES Li-Ion, 2900 mAh TIA4950 HAZLOC IP68 Battery |
| PMNN4491_ | IMPRES Slim Li-Ion, 2100 mAh IP68 Battery |
| PMNN4493_ | IMPRES Li-Ion, 3000 mAh IP68 Battery, low voltage |
| PMNN4543_ | Core Li-Ion, 2450 mAh IP68 Battery |
| PMNN4544_ | IMPRES Li-Ion, 2450 mAh IP68 Battery |

Table 9: Carry Devices

| Part Number | Description |
|-------------|--|
| PMLN4651_ | Belt Clip for 2 in. Belt Width |
| PMLN5610_ | 2.5 in. Replacement Leather Swivel Belt Loop |

| Part Number | Description |
|-------------|--|
| PMLN5611_ | 3 in. Replacement Leather Swivel Belt Loop |
| PMLN5863_ | Hard Leather Carry Case with 3 in. Fixed Belt Loop for Limited Keypad Radio |
| PMLN5865_ | Hard Leather Carry Case with 3 in. Swivel Belt for Limited Keypad Radio |
| PMLN5867_ | Hard Leather Carry Case with 2.5 in. Swivel Belt Loop for Limited Keypad Radio |
| PMLN5869_ | Nylon Carry Case with 3 in. Fixed Belt Loop for Limited Keypad Radio |
| PMLN7008_ | Belt Clip for 2.5 in. Belt Width |
| PMLN7296_ | Vibrating Belt Clip for 2.5 in. Belt Width |
| RLN6486_ | Leather Radio Strap |
| RLN6487_ | Leather Radio Strap, Size XL |

⁸ Applicable to XPR 3500e only.

| Part Number | Description |
|-------------|-------------------------------|
| RLN6488_ | Anti-Sway Leather Radio Strap |

Table 10: Chargers

| Part Number | Description |
|-------------|--|
| EPNN9288_ | U.S. Switch Mode Power Supply |
| HKVN4036_ | IMPRES Battery Fleet Management License Key |
| NNTN7392_ | IMPRES Battery Reader |
| NNTN7616_ | IMPRES Vehicular Charger |
| NNTN7677_ | IMPRES Battery Fleet Management Multi-Unit Charger Interface Unit |
| NLN7967_ | Wall Mount Bracket for IMPRES Multi-Unit Charger |
| NNTN8045_ | IMPRES Battery Fleet Management Single-Unit Charger Interface Unit |
| NNTN8117_ | Core Single Unit Charger |
| 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_ | Travel Charger, Rapid Rate with Voltage Regulated Vehicular Charger Adapter, Custom Charger Base, Mounting Bracket, and Coil Cord |
| WPLN4211_ | IMPRES Multi-Unit Charger, Base Only |
| WPLN4212_ | IMPRES Multi-Unit Charger, US/NA Plug |
| WPLN4218_ | IMPRES Multi-Unit Charger with Display, Base Only |
| WPLN4219_ | IMPRES Multi-Unit Charger with Display, US/NA Plug |
| WPLN4232_ | IMPRES Single-Unit Charger with Switch Mode Power Supply |

| Part Number | Description |
|-------------|---|
| WPLN4243_ | IMPRES Single-Unit Charger, Base Only |
| PMPN4174_ | IMPRES Single-Unit Charger CEC Compliant |
| WPLN4253_ | LTD Single-Unit Charger IMPRES (SMPS NA/LA) |

Table 11: Earbuds and Earpieces

| Part Number | Description |
|-------------|---|
| AARLN4885_ | Receive-Only Covered Earbud with Coiled Cord, for Remote Speaker Microphone |
| PMLN4620_ | D-Shell Receive-Only Earpiece (One Size) for Remote Speaker Microphone |
| PMLN5727_ | Earpiece In-Line Mic/PTT Swivel, MagOne |
| PMLN5732_ | Earset with Boom Microphone, MagOne |

| Part Number | Description |
|-------------|---|
| PMLN5733_ | Earbud with In-Line Mic/PTT, MagOne |
| PMLN6757_ | Adjustable D-Style with In-Line Mic and PTT |
| PMLN7396_ | Adjustable Receive-Only Earpiece with Remote Speaker Microphone |
| PMLN7560_ | Receive-Only Earpiece with Translucent Tube |
| RLN4941_ | Receive-Only Earpiece with Translucent Tube and Rubber Eartip for Remote Speaker Microphone |
| RLN6511_ | Clear EP7-Small Hearing Protectors [Sonic Defenders] Ultra Earplugs, 28 dB Noise reduction |
| RLN6512_ | Clear EP7-Medium Hearing Protectors [Sonic Defenders] Ultra Earplugs, 28 dB Noise reduction |
| RLN6513_ | Clear EP7-Large Hearing Protectors [Sonic Defenders] Ultra Earplugs, 28 dB Noise reduction |

| Part Number | Description |
|-------------|--|
| WADN4190_ | Receive-Only Flexible Earpiece for Remote Speaker Microphone |

Table 12: Headsets and Headset Accessories

| Part Number | Description |
|-------------|---|
| PMLN5731_ | Heavy Duty Headset, Noise Cancelling with In-Line PTT |
| PMLN6635_ | Lightweight Over-the-Head Headset Single Muff with In-line Push-to-Talk and Boom Microphone |
| PMLN6759_ | Temple Transducer |
| PMLN6760_ | Next Generation Behind-the-Head Heavy Duty Headset Slim |
| PMLN6761_ | Breeze Headset, MagOne |
| PMLN6763_ | Next Generation Behind-the-Head Heavy Duty Headset, Slim TIA 4950 |
| PMLN7464_ | Over-the-Head Heavy Duty Headset, Slim |

| Part Number | Description |
|-------------|---|
| PMLN7465_ | Over-the-Head Heavy Duty Headset/TIA, Slim |
| RLN6490_ | XBT Behind-the-Neck, Non-secure Wireless Heavy Duty Headset |
| RLN6491_ | XBT Overhead, Non-secure Wireless Heavy Duty Headset |

Table 13: Remote Speaker Microphones

| Part Number | Description |
|-------------|---|
| PMMN4071_ | IMPRES Remote Speaker Microphone Large, Noise Cancelling with 3.5 mm Jack |
| PMMN4073_ | IMPRES Remote Speaker Microphone Small with 3.5 mm Jack |
| PMMN4075_ | Remote Speaker Microphone Small, No Emergency, IP57 |
| PMMN4076_ | Remote Speaker Microphone Small with 3.5 mm Jack |
| PMMN4108_ | IMPRES Remote Speaker Microphone Windporting, IP67 |

Table 14: Surveillance Accessories

| Part Number | Description |
|--------------------|--|
| PMLN6754_ | 3-Wire Surveillance Kit with Quick Disconnect Adapter and Clear Acoustic Tube, Black |
| PMLN6755_ | 3-Wire Surveillance Kit with Quick Disconnect Adapter and Clear Acoustic Tube, Beige |
| PMLN7269_ | 2-Wire Surveillance Kit with Quick Disconnect Adapter and Clear Acoustic Tube, Black |
| PMLN7270_ | 2-Wire Surveillance Kit with Quick Disconnect Adapter and Clear Acoustic Tube, Beige |

Table 15: Wireless

| Part Number | Description |
|--------------------|--|
| NNTN8125_ | Non-secure Wireless Accessory Kit, Operational Critical Wireless Earpiece, standard pair, 12 in. Cable |

| Part Number | Description |
|--------------------|---|
| NNTN8189_ | Non-secure Wireless Bluetooth Accessory Kit, Operational Critical Wireless Earpiece, 12 in. Cable, No Charger |
| NTN2572_ | Earpiece 12 in. Cable, for use with Bluetooth POD |
| PMLN7052_ | Operations Critical Wireless 1-Wire Surveillance Kit with Translucent Tube |
| NNTN8295_ | Non-secure Operational Critical Wireless Earbud with 45.7 in. Cable |
| NNTN8294_ | Non-secure Operation Critical Wireless Earbud with 11.4 in. Cable |
| PMLN6462_ | Non-secure Wireless Accessory Kit |
| PMLN7696_ | Completely Discreet Earpiece Kit |
| NNTN8385_ | Wireless Neckloop Y-adapter and retention hook for Completely Discreet Kit |
| NNTN8296_ | Wireless Covert Kit, includes two sets of 2-Wire Earbuds (1 Black and 1 White), 1-Wire Earbud (Black), |

| Part Number | Description |
|-------------|--|
| | and a 3.5 mm Adapter to plug into any off-the-shelf headphones |
| RLN6500_ | Bluetooth Accessory Kit with NA Power Supply |
| RLN6550_ | Swivel Earpiece with In-line Microphone, Bluetooth Accessory Kit Pod, pack of 3 |
| RLN6556_ | Flexible Earpiece with Boom Microphone, Bluetooth Pod, Charging Cradle |
| PMLN7181_ | MOTOTRBO Bluetooth Accessory Kit, Flexfit Earpiece with NA Power Supply |
| PMLN7203_ | Flexible Fit Swivel Earpiece with Boom Microphone, Bluetooth Accessory Kit Pod, Multipack, pack of 3 |

**NOTE:**

Only applicable for XPR 3500e Bluetooth and Wi-Fi models.

Table 16: Miscellaneous Accessories

| Part Number | Description |
|-------------|--|
| HLN6602_ | Universal Chest Pack |
| HLN9985_ | Waterproof Bag, Includes Large Carry Strap |
| NTN5243_ | Adjustable Black Nylon Carrying Strap (Attaches to D-Ring on Carry Case) |
| RLN4295_ | Small Clip, Epaulet Strap |
| RLN4570_ | Break-A-Way Chest Pack |
| RLN4815_ | Universal Radio Pack and Utility Case, Fanny Pack |
| 1505596Z02 | Replacement Strap for RLN4570_ and HLN6602_ |
| 4280384F89 | Universal Radio Pack, Extension Belt |
| 4200865599 | Wide Leather Belt, 1.75 in. |
| 0104058J40 | Dust Cover |

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 17: 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 |
| 17** | 156.850 | 156.850 |
| 18 | 156.900 | 161.500 |
| 19 | 156.950 | 161.550 |
| 20 | 157.000 | 161.600 |
| * | 157.050 | 161.650 |
| 22 | 157.100 | 161.700 |
| * | 157.150 | 161.750 |
| 24 | 157.200 | 161.800 |
| 25 | 157.250 | 161.850 |
| 26 | 157.300 | 161.900 |
| 27 | 157.350 | 161.950 |
| 28 | 157.400 | 162.000 |
| 60 | 156.025 | 160.625 |
| * | 156.075 | 160.675 |
| 62 | 156.125 | 160.725 |
| 63 | 156.175 | 160.775 |
| * | 156.225 | 160.825 |

| | | |
|------|---------|---------|
| 65 | 156.275 | 160.875 |
| 66 | 156.325 | 160.925 |
| 67** | 156.375 | 156.375 |
| 68 | 156.425 | 156.425 |
| 69 | 156.475 | 156.475 |
| 71 | 156.575 | 156.575 |
| 72 | 156.625 | – |
| 73 | 156.675 | 156.675 |
| 74 | 156.725 | 156.725 |
| 75 | *** | *** |
| 76 | *** | *** |
| 77** | 156.875 | – |
| 78 | 156.925 | 161.525 |
| 79 | 156.975 | 161.575 |
| 80 | 157.025 | 161.625 |
| * | 157.075 | 161.675 |
| * | 157.125 | 161.725 |
| * | 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 18: 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 3500/XPR 3500e**

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 assujéti 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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