MOTOROLA SOLUTIONS

# EVX-S30 User Guide

SEPTEMBER 2026

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# Legal and Support

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Customers or end users in EU and UK countries should contact their local equipment supplier representative or service center for information about the waste collection system in their country.

### Disclaimer

Please note that certain features, facilities, and capabilities described in this document may not be applicable to or licensed for use on a specific system, or may be dependent upon the characteristics of a specific mobile subscriber unit or configuration of certain parameters. Please refer to your Motorola Solutions contact for further information.

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# Legal and Compliance Statements

## Important Safety Information

### RF Energy Exposure and Product Safety Guide for Portable Two-Way Radios

**CAUTION:**
**This radio is restricted to Occupational use only.** Before using the radio, read the RF Energy Exposure and Product Safety Guide for Portable Two-Way Radios which contains important operating instructions for safe usage and RF energy awareness and control for Compliance with applicable standards and Regulations.

Any modification to this device, not expressly authorized by Motorola Solutions, may void the user's authority to operate this device.

*Under Innovation, Science, and Economic Development Canada (ISED) regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Innovation, Science, and Economic Development Canada (ISED). To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.*

*This radio transmitter has been approved by Innovation, Science, and Economic Development Canada (ISED) to operate with Motorola Solutions-approved antenna with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.*

## Notice to Users (FCC)

This device complies with Part 15 of the FCC rules per the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications made to this device, not expressly approved by Motorola Solutions, could void the authority of the user to operate this equipment.

## Notice to Users (ISED)

The operation of your Motorola Solutions radio is subject to the Radiocommunications Act and must comply with rules and regulations of the Federal Government's department of Innovation, Science, and Economic Development Canada (ISED). ISED requires that all operators using Private Land Mobile frequencies obtain a radio license before operating their equipment.

## Supplier's Declaration of Conformity

| **Supplier's Declaration of Conformity**<br>Per FCC CFR 47 Part 2 Section 2.1077(a) |
|---|

Responsible Party

Name: Motorola Solutions, Inc.

Address: 2000 Progress Pkwy, Schaumburg, IL. 60196

Phone Number: 1-800-927-2744

Hereby declares that the product:

Model Name: **EVX-S30**

conforms to the following regulations:

FCC Part 15, subpart B, section 15.107(a), 15.107(d), and section 15.109(a)

**Class B Digital Device**

As a personal computer peripheral, this device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

# Warranty

## Warranty Information

The authorized Motorola Solutions dealer or retailer where you purchased your Motorola Solutions two-way radio and/or original accessories will honor a warranty claim and/or provide warranty service.

Please return your radio to your dealer or retailer to claim your warranty service. Do not return your radio to Motorola Solutions.

In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The two-way radio should also clearly display the

serial number. The warranty will not apply if the type or serial numbers on the product have been altered, deleted, removed, or made illegible.

## What Is Not Covered By The Warranty

- Defects or damage resulting from use of the Product in other than its normal and customary manner or by not following the instructions in this user manual.
- Defects or damage from misuse, accident, or neglect.
- Defects of damage from improper testing, operation, maintenance, adjustment, or any alteration or modification of any kind.
- Breakage or damage to aerials unless caused directly by defects in material or workmanship.
- Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.
- Defects or damage due to range.
- Defects or damage due to moisture, liquid, or spills.
- All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use.
- Products rented on a temporary basis.
- Periodic maintenance and repair or replacement of parts due to normal usage, wear, and tear.

## Copyright Information

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# Contents

**Legal and Support** ..... 2
Intellectual Property and Regulatory Notices ..... 2
Legal and Compliance Statements ..... 3
Important Safety Information ..... 3
Notice to Users (FCC) ..... 3
Notice to Users (ISED) ..... 3
Supplier's Declaration of Conformity ..... 3
Warranty ..... 4
**Read Me First** ..... 9
**Chapter 1: Radio Overview** ..... 11
1.1 Radio LED Indications ..... 12
1.2 Programmable Button ..... 12
1.2.1 Assignable Radio Functions ..... 13
1.3 Radio Display ..... 15
1.4 Battery Indication ..... 16
**Chapter 2: Getting Started** ..... 17
2.1 Charging the Battery ..... 17
2.2 Attaching the Battery ..... 18
2.3 Removing the Battery ..... 19
2.4 Attaching the Antenna ..... 19
2.5 Removing the Antenna ..... 20
2.6 Attaching the Belt Clip ..... 20
2.7 Removing the Belt Clip ..... 21
2.8 Opening the USB-C Dust Cover ..... 21
2.8.1 Recommended USB C Connector Cleaning Guidelines ..... 21
2.9 Installing an Audio Accessory ..... 22
2.10 Turning the Radio On ..... 23
2.11 Turning the Radio Off ..... 23
2.12 Adjusting the Volume ..... 23
**Chapter 3: Radio Operations Features** ..... 24
3.1 Accessing the Menu Settings ..... 24
3.2 Selecting Channels ..... 25
3.3 Selecting Channel Groups ..... 25
3.4 Transmitting and Receiving ..... 26
3.5 Busy Channel Lockout ..... 26
3.6 Busy Tone Lockout ..... 26

3.7 Color Code Lockout..... 26
3.8 Automatic Time-Out Timer..... 26
3.9 Auto Range Transpond System..... 27
3.10 Initiating Transmit Interrupt..... 27
3.11 Types of Calls..... 27
3.11.1 Making Calls on the Radio..... 28
3.11.2 Making Calls with Programmable Keys..... 28
3.11.3 Making Calls with Contact List..... 28
3.11.4 Receiving and Responding to Calls on the Radio..... 28
3.11.5 Accepting Private Calls..... 28
3.11.6 Making Call Alerts..... 29
3.11.7 Stunning Radios..... 29
3.11.8 Reviving Stunned Radios..... 30
3.11.9 Sending Radio Check..... 30
3.11.10 Making Selective Call..... 31
3.11.10.1 Resetting Selective Call..... 31
3.12 Types of Signaling System..... 31
3.12.1 Sending Codes with List..... 32
3.12.2 Sending Codes with Programmable Buttons..... 32
3.12.3 Sending a 5-Tone Status Code..... 33
3.12.4 Viewing a 5-Tone Status Details..... 33
3.12.5 Sending DTMF Code with Dial Feature..... 33
3.13 Checking the Operating System ID..... 33
3.14 Scan..... 34
3.14.1 Enabling or Disabling Scan..... 34
3.14.2 Setting Scan Set or Group Scan Set..... 35
3.15 Setting the Monitor Feature..... 35
3.16 Setting Radio Squelch..... 35
3.17 Setting Power Levels..... 36
3.18 Setting AF Minimum Volume Level..... 36
3.19 Configuring Radio Beeps..... 37
3.20 Setting Backlight..... 37
3.21 Setting Privacy..... 37
3.22 Setting Encryption..... 38
3.23 Setting Lone Worker..... 38
3.24 Enabling and Disabling CTCSS/DCS Bell..... 39
3.25 Enabling and Disabling Priority 2 Channel..... 39
3.26 Setting the Voice Operating Transmission..... 39
3.27 Talkaround..... 40
3.27.1 Enabling and Disabling Talkaround..... 40

3.28 Duty....40
3.28.1 Enabling or Disabling Duty.... 40
3.29 Enabling and Disabling Transmit Battery Saver....41
3.30 Messages....41
3.30.1 Managing Messages for Digital Mode.... 41
3.30.2 Managing Messages for Analog Mode.... 42
3.31 Viewing Received Station ID.... 43
3.32 Setting the Emergency Operation....43
3.33 Site Search Operation....43
3.34 Locking and Unlocking PTT and Programmable Buttons....44
3.34.1 Setting the Lock Configuration.... 44
Chapter 4: Authorized Accessories List.... 45

# Read Me First

The EVX-S30 is a compact digital and analog transceiver designed for business communications in the UHF Land Mobile band.

The EVX-S30 supports configuration for various business applications and accommodates up to 256 channels within a maximum of 16 groups. Channel frequency data is stored in flash memory and programmed by authorized dealers using a computer.

To configure the device, licensed dealers use the following Motorola Solutions equipment:

- EVX-S30 Computer Programming Software
- PMKN4294_ USB-A to USB-C Programming Cable

## Important Notice for North American Users Regarding 406 MHz Guard Band

The U.S. Coast Guard and National Oceanographic and Atmospheric Administration request the cooperation of the U.S. Federal Communications Commission in preserving the integrity of the protected frequency range 406.0 MHz–406.1 MHz, which is reserved for use by distress beacons. Do not program this apparatus, under any circumstances, for operation in the frequency range 406.0 MHz–406.1 MHz if the apparatus is used in or near North America.

**WARNING:** The frequency band 406.0 MHz–406.1 MHz is reserved for use **only** as a distress beacon by the U.S. Coast Guard and United States National Oceanic and Atmospheric Administration (NOAA). Under no circumstances should this frequency band be part of the preprogrammed operating frequencies of this radio.

## Notations Used in This Manual

Throughout this publication, you notice the use of **Warning**, **Caution**, and **Notice**. These notations emphasize that safety hazards exist and the care that must be taken or observed.

**WARNING:** An operational procedure, practice, or condition that may result in injury or death if not carefully observed.

**CAUTION:** An operational procedure, practice, or condition that may result in damage to the equipment if not carefully observed.

**NOTE:** An operational procedure, practice, or condition that is essential to emphasize.

## Analog and Digital Modes Indications

Throughout this publication, the following icons indicate features that operate in either analog mode or digital mode:

**☑ Analog**

Indicates an analog mode only feature.

**☑ Digital**

Indicates a digital mode only feature.

For features that are available in both analog and digital modes, no icon is shown.

**IMPORTANT:**

- There are no owner-serviceable parts inside the radio. All service jobs must be referred to an authorized Motorola Solutions dealer.
- To maintain the specified water integrity performance, periodic maintenance is recommended.
- Contact your authorized Motorola Solutions dealer if the radio sustains a severe shock such as being dropped, the water integrity may be compromised and requires service.

## Dust and Waterproof Rating

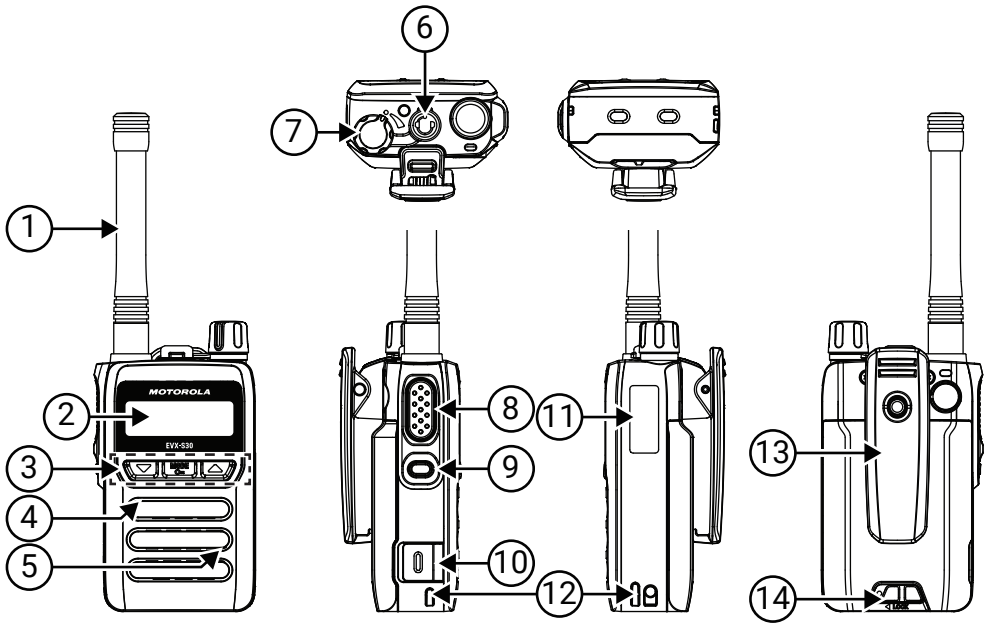
**IMPORTANT:** The dust and waterproof rating of the transceiver (IP67) is assured only when the following conditions are met:

- The battery cover is attached to the transceiver.
- The antenna is connected to the antenna jack.
- The rubber cover is installed over the USB-C Connector.
- The audio jack cover is installed in the audio jack, or the speaker and microphone approved with an IP67 rating are installed in the audio jack.

Chapter 1

# Radio Overview

**Figure 1: Radio Overview**




| Number | Description |
|---|---|
| 1 | Antenna |
| 2 | Display |
| 3 | Programmable Front Buttons<br>Up and Down buttons default settings:<br>• Press Key: Channel Up and Down<br>• Press and Hold: Speed Channel Up and Down<br>MODE/LOCK button default settings:<br>• Press Key: Menu Mode Active<br>• Press and Hold: Key Lock Function |
| 4 | Microphone |
| 5 | Speaker Port |
| 6 | Audio Jack Cover |
| 7 | Power/Volume Knob |
| 8 | PTT Button |
| 9 | Programmable Side Button<br>Default settings: |

| Number | Description |
|---|---|
| | • Press Key: Lamps On<br>• Press and Hold: Not assigned |
| 10 | USB-C Connector Dust Cover |
| 11 | Label Recess |
| 12 | Charging Rail |
| 13 | Belt Clip |
| 14 | Battery Cover Latch |

1.1
# Radio LED Indications

**Table 1: Radio LED Indications (Default Settings)**

| Indication | Status |
|---|---|
| Solid Blue | **Digital mode**<br>The radio is transmitting. |
| Solid Red | **Analog mode**<br>The radio is transmitting. |
| Solid Cyan | The radio is scanning. |
| Blinking Green | The radio is receiving a signal. |
| Solid Green | The radio is monitoring a channel. |
| Blinking Yellow | The radio is in emergency mode. |
| Blinking Red | The battery capacity is low. |

**NOTE:** You can change the LED indication color through Customer Programming Software (CPS).

1.2
# Programmable Button

The radio includes four programmable buttons. The programmable buttons are programmed by your dealer to meet communication or network requirements.

The radio includes **MODE/LOCK**, **SIDE**, **Up**, and **Down** buttons.

Each programmable button can be assigned to any function, with a maximum of two functions per button. Functions are activated by either pressing and releasing, or pressing and holding the programmable buttons.

**Table 2: Button Press Duration**

| Action | Description |
|---|---|
| Press | Press and release. |
| Press and hold | Press and hold for one second or longer, depending on the settings through the Customer Programming Software (CPS). |

1.2.1

# Assignable Radio Functions

You can assign a list of radio functions to the programmable buttons.

**Table 3: Types of Programmable Functions**

| Function | Description |
|---|---|
| Monitor [1] | Allows you to activate or deactivate any signaling feature. |
| Lamp | Allows you to enable the backlight of the display and keypad for five seconds. |
| Low Power | Allows you to toggle the radio transmit power between high and low to extend battery life in Low Power mode. |
| Encryption[1] | Allows you to enable and disable the Analog Voice Inversion Encryption feature. |
| Privacy [2] | Allows you to enable and disable the Digital Privacy feature. The Privacy feature prevents eavesdropping by unauthorized users. |
| Privacy Set | Allows you to adjust the privacy setting based on your security requirements. |
| SET | Allows you to enter the Menu. |
| SQL OFF[1] | Allows you to activate the radio squelch or unmute the audio to monitor background noise. |
| SQL Set [1] | Allows you to toggle the squelch level between open, threshold, normal, and tight. |
| Beep OFF | Allows you to enable the Beep Off feature to temporarily disable all radio beeps (alert tones).<br>Press the programmable button again to restore radio beeps. |
| AF Min Volume | Allows you to reduce the audio output to the programmed lower audio level. |
| Whisper | Allows you to increase the microphone gain and speak in a low voice temporarily while transmitting.<br>When enabled, the radio briefly displays `WHISP ON`.<br>When disabled, the radio briefly displays `WHISP OFF`. |
| VOX | Voice Operating Transmission (VOX) allows you to initiate hands-free voice-activated calls. The radio automatically transmits after detecting audio without having to press the PTT button. |
| VOX Set | Allows you to manually adjust the VOX Gain level. |
| VOX Anti-Trip | Allows you to prevent the transceiver from activating a VOX transmission due to internal or external radio alert tones. |
| Emergency | Allows you to set up an emergency call. |
| Lone Worker | Allows you to enable and disable the Lone Worker feature. |
| Group Up or Down | Allows you to select a different group of channels. |

[1] Analog

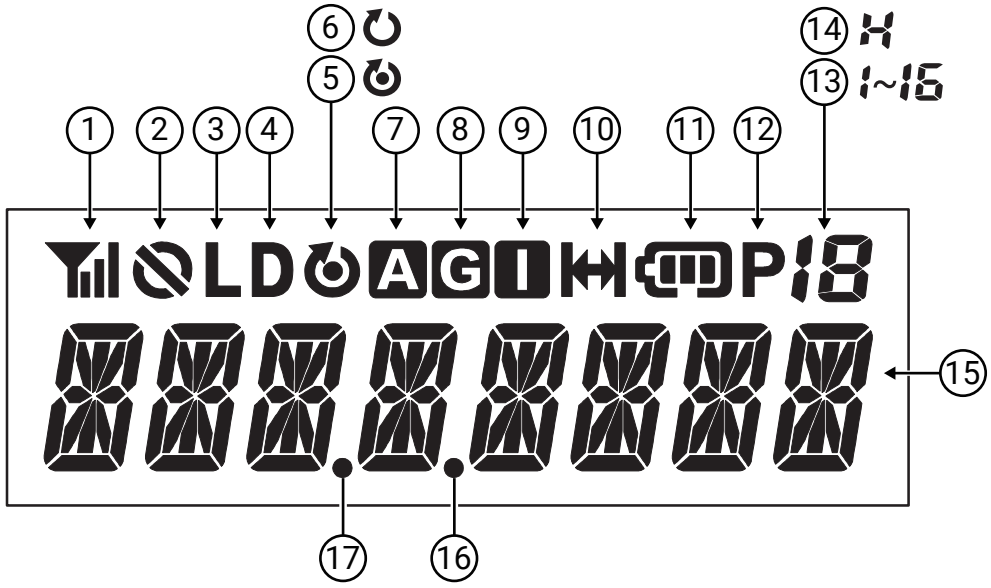
| Function | Description |
|---|---|
| CH Up or Down | Allows you to select a different channel. |
| Speed Channel Up or Down | Allows you to scroll through channels until you release the assigned programmable button. |
| PRI-1 and PRI-2 | Allows you to select priority channel 1 or 2 that the dealer presets. |
| PRI-2 Set | Allows you to store the current channel to priority channel 2 slot. |
| PRI-2 Disable | Allows you to disable priority channel 2 of the group temporarily. |
| Scan | Allows you to toggle scan on or off. |
| Group Scan | Allows you to toggle group scan on or off. |
| Dual Watch | Allows you to activates scanning process on the current operating channel and priority channel 2. |
| FM Scan | Follow Me (FM) Scan allows you to add a custom priority channel to your programmed scan list. |
| Scan Set | Allows you to include the current channel to the pre-programmed scan list.<br>Allows you to temporarily remove the current channel from the pre-programmed scan list during the scanning process when scanner is paused. |
| Group Scan Set | Allows you to include the current Group to the scanning loop.<br>Allows you to bypass the current Group during Group Scan. |
| TA Scan | Allows you to toggle the Talkaround (TA) Scan on or off. |
| Talkaround | Allows you to bypass the repeater and communicate directly with nearby radios on a duplex system. |
| Search[2] | Allows your radio to automatically connect to the station with the strongest Received Signal Strength Indicator (RSSI). |
| Reset[1] | Allows you to end a selective call. |
| Code Up or Down | Allows you to select and send a 2-Tone, 5-Tone, or Dual-Tone Multi-Frequency (DTMF) code from the programmed encode list. |
| Speed Dial | Allows you to send a pre-defined DTMF tone to a programmed telephone number from the radio Auto-Dial memory. |
| Call | Allows you to initiate a call. |
| Status Up or Down[1] | Allows you to select and transmit a 5-Tone status code from a predefined list to other radios. |
| Status Check[1] | Allows you to check the 5-Tone receive status code. |
| Duty[1] | Allows you to enable or disable the Duty feature. |
| ID Check | Allows you to confirm the operating system logged identification (ID) for the current operating channel. |
| Text Message | Allows you to send and receive text messages between your radio and other radios. |

[2] Digital

| Function | Description |
|---|---|
| Remote Halt TX | Allows a priority user to interrupt an ongoing transmission to ensure critical messages transmit immediately. |
| TX Save Disable | Allows the radio to extend battery life by reducing transmit power when the radio receives a very strong signal from a nearby station. |
| Lock | Allows you to lock the programmable button and PTT button to prevent accidental channel changes or unintended transmissions. |

1.3
# Radio Display

## Display Icons and Indicators




| Label | Description |
|---|---|
| 1 | TX Power and RSSI Indicator (four steps) |
| 2 | Privacy or Encryption is active |
| 3 | Low Transmit Power Mode is active |
| 4 | Dual Watch is active |
| 5 | Priority Scan is active |
| 6 | Scan is active |
| 7 | TX ID Type is All Call |
| 8 | TX ID Type is Group Call |
| 9 | TX ID Type is Individual Call (Private Call) |
| 10 | Talk-Around is active |

| Label | Description |
|---|---|
| 11 | Battery Gauge |
| 12 | Priority-2 Channel |
| 13 | Group Number |
| 14 | Priority-1 Channel |
| 15 | Eight-character Alphanumeric Display |
| 16 | Group Scan is active |
| 17 | Lone Worker is active. The dot indication appears continuously until the feature is inactive, regardless of the operation status of other active features. |

## 1.4
# Battery Indication

| Status | Description |
|---|---|
| | **Full**: Battery is fully charged. |
| | **Moderate**: Sufficient power remains. |
| | **Low**: Battery is running low. |
| | **Critical**: The battery icon blinks. Charge the battery. |

Chapter 2

# Getting Started

This section helps you to get familiar with the basic operations of the device.

## 2.1 Charging the Battery

Your radio is powered by a Lithium-Ion (Li-Ion) battery.

**Prerequisites:** Turn off the radio before charging the battery.

**Procedure:**

To comply with warranty terms and prevent damage, charge the battery with an authorized charger.

A fully discharged battery requires 1.5 to 4.5 hours to charge completely.

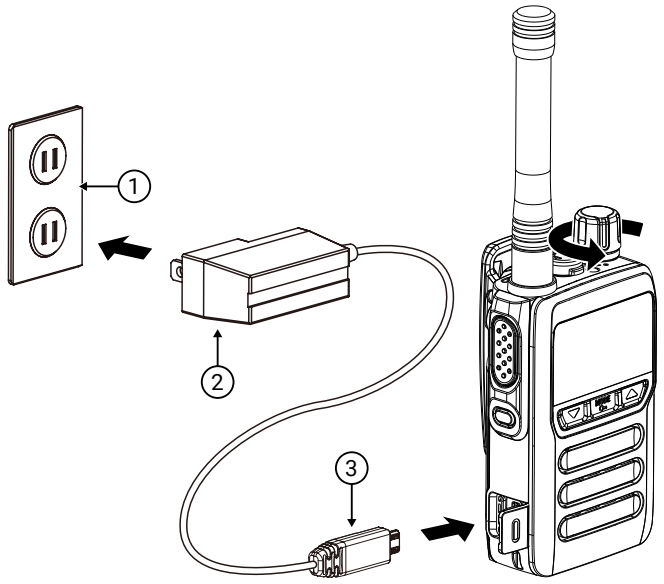



**Table 4: Charging the Battery**

| Item | Description |
|---|---|
| 1 | AC line out |
| 2 | AC adapter PS000150A21<br>For more information on AC adapters, see Authorized Accessories List on page 45. |
| 3 | USB-C jack |

Red LED indicator illuminates when charging.

When charging is complete, the LED indicator turns off.

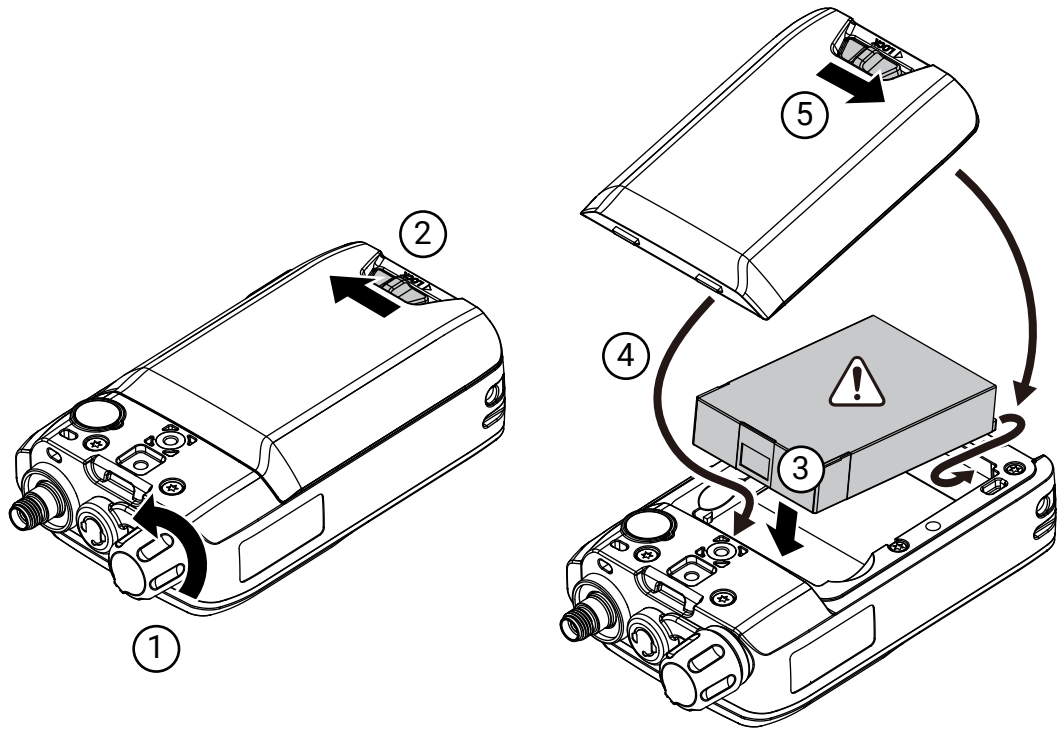
**CAUTION:**

- Use only Motorola Solutions-approved batteries and chargers.
- To reduce the risk of explosion, recharge the batteries outside hazardous locations.
- Perform battery charging where the ambient temperature range is +5 °C to +40 °C (+41 °F to +104 °F). Charging outside this temperature range can damage the battery pack.
- Do not expose the battery pack to excessive heat, such as sunshine, fire, or similar heat sources.

## 2.2 Attaching the Battery

**Procedure:**

1. Turn the **Volume/Power** knob counterclockwise to the **OFF** position.
2. To remove the battery cover latch, slide the battery cover latch into the unlock position.
3. Place the battery pack into the radio battery compartment.
4. Align the cover tabs with the radio slots, and slide the cover into place.
5. Slide the battery cover latch into the lock position.



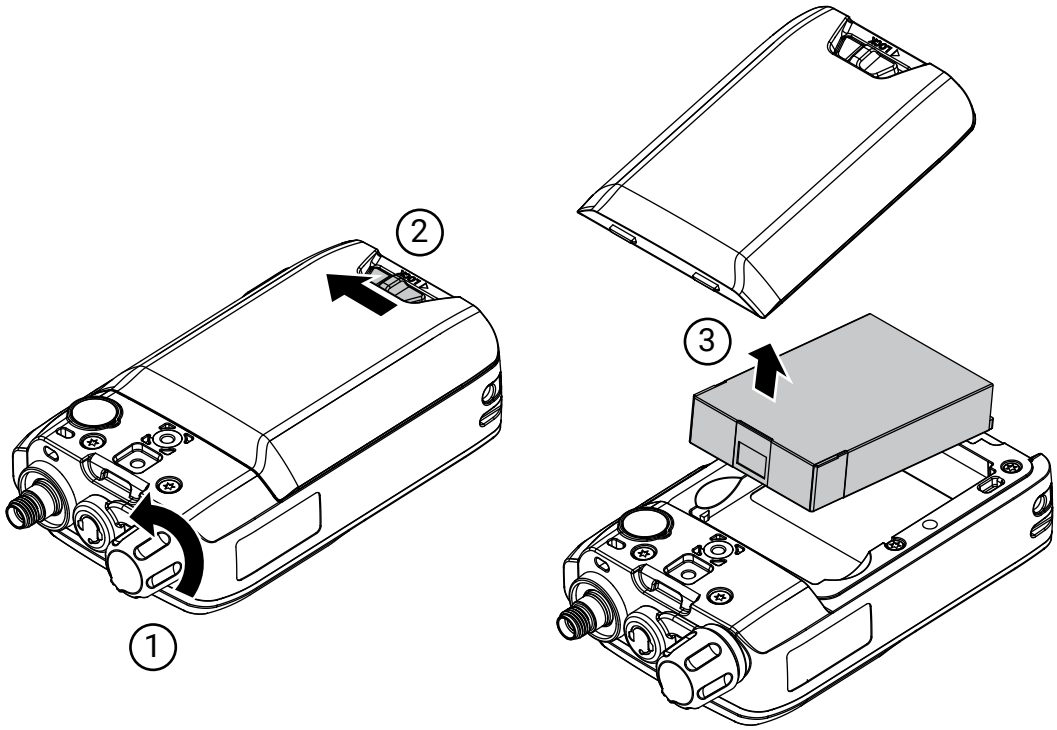

**CAUTION:**

- Risk of explosion if the battery is replaced with an incorrect type. Dispose of used batteries according to the instructions.
- Do not attempt to open any rechargeable Lithium-Ion packs, as they can explode if accidentally short-circuited.

## 2.3
# Removing the Battery

**Procedure:**

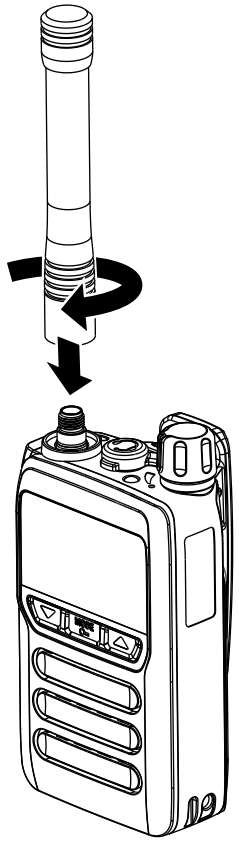
1. Turn off the radio.
2. Remove protective cases.
3. To remove the battery cover latch, slide the battery cover latch into the **UNLOCK** position.
4. Grip the top side of the battery pack, then pull out the battery pack.




## 2.4
# Attaching the Antenna

**Procedure:**

1. Place the antenna in the receptacle.
2. Rotate the antenna clockwise.



**CAUTION:** Do not transmit without the antenna.

## 2.5 Removing the Antenna

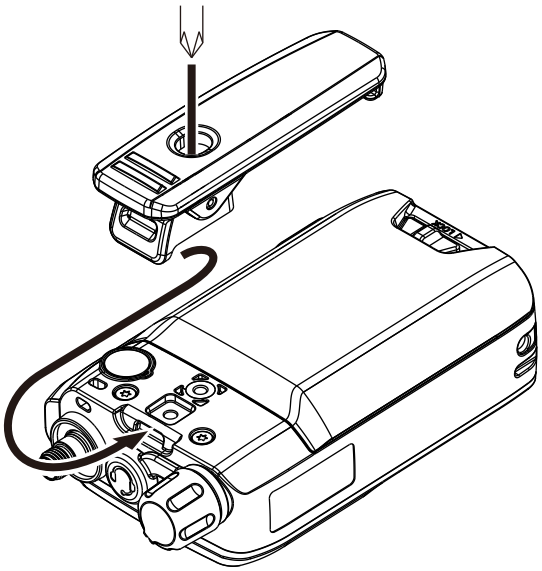
**Procedure:**

1. Turn the antenna counterclockwise.
2. Remove the antenna from the receptacle.

## 2.6 Attaching the Belt Clip

**Procedure:**

1. Align the tab on the upper side of the belt clip with the slot on the radio.
2. Secure the belt clip by tightening the belt clip screw to the radio chassis.



## 2.7 Removing the Belt Clip

**Procedure:**

1. Loosen the belt clip screw.
2. Remove the belt clip from the radio.

## 2.8 Opening the USB-C Dust Cover

The dust cover prevents dust, water stains, and other foreign materials from entering and damaging the radio and the USB-C connector.

**Procedure:**

To open the dust cover, pull the cover out.

### 2.8.1 Recommended USB C Connector Cleaning Guidelines

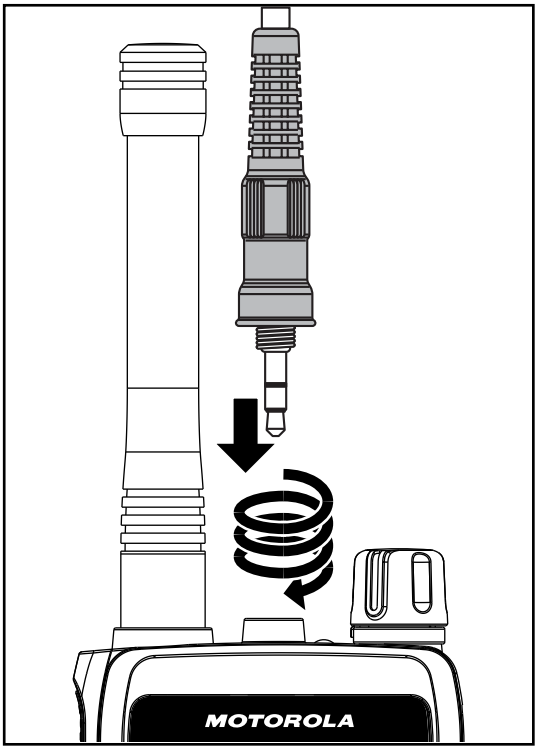
- Disconnect the wall adapter or cable from the power source. Unplug the USB-C plug from the product.
- Clean the external surface of USB-C with clean paper cloth or cloth.
- Inspect the internal compartment of USB-C using a magnifying glass for the presence of any foreign material.
- Using a lens blower, clear the dust and particles from inside the USB-C compartment.
- Inspect the USB-C again to check for any remaining debris.
- Allow the unit to air dry.

**NOTE:** Use the lens blower as necessary to ensure that the USB-C compartment is completely clear of dust and particles.

2.9
# Installing an Audio Accessory

**Procedure:**

1. Turn off the radio.
2. To install a speaker microphone or other audio accessories, lift the rubber cap from the radio audio jack.
3. Insert the threaded microphone plug into the audio jack, and screw the plug tightly into place.




**CAUTION:** Ensure you do not damage the speaker or microphone cable.

**NOTE:** Inserting the plug into the jack disables the internal speaker.

4. To listen, hold the speaker grille up to your ear.
5. To transmit, press the **PTT** button on the speaker or microphone.

**NOTE:**

- Pressing the **PTT** button on the speaker or microphone disables the internal microphone. Releasing the **PTT** button enables the internal microphone and disables the external speaker or microphone.
- To maintain the IP67 dust and waterproof rating, reinstall the rubber cap onto the audio jack whenever an audio accessory is not in use.

## 2.10
# Turning the Radio On

**Procedure:**

Turn the **Volume/Power** knob clockwise.

## 2.11
# Turning the Radio Off

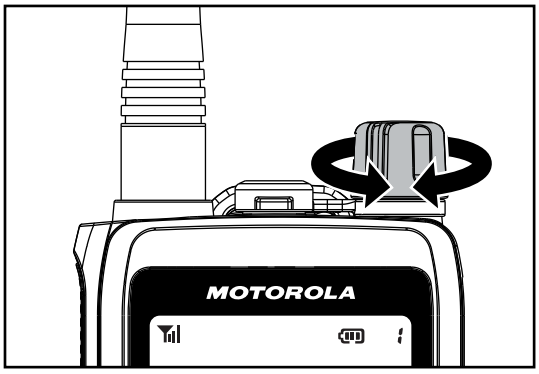
**Procedure:**

Turn the **Volume/Power** knob counterclockwise.

## 2.12
# Adjusting the Volume

**Procedure:**

Turn the **Volume/Power** knob clockwise to increase the volume, or counterclockwise to decrease the volume.



Chapter 3

# Radio Operations Features

The radio supports two modes of Digital Mobile Radio (DMR) operation to maximize spectrum efficiency.

Standard operation uses a Time Division Multiple Access (TDMA) repeater to enable the dual time slot capability of the repeater, doubling communication paths for up to two simultaneous transmissions in your radio fleet.

Direct mode provides two communication paths on a single frequency, doubling capacity with only the subscriber radios. A repeater is not required when operating in Direct mode.

## 3.1 Accessing the Menu Settings

Menu mode allows you to configure various settings, such as squelch, key lockout configuration, and others.

**Procedure:**

1. To enter menu mode, press the **MODE/LOCK** button.
2. To select a feature and change the setting, press the **Up** or **Down** buttons.
3. To confirm the feature, press the **MODE/LOCK** button.
4. To adjust the settings, press the **Up** or **Down** button.

   You can return to the previous screen by pressing the **SIDE** button.
5. To save the new setting and exit to normal operation, press the **MODE/LOCK** button.
6. To exit and return to normal operation without saving the new setting, press and hold the **MODE/LOCK** button.

**Table 5: Menu Settings**

| Menu List | |
|---|---|
| LIST | |
| | Digital Contact List |
| | 5-Tone Code Select |
| | 2-Tone Code Select |
| | DTMF Code Select |
| | MDC1200 ID Select |
| Group | |
| Scan | |
| Utility | |
| | Monitor |
| | SQL OFF |
| | Power |
| | Minimum Volume Level |

| Menu List | |
|---|---|
| | Beep |
| | Beep Level |
| | SQL level |
| | Lighting |
| | ENCR |
| | Privacy Select |
| | Lone Worker |
| | Bell |
| | PRI-2 |
| | VOX |
| | VOX Anti-Trip |
| | VOX Level |
| | TA |
| | Scan Set/Skip |
| | Group Scan Set/Skip |
| | Duty |
| | TX Save Disable |
| | Lock Key |
| | Lock PTT |
| DIAL | |
| Message | |
| History | |
| LOCK | |

## 3.2 Selecting Channels

**Procedure:**

To select the preferred operating channel, press the **Up** or **Down** button.

The radio displays the channel name.

You can select an operating channel from a different channel group before selecting the operating channel.

## 3.3 Selecting Channel Groups

Your radio can be programmed with multiple channel groups.

To switch between channel groups, perform the following procedures:

**Procedure:**

1. From the menu, select **Group**
2. To select a channel group, press the **Up** or **Down** button.
3. To accept the group, press the **MODE/LOCK** button.

   The group name briefly appears on the display and then appears in the upper-right corner.

## 3.4 Transmitting and Receiving

**Procedure:**

1. To transmit calls, press and hold the **PTT** button.
2. Speak clearly into the microphone.
3. Release the **PTT** button to listen.

## 3.5 Busy Channel Lockout

If the Busy Channel Lockout (BCLO) feature is programmed on the channel, the radio does not transmit when a carrier is present.

The radio generates three short beeps. Release the **PTT** button and wait for the channel to clear of activity.

## 3.6 Busy Tone Lockout

If the Busy Tone Lockout (BTLO) feature is programmed on an analog channel, the radio transmits only when no carrier is received or when the received carrier includes the correct tone, such as a Continuous Tone-Coded Squelch System (CTCSS) tone or a Digital Coded Squelch (DCS) code, on an analog channel.

## 3.7 Color Code Lockout

If the Color Code Lockout (CCLO) feature is programmed on a digital channel, the radio transmits only if no carrier is being received or if the received carrier includes a different code than the one set on the digital channel.

## 3.8 Automatic Time-Out Timer

If the selected channel is programmed with an Automatic Time-Out Timer, transmissions are limited to a fixed duration, configured using the programming software.

A warning tone sounds before the Automatic Time-Out Timer expires, followed by a second tone when the radio reaches the pre-set maximum transmission time. The red LED indicator turns off, and transmission activity stops.

To resume transmission, release the **PTT** button and wait for the penalty timer to expire.

3.9
# Auto Range Transpond System

The system notifies the operator when Auto Range Transpond System (ARTS™) equipped transceivers and stations are within communication range by using the Digital Coded Squelch (DCS) Encoder or Decoder.

During ARTS operation, when the radio receives an incoming ARTS signal, a tone sounds, and `IN SERV` appears on the display for two seconds.

If you move out of range for more than two minutes, the radio detects that no signal is received, a tone sounds, and `OUT SERV` appears on the display for two seconds.

When you move back into communication range and the ARTS signal transmission from another transceiver or station is detected, a tone sounds, and `IN SERV` appears on the display for two seconds.

3.10
# Initiating Transmit Interrupt

☑ **Digital**

The Transmit Interrupt feature enables a priority user, assigned through the programming software, to halt or interrupt any current transmission. The channel becomes available for sending a priority message. Transmit Interrupt functionality ensures delivery of critical messages.

**Procedure:**

1. Press the programmed **TX Interrupt Remote Dekey** button.

   The channel clears.

2. To transmit the priority message, press the **PTT** button.

3.11
# Types of Calls

There are several ways to make a call with your radio, depending on the call type and the mode your radio is operating in.

**Table 6: Types of Radio Calls**

| Call Type | Digital Mode | Analog Mode |
|---|---|---|
| **Group Call**<br>A Group Call is a point-to-multipoint call operation. Your radio must be configured as a member of the group for you to communicate with each other. | ✓ | ✗ |
| **Private Call**<br>A Private Call is a call from an individual radio to another individual radio. | ✓ | ✗ |
| **All Call**<br>An All Call is a call from an individual radio to every radio on the site or every radio at a group of sites. It is used to make important announcement. | ✓ | ✗ |

| Call Type | Digital Mode | Analog Mode |
|---|---|---|
| **Selective Call**<br>A Selective Call is a call from an individual radio to another individual radio. It is a Private Call on an analog system. | ✗ | ✓<br>MDC1200 |

### 3.11.1
## Making Calls on the Radio

**Procedure:**

1. Press and hold the **PTT** button.
2. Speak into the microphone at a normal voice level.
3. To listen, release the **PTT** button.

### 3.11.2
## Making Calls with Programmable Keys

**Procedure:**

1. Press the programmed **Call** feature.
2. Select the required contact alias using the **Up** or **Down** buttons and press the **MODE/LOCK** button.

### 3.11.3
## Making Calls with Contact List

**Procedure:**

1. Press the programmed **LIST**→**Digital Contact List**.
2. Select the required contact alias using the **Up** or **Down** buttons and press the **MODE/LOCK** button.

### 3.11.4
## Receiving and Responding to Calls on the Radio

When you receive calls, your radio shows the following indications:

- For digital mode, the radio illuminates blue LED.
- For analog mode, the radio illuminates Red LED.

**Procedure:**

1. To respond, press and hold the **PTT** button.
2. To listen, release the **PTT** button.

### 3.11.5
## Accepting Private Calls

When you receive calls, your radio shows the following indications:

- The radio illuminates green LED.

- The radio displays the Individual Call icon.

**Procedure:**

1. To respond, press and hold the **PTT** button.
2. To listen, release the **PTT** button.

### 3.11.6
## Making Call Alerts

☑ **Digital** ☑ **Analog**

**Procedure:**

1. Perform one of the following actions:
   - From the menu, select **LIST**→**Digital Contact List**.
   - From the menu, select **LIST**→**MDC1200 ID Select**.
2. Select the required contact alias using the **Up** or **Down** buttons and press the **MODE/LOCK** button.
3. To transmit the Call Alert command to the designated radio, select **CALL ALT** using the **Up** or **Down** buttons and press the **MODE/LOCK** button.

**Result:**
Your radio shows the following indications:

- Your radio displays `-CALL ALT-`
- If the call alert succeeds, your radio displays `ACK RECV`
- If the call alert fails, your radio displays `-NO ACK-`

### 3.11.7
## Stunning Radios

☑ **Digital** ☑ **Analog**

**Procedure:**

1. Perform one of the following actions:
   - From the menu, select **LIST**→**Digital Contact List**.
   - From the menu, select **LIST**→**MDC1200 ID Select**.
2. Select the required contact alias using the **Up** or **Down** button and press the **MODE/LOCK** button.
3. To transmit the stun command to the designated radio, select **STUN** and press the **MODE/LOCK** button.

**Result:**
Your radio shows the following indications:

- Your radio displays `-CAL IN`.
- If the stunning command succeeds, the receiver replies with an acknowledgment command and goes into stunned mode. Your radio displays `ACK RECV`.
- If the stunned command fails, your radio displays `-NO ACK`.

## 3.11.8 Reviving Stunned Radios

☑ **Digital** ☑ **Analog**

**Procedure:**

1. Perform one of the following actions:
   - From the menu, select **LIST**→**Digital Contact List**.
   - From the menu, select **LIST**→**MDC1200 ID Select**.
2. Select the required contact alias using the **Up** or **Down** button and press the **MODE/LOCK** button.
3. To transmit the revive command to the designated radio, select **REVIVE** and press the **MODE/LOCK** button.

**Result:**
Your radio shows the following indications:

- Your radio displays `-REVIVE-` or `-CAL IN-`.
- If the revive command succeeds, the receiver replies with an acknowledgment command and revive from the stunned mode. Your radio displays `ACK RECV`.
- If the call alert fails, your radio displays `-NO ACK-`.

## 3.11.9 Sending Radio Check

☑ **Digital** ☑ **Analog**

**Procedure:**

1. Perform one of the following actions:
   - From the menu, select **LIST**→**Digital Contact List**.
   - From the menu, select **LIST**→**MDC1200 ID Select**.
2. Select the required contact alias using the **Up** or **Down** button and press the **MODE/LOCK** button.
3. To transmit the radio status command to the designated radio, select **RADIO CK** and press the **MODE/LOCK** button.

**Result:**
Your radio shows the following indications:

- Your radio displays `-RADIO CK-` or `-CAL IN-`.
- If the radio check succeeds, the receiver replies with an acknowledgment command. Your radio displays `ACK RECV`.
- If the radio check fails, your radio displays `-NO ACK-`.

3.11.10
# Making Selective Call

**Procedure:**

1. Perform one of the following actions:
   - From the menu, select **LIST**→**Digital Contact List**.
   - From the menu, select **LIST**→**MDC1200 ID Select**.
2. Select the required contact alias using the **Up** or **Down** button and press the **MODE/LOCK** button.
3. To transmit the selective call command to the designated radio, select **SEL CALL** and press the **MODE/LOCK** button.

**Result:**
Your radio shows the following indications:

- If the selective call succeeds, the receiver replies with an acknowledgment command and display transmitting radio ID.
- If the selective call fails, your radio displays `-NO ACK-`.

3.11.10.1
## Resetting Selective Call

☑ **Analog**

**Procedure:**

To terminate communication and reset the Selective Call feature, if configured, press the **Reset** programmable button.

3.12
# Types of Signaling System

There are several ways to make a call with your radio, depending on the call type and the mode your radio is operating in.

**Table 7: Types of Codes**

| Code Type | Analog Mode | Digital Mode |
|---|---|---|
| **5-Tone Code Select**<br>5-Tone Code Select allows you to select or send the 5-Tone encode code from the pre-programmed encoder list. | ✓ | ✗ |
| **2-Tone Code Select**<br>2-Tone Code Select allows you to select or send the 2-Tone encode code from the pre-programmed encoder list. | ✓ | ✗ |
| **Dual Tone Multi Frequency (DTMF) Code Select**<br>DTMF Code Select allows you to select or send the DTMF Page code from the pre-programmed encoder list. | ✓ | ✓ |

| Code Type | Analog Mode | Digital Mode |
|---|---|---|
| **MDC1200 ID Select**<br>MDC1200 ID Select allows you to select the Contact Alias in the MDC1200® Signaling feature. | ✔ | ✘ |

3.12.1
## Sending Codes with List

**Procedure:**

1. To enter menu on the preferred channel, press **MENU/LOCK**→**LIST**.
2. Perform one of the following actions:

| Option | Actions |
|---|---|
| 5-Tone Code Select | a. To select the 5-Tone Code Select, press the **Up** or **Down** button.<br>b. Scroll to the preferred 5-Tone encode code, and press the **MODE/LOCK** button to transmit the selected 5-Tone encode code. |
| 2-Tone Code Select | a. To select the 2-Tone Code Select, press the **Up** or **Down** button.<br>b. Scroll to the preferred 2-Tone encode code, and press the **MODE/LOCK** button to transmit the selected 2-Tone encode code. |
| DTMF Code Select | a. To select the DTMF Code Select, press the **Up** or **Down** button.<br>b. Scroll to the preferred DTMF encode code, and press the **MODE/LOCK** button to transmit the selected DTMF encode code. |

3.12.2
## Sending Codes with Programmable Buttons

**Procedure:**

Perform one of the following actions:

| Options | Actions |
|---|---|
| Using Code Up or Code Down Button | a. Press the **Code Up** or **Code Down** programmable button.<br>b. Select a 2-Tone, 5-Tone, or Dual Tone Multi Frequency (DTMF) encode code from the programmed encode list.<br>c. To send the selected code, press the **PTT** button. |

| Options | Actions |
|---|---|
| Using Call Button | To send a pre-programmed call signal, press the programmed **Call** button.<br>**NOTE:** Available only for 2-Tone and 5-Tone Signaling System. |

### 3.12.3
## Sending a 5-Tone Status Code

You can send a 5-Tone status code to another radio.

**Procedure:**

1. Press the programmed **Status Up** or **Status Down** button to select a 5-Tone status code from the predefined status list.
2. To send the selected status, press the **PTT** button.

### 3.12.4
## Viewing a 5-Tone Status Details

**Procedure:**

Press the programmed **Status Check** button to view the 5-Tone receive status code.

The radio displays the message corresponding to the received status code from the predefined list.

### 3.12.5
## Sending DTMF Code with Dial Feature

**Procedure:**

1. To enter menu on the preferred channel, press **MENU/LOCK→DIAL**.
2. To select the Dual-Tone Multi-Frequency (DTMF) Auto-Dial telephone number, press the **Up** or **Down** button.
3. To send a predefined DTMF tone, press the **PTT** button.

**Result:** Your radio sounds the DTMF tones during the dialing sequence.

### 3.13
## Checking the Operating System ID

You can confirm the logged ID of the operating system assigned to the current operating channel. The feature supports 5-Tone ID, Dual Tone Multi Frequency (DTMF) ID, MDC1200® ID, and Digital ID.

**Procedure:**

1. Press the programmed **ID Check** button to display the logged ID.
2. To select the logged ID, press the **Up** or **Down** buttons.
3. To toggle the display between the `ID Code display` and `Channel Tag display`, press and hold the **Programmable Side Button**.
4. Press the **Programmable Side Button** to reverts to the channel indication.

3.14
# Scan

Scanning allows you to monitor multiple channels programmed into the transceiver. During scanning, the transceiver checks each channel for a signal and stops on a channel when a signal is detected.

**NOTE:**
Your dealer can program your radio to remain on one of the following channels when you press the **PTT** button during a scanning pause:

- Current channel.
- Scan Pause channel (Talk Back).
- Last Busy channel.
- Priority channel (PRI-1 or PRI-2).
- User Programmed channel (Select Channel).

**Table 8: Types of Scan**

| Scan | Description |
|---|---|
| Scan | Scan activates the scanning feature used to monitor multiple channels programmed into the radio. |
| Group Scan | Group Scan activates the scanning feature used to monitor activity across multiple groups. |
| D<br>Dual Scan | The feature functions similarly to the scan feature but monitors only the following two channels:<br>• the current operating channel<br>• Priority channel (PRI-2) |
| Follow Me (FM) Scan | FM Scan activates the scanning feature used to monitor a user-assigned priority channel alongside the channels preprogrammed in the radio scan list. |
| Talkaround (TA) Scan | TA Scan activates the scanning feature to search both transmit and receive frequencies when operating on a duplex channel system, such as a repeater station.<br>**NOTE:** The TA Scan feature does not activate on a simplex channel. |

3.14.1
## Enabling or Disabling Scan

**Procedure:**

1. From the menu, select **Scan**.
2. To enable the preferred scan feature, press the **MODE/LOCK** button.
3. To disable the scan feature, select **OFF** from the menu.

3.14.2
## Setting Scan Set or Group Scan Set

**Procedure:**

Perform one of the following actions to add or remove the current channel or group to a programmed scan list:

| Options | Actions |
|---|---|
| Adding the current channel or group | Perform the following actions:<br>• From the menu , select **Utility**→**Scan**→**Set**.<br>• From the menu , select **Utility**→**GrpScan**→**Set**. |
| Remove the current channel or group | Perform one of the following actions:<br>• From the menu , select **Utility**→**Scan**→**Skip**.<br>• From the menu , select **Utility**→**GrpScan**→**Skip**. |

3.15
## Setting the Monitor Feature

☑ **Analog**

**Procedure:**

1. From the menu, select **Utility**→**Monitor**.
2. Perform one of the following actions:
   - To enable the signaling feature, press the **Up** or **Down** button to toggle the setting to **On**.
   - To disable the signaling feature, press the **Up** or **Down** button to toggle the setting to **Off**.
3. To save the new setting, press the **MODE/LOCK** button.

**Result:** If the Monitor feature is enabled, the green LED illuminates.

3.16
## Setting Radio Squelch

☑ **Analog**

Adjust the squelch level to filter unwanted calls with low signal strength or channels with excessive noise.

**Procedure:**

1. Perform one of the following actions:

| If... | Then... |
|---|---|
| If you want to turn on or off the radio squelch, | perform the following actions:<br>**a.** From the menu, select **Utility**→**SQL Off**.<br>**b.** Press the **Up** or **Down** button to toggle the setting to **On** or **Off**. |

| If... | Then... |
|---|---|
| If you want to set the radio squelch level, | from the menu, select **Utility**→**SQL Level**→*<Required squelch level>*.<br>**NOTE:**<br>The following squelch levels are available:<br>• Open: SQLLV OP<br>• Threshold: SQLLV TH<br>• Normal: SQLLV NM<br>• Tight: SQLLV TI |

2. To save the new setting, press the **MODE/LOCK** button.

## 3.17 Setting Power Levels

**Procedure:**

1. From the menu, select **Utility**→**Power**.
2. Perform one of the following actions:
   - To extend battery life in Low Power mode, press the **Up** or **Down** button to toggle the setting to **Low**.
   - To increase transmit power, press the **Up** or **Down** button to toggle the setting to **High**.
3. To save the new setting, press the **MODE/LOCK** button.

**Result:**

If your radio is set to low power mode, L icon appears.

If your radio is set to high power mode, L icon disappears.

## 3.18 Setting AF Minimum Volume Level

The AF Minimum Volume is activated and deactivated by using the programmable button assigned to AF Min Volume.

The radio display shows **AFATT ON** when activated and **AFATT OF** when deactivated. The setting adjusts the programmed level for the lowered volume.

**Procedure:**

1. From the menu, select **Utility**→**Min, Vol**.
2. To adjust the volume level, press the **Up** or **Down** button.

   You can select an audio volume level from 0 to 255.

3.19
# Configuring Radio Beeps

**Procedure:**

1. Perform one of the following actions:

| If... | Then... |
|---|---|
| If you want to turn on radio beeps, | perform the following actions:<br>**a.** From the menu, select **Utility**→**Beep**.<br>**b.** Press the **Up** or **Down** buttons to toggle the setting to **On**. |
| If you want to turn off radio beeps, | perform the following actions:<br>**a.** From the menu, select **Utility**→**Beep**.<br>**b.** Press the **Up** or **Down** buttons to toggle the setting to **Off**. |
| If you want to set the radio beep level, | From the menu, select **Utility**→**Beep Level**→*<Required beep level from 0 to 15>*. |

2. To save the new setting, press the **MODE/LOCK** button.

3.20
# Setting Backlight

**Procedure:**

1. From the menu, select **Utility**→**Lighting**.
2. Perform one of the following actions:
   - To turn on backlight, press the **Up** or **Down** button to toggle the setting to **On**.
   - To turn off backlight, press the **Up** or **Down** button to toggle the setting to **Off**.
3. To save the new setting, press the **MODE/LOCK** button.

**Result:** The radio keypad and display lights up for five seconds when the backlight is enabled.

3.21
# Setting Privacy

☑ **Digital**

**Procedure:**

1. Perform one of the following actions:

| If... | Then... |
|---|---|
| If you want to turn on the privacy, | perform the following actions:<br>**a.** From the menu, select **Utility**→**Privacy**.<br>**b.** Press the **Up** or **Down** buttons to toggle the setting to **On**. |

| If... | Then... |
|---|---|
| If you want to turn off the privacy, | perform the following actions:<br>**a.** From the menu, select **Utility**→**Privacy**.<br>**b.** Press the **Up** or **Down** buttons to toggle the setting to **Off**. |
| If you want to select the required privacy code, | from the menu, select **Utility**→**Privacy Select**→*<Required privacy code from 1 to 16>*. |

2. To save the new setting, press the **MODE/LOCK** button.

**Result:**
If privacy is enabled, the privacy icon appears.
If privacy is disabled, the privacy icon disappears.

## 3.22 Setting Encryption

☑ **Analog**

**Procedure:**

1. From the menu, select **Utility**→**ENCR**.
2. Perform one of the following actions:
   - To turn on encryption, press the **Up** or **Down** button to toggle the setting to **On**.
   - To turn off encryption, press the **Up** or **Down** button to toggle the setting to **Off**.
3. To save the new setting, press the **MODE/LOCK** button.

**Result:**
If encryption is enabled, the encryption icon appears.
If encryption is disabled, the encryption icon disappears.

## 3.23 Setting Lone Worker

The Lone Worker feature emits an alarm for 30 seconds when the Lone Worker Timer expires. If the timer is not reset by pressing the PTT switch, the radio switches to Emergency mode.

**Procedure:**

1. From the menu, select **Utility**→**Lone Worker**.
2. To enable or disable the feature, press the **Up** or **Down** button.

   A small dot appears at the bottom of the display.

   The radio briefly displays `L-WK ON` and `L-WK OFF`.

3.24
# Enabling and Disabling CTCSS/DCS Bell

☑ **Analog**

**Procedure:**

1. From the menu, select **Utility**→**Bell**.
2. To enable or disable the Continuous Tone-Coded Squelch System (CTCSS)/Digital Coded Squelch (DCS) Bell feature, press the **Up** or **Down** button.

   When the CTCSS/DCS Bell feature is set to `On`, the alert tone activates when the signal received includes a CTCSS or DCS tone that matches the tone set in your radio.

3.25
# Enabling and Disabling Priority 2 Channel

You can enable or disable the current operating channel as the Priority-2 Channel for the current group.

**Procedure:**

1. From the menu, select **Utility**→**PRI-2**.
2. To enable or disable the current operating channel as the Priority Channel of the current group (Priority-2 Channel), press the **Up** or **Down** button.

3.26
# Setting the Voice Operating Transmission

The Voice Operating Transmission (VOX) feature requires an optional VOX-compatible headset.

**Procedure:**

1. Perform one of the following actions:

| Option | Actions |
|---|---|
| Enabling VOX | a. From the menu, select **Utility**→**VOX**.<br>b. To toggle the setting to **On** or **Off**, press the **Up** or **Down** button. |
| Selecting the VOX Gain Level | a. From the menu, select **Utility**→**VOX Set**.<br>b. To select the preferred VOX gain level, press the **Up** or **Down** button.<br>You can select a VOX gain from `-8` to `+8`.<br>A tone sounds, and the radio displays the current VOX gain level. |
| Enabling VOX Anti-Trip | a. From the menu, select **Utility**→**VOX Anti-Trip**. |

| Option | Actions |
|---|---|
| | b. To toggle the setting to **On** or **Off**, press the **Up** or **Down** button. |

A tone sounds, and the radio displays the current VOX gain level.

2. To store the new setting, press the **MODE/LOCK** button.

   The radio briefly displays SAVED and reverts to the channel indication.

   Cancel the new setting by pressing and holding the **MODE/LOCK** button. The radio briefly displays CANCEL.

## 3.27 Talkaround

The Talkaround feature allows you to bypass the repeater station and communicate directly with a nearby station or transceiver.

Talkaround is commonly used when operating on duplex channel systems, which use separate receive and transmit frequencies with repeater stations. The feature does not affect simplex channels, where the receive and transmit frequencies are already the same.

The dealer can program Talkaround channels by assigning repeater and Talkaround frequencies to two adjacent channels. You can assign the programmable button to other features.

### 3.27.1 Enabling and Disabling Talkaround

**Procedure:**

1. From the menu, select **Utility**→**TA**.
2. To enable or disable the feature, press the **Up** or **Down** button.

   The radio displays the talkaround icon when the feature is enabled.

## 3.28 Duty

☑ **Analog**

The Duty feature controls how the radio handles voice traffic on a paging channel.

When Duty mode is **ON**, you hear all traffic, specific to sub-audio signaling, on the paging channel. The paging alert sounds when the programmed 2-Tone or 5-Tone sub-audio signal is received.

If Duty mode is **OFF**, radio traffic is not heard on the paging channel. The radio unmutes and sounds the paging alert only when the programmed 2-Tone or 5-Tone signal is received.

### 3.28.1 Enabling or Disabling Duty

**Procedure:**

1. From the menu, select **Utility**→**Duty**.

2. Press the **Up** or **Down** buttons to toggle the setting to **On** or **Off**.

## 3.29 Enabling and Disabling Transmit Battery Saver

The Transmit Battery Saver extends battery life by reducing transmit power when a strong signal from a nearby station is received.

**CAUTION:** Using this feature could degrade the audio heard by receiving radios in your communication path.

**Procedure:**

1. To disable the Transmit Battery Saver, press the programmed **TX Save Disable** button when operating in a location where high power is consistently required.
2. To enable the Transmit Battery Saver, press the programmed **TX Save Disable** button again.

   The radio reduce transmit power when a strong signal from a nearby station is received.

## 3.30 Messages

☑ **Digital** ☑ **Analog**

The Message feature differs between the digital and analog mode.

**Table 9: Digital and Analog Mode**

| Digital Mode | Analog Mode |
|---|---|
| In Digital mode, you can send and receive text messages to and from other radios. Your radio stores up to 20 messages on a first-in, first-out basis. | In Analog mode, you can send 5-Tone status text messages from the pre-programmed encoder list and confirm the corresponding received 5-Tone status text. |

### 3.30.1 Managing Messages for Digital Mode

There are two options for Digital Mode: **INBOX** and **SEL MSG**.

**INBOX**
Confirm and delete the received text message.

**SEL MSG**
Send the text message to another radio.

**Procedure:**

1. To select the **INBOX** or **SEL MSG** option, press the **Up** or **Down** button.
2. Perform one of the following actions:

| Options | Actions |
|---|---|
| Confirming the Received Text Messages | a. Select **INBOX**. |

| Options | Actions |
|---|---|
| | **b.** To accept and view the message, press the **MODE/LOCK** button. |
| Deleting Text Message | **a.** To select the received message, press the **Up** or **Down** button.<br>**b.** To confirm the “Call ID” of the selected message, press and hold the **Programmable Side Button**.<br>**c.** To view the **Delete** option, press and hold the **Programmable Side Button** again.<br>**d.** To select **Yes**, press the **Up** or **Down** button.<br>**e.** To confirm, press the **MODE/LOCK** button. |
| Deleting All Text Messages | **a.** To select the **ALL Delete** option, press the **Up** or **Down** button.<br>**b.** To select **Yes**, press the **Up** or **Down** button.<br>**c.** To confirm, press the **MODE/LOCK** button. |
| Sending the Text Messages | **a.** Select **SEL MSG**.<br>**b.** To accept and view the message, press the **MODE/LOCK** button.<br>**c.** To select the received message, press the **Up** or **Down** button.<br>**d.** To view the **Send** option, press the **MODE/LOCK** button.<br>**e.** To select the Contact Alias, press the **Up** or **Down** button.<br>**f.** To send the text message, press the **MODE/LOCK** button. |

3.30.2

# Managing Messages for Analog Mode

**Procedure:**

Perform one of the following actions:

| Options | Actions |
|---|---|
| Sending the Text Messages | **a.** To select the **SELECT**, press the **Up** or **Down** button.<br>**b.** Press the **MODE/LOCK** button.<br>**c.** To choose the message to send, press the **Up** or **Down** button.<br>**d.** To send the text message, press the **PTT** button. |

| Options | Actions |
|---|---|
| Confirming the Received Text Messages | a. To select the **CHECK**, press the **Up** or **Down** button.<br>b. Press the **MODE/LOCK** button. |

3.31
# Viewing Received Station ID

You can view the history of received station IDs for the current operating system, such as Digital, 5-Tone, Dual Tone Multi Frequency (DTMF), or MDC1200®.

**Procedure:**

1. To scroll through the received station ID of the operating system, press the **Up** or **Down** buttons.
2. Press and hold the **Programmable Side Button** to display the received ID **Channel Name**.

3.32
# Setting the Emergency Operation

An authorized dealer customizes the emergency feature by using the EVX-S30 software.

**Procedure:**

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

   The LED indicator illuminates yellow, and the radio repeats the transmission and reception three times for 10 seconds.

2. To exit Emergency mode, perform one of the following actions:
   - Press the **Emergency** button again.
   - Turn off the radio.

3.33
# Site Search Operation

☑ **Digital**

Site Search allows the radio to move between multiple sites seamlessly by automatically identifying and connecting to the station with the strongest signal.

The radio uses Received Signal Strength Indicator (RSSI) to identify the closest site with the strongest signal. When Site Search is active, the radio switches the programmed home site to the site with the best signal strength within range.

Pressing the programmed **Search** button activates the Site Search Operation.

**NOTE:** Your dealer can assign the feature to the channel.

3.34

# Locking and Unlocking PTT and Programmable Buttons

You can lock the PTT and programmable buttons to prevent accidental channel changes or inadvertent transmissions.

**Procedure:**

Perform one of the following actions:

| Options | Actions |
|---|---|
| Locking the PTT and Programmable Buttons | Perform one of the following actions:<br>• From the menu, select **LOCK** button.<br>• Press and hold the **MODE/LOCK** button.<br>or |
| Unlocking the PTT and Programmable Buttons | Press and hold the **MODE/LOCK** button again. |

3.34.1

## Setting the Lock Configuration

You can enable or disable the locking function for the **PTT** or programmable buttons.

**Procedure:**

1. To lock the PTT button, from the menu, select **Utility**→**Lock PTT**.
2. Perform one of the following actions to enable or disable locking:
   - To enable, select **LOCK**.
   - To disable, select **FREE**.
3. To confirm the setting, press the **MODE/LOCK** button.

Chapter 4

# Authorized Accessories List

**Table 10: Antenna**

| Part Number | Description |
|---|---|
| AAE23X501 | ATU-6A, UHF, 400–430 MHz, Whip |
| AAE23X502 | ATU-6C, UHF, 440–470 MHz, Whip |
| AAE23X503 | ATU-6D, UHF, 450–485 MHz, Whip |
| AAE23X506 | ATU-6B, UHF, 420–450 MHz, Whip |
| AAM23X501 | ATU-20AS, UHF, 400–430 MHz, Stubby |
| AAM23X502 | ATU-20DS, UHF, 440–470 MHz, Stubby |
| AAM23X503 | ATU-20FS, UHF, 450–480 MHz, Stubby |
| AAM23X504 | ATU-20CS, UHF, 420–450 MHz, Stubby |
| AAM28X501 | ATU-21AS, UHF, 400–420 MHz, Super Stubby |
| AAM28X502 | ATU-21CS, UHF, 420–440 MHz, Super Stubby |
| AAM28X503 | ATU-21DS, UHF, 440–460 MHz, Super Stubby |
| AAM28X504 | ATU-21FS, UHF, 460–480 MHz, Super Stubby |

**Table 11: Battery**

| Part Number | Description |
|---|---|
| PMNN4468_ | Lithium-Ion (Li-Ion) Battery, 2300 mAh |

**Table 12: Programming Cable**

| Part Number | Description |
|---|---|
| PMKN4294_ | Cable, Data, USB-A to USB-C |

**Table 13: Carry Devices**

| Part Number | Description |
|---|---|
| PMLN8802_ | Belt Clip Kit |
| AAM22X501 | LCC-S24 Leather Case with Fixed Belt Loop |
| AAM22X502 | LCC-S24S Leather Case with Swivel Belt Loop |

**Table 14: Personal Wall Charger (Direct Charging through Radio USB-C Connector)**

| Part Number | Description |
|---|---|
| PS000150A21 | Personal Wall Charger, USB-C, 100 V–240 VAC, United States/Japan |
| PS000150A22 | Personal Wall Charger, USB-C, 100 V–240 VAC, Europe |

| Part Number | Description |
|---|---|
| PS000150A23 | Personal Wall Charger, USB-C, 100 V–240 VAC, United Kingdom/ Hong Kong |
| PS000150A24 | Personal Wall Charger, USB-C, 100 V–240 VAC, Australia/New Zealand |

**Table 15: Single-Unit Desktop Charger and Associated Power Supplies**

| Part Number | Description |
|---|---|
| AAM20X501 | CD-66 Enhanced Charging Cradle |
| AAM19X501 | CD-65 Standard Desktop Charger/Single Unit Charger |
| PS000227A11 | Power Supply Adaptor for Single-Unit Charger, Micro-USB, 100 V–240 V, United States/Japan |
| PS000227A12 | Power Supply Adaptor for Single-Unit Charger, Micro-USB, Europe |
| PS000227A13 | Power Supply Adaptor for Single-Unit Charger, Micro-USB, United Kingdom/Hong Kong |
| PS000042A14 | Power Supply Adaptor for Single-Unit Charger, Micro-USB, Australia/New Zealand |

**Table 16: Multi-Unit Charger**

| Part Number | Description |
|---|---|
| AAM36X502 | VAC-6066 Multi-Unit Charger Base only |
| GMLN5515_ | VAC-6066 Multi-Unit Charger for EVX-S30 Europe |
| GMLN5516_ | VAC-6066 Multi-Unit Charger for EVX-S30 United Kingdom |
| XUAAM36X503 | VAC-6066 Multi-Unit Charger for EVX-S30 United States |
| AAM36X502MUC-AU | VAC-6066 Multi-Unit Charger for EVX-S30 Australia/New Zealand |

**Table 17: Earbuds and Earpieces**

| Part Number | Description |
|---|---|
| AAM21X501 | MH-89A4B G-Style Earpiece with In-Line Microphone and PTT |

**Table 18: Remote Speaker Microphone**

| Part Number | Description |
|---|---|
| AAM24X501 | MH-90A4B Compact Remote Speaker Microphone |
| AAE46X509 | MH-66F4B IP57 Submersible Speaker Microphone |