

PROFESSIONAL DIGITAL TWO-WAY RADIO

# Mag One X8d/X8i Portable Radio User Guide

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# Legal and Compliance Statements

## Important Safety Information

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

#### ATTENTION!

**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.*

#### Notice to End Customers

Depending on your Mag One X8 series solution, your radio can include Ambient Listening or Monitor feature. The Monitor feature allows an authorized user to remotely activate the target user's device microphone to listen to the surroundings and gather information without the target user's knowledge.



**NOTE:** The Monitor feature have privacy implications depending on your location. You must follow all relevant laws and regulations when using the Monitor feature. This includes without limitation:

- Publishing and enforcing any required privacy notices or statements to individuals,
- Obtaining and documenting any required consents,
- Establishing and maintaining any applicable policies for acceptable use and Processing of Personal Information.

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# Read Me First

This user guide covers the basic operations of your radios.

## Notations Used in This Manual

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



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



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



**NOTE:** An operational procedure, practice, or condition, and so on, which is essential to emphasize.

## Feature and Service Availability

Your dealer or administrator may have customized your radio for your specific needs.



**NOTE:** Not all features in the manual are available in your radio. Contact your dealer or administrator for more information.

You can consult your dealer or system administrator about the following:

- What are the functions of each button?
- Which optional accessories may suit your needs?
- What are the best radio usage practices for effective communication?
- What maintenance procedures promote longer radio life?

## Recommended USB-C Connector Cleaning Guidelines

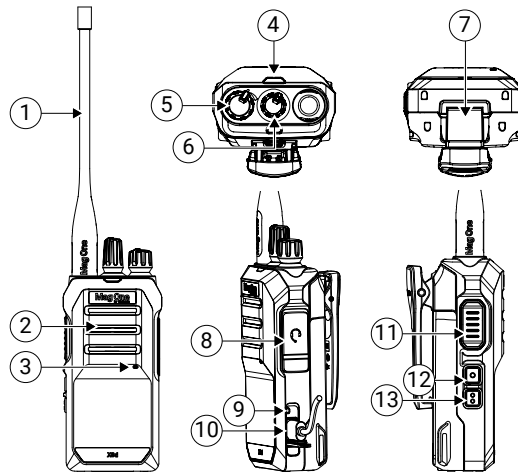
- Disconnect the wall adapter or cable from the power source. Unplug the USB-C plug from the product.
- Clean the external surface of USB-C with clean paper cloth or cloth.
- Inspect the internal compartment of USB-C using a magnifying glass for the presence of any foreign material.
- Using a lens blower, 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.

## Chapter 1

# Radio Overview



| Number | Description                               |
|--------|-------------------------------------------|
| 1      | Antenna                                   |
| 2      | Speaker                                   |
| 3      | Microphone                                |
| 4      | LED Indicator                             |
| 5      | On/Off/Volume Control Knob                |
| 6      | Channel Selector Knob                     |
| 7      | Battery Latch                             |
| 8      | Audio Accessory Connector                 |
| 9      | USB-C Charging LED Indicator              |
| 10     | USB-C Connector (Charging or Programming) |
| 11     | PTT Button                                |
| 12     | Programmable Side Button 1                |
| 13     | Programmable Side Button 2                |

## 1.1

# Programmable Buttons

Depending on the duration of a button press, the programmable buttons function differently.

**Table 1: Button Press Duration**

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

### 1.1.1

## Assignable Radio Function

You can program the programmable buttons as shortcuts to the following radio functions through Customer Programming Software (CPS). Contact your dealer for more information.

**Table 2: Types of Programmable Functions**

| Function                         | Description                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Alert Tones On/Off           | Allows you to enable or disable the alert tones.                                                                                                                                                                                                                                                                          |
| Power Level High/Low             | Allows you to toggle the transmit power level between high and low.                                                                                                                                                                                                                                                       |
| Monitor                          | <ul style="list-style-type: none"><li>Allows you to monitor the transmission activity of the current channel.</li><li>Exits the monitoring mode when the button is released.</li></ul>                                                                                                                                    |
| Nuisance Channel Delete          | Allows you to temporarily remove unwanted channels from the scan list.                                                                                                                                                                                                                                                    |
| One Touch Access 1–6             | <p>Allows you to initiate a one click call corresponding to the call set by the key.</p> <p>One touch access initiates the following features for analog and digital radio.</p> <p><b>Analog</b><br/>DTMF-1–DTMF-4</p> <p><b>Digital</b><br/>Call Alert, Radio Check, Radio Disable, Radio Enable, and Remote Monitor</p> |
| Repeater/Talkaround              | Allows you to switch between using a repeater and communicating directly with another radio.                                                                                                                                                                                                                              |
| Scan On/Off                      | Allows you to turn on or off the channel scanning feature.                                                                                                                                                                                                                                                                |
| Squelch Level Tight/Normal/Loose | Allows you to toggle the squelch level between tight, normal, and loose.                                                                                                                                                                                                                                                  |
| Scramble On/Off                  | Allows you to toggle scrambling on or off.                                                                                                                                                                                                                                                                                |
| VOX On/Off                       | Allows you to toggle VOX on or off.                                                                                                                                                                                                                                                                                       |
| Zone Toggle                      | Allows you to switch between zones.                                                                                                                                                                                                                                                                                       |
| Battery Indicator                | Allows you to indicate battery strength by using voice prompt.                                                                                                                                                                                                                                                            |
| Enhanced Audio Power On/Off      | Allows you to turn on and off the enhanced audio power setting for the current channel. The speaker is set to operate at the highest speaker power limit when enhanced audio power is turned on.                                                                                                                          |
| Noise Suppression                | Allows you to turn on and off the noise suppression feature.                                                                                                                                                                                                                                                              |

| Function             | Description                                                |
|----------------------|------------------------------------------------------------|
| Battery Saver On/Off | Allows you to enable or disable the battery saver feature. |

## 1.2

# Radio LED Indications

| Indication     | Status                           |
|----------------|----------------------------------|
| Solid Red      | The radio is transmitting.       |
| Solid Green    | The radio is receiving a signal. |
| Blinking Green | The radio is scanning.           |
| Blinking Red   | The battery capacity is low.     |

## 1.3

# USB-C Charging LED Indication

| Indication             | Status                                                                                                   |
|------------------------|----------------------------------------------------------------------------------------------------------|
| Solid Red              | Charging.                                                                                                |
| Solid Green            | Fully charged.                                                                                           |
| Blinking Red and Green | <ul style="list-style-type: none"><li>Charging error.</li><li>Battery low or high temperature.</li></ul> |

## 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 your radio when charging.

**Procedure:**

- To comply with warranty terms and avoid damages, charge the battery using an authorized charger.

**Figure 1: Charging through Single-Unit Charger (SUC)**



**Figure 2: Charging through USB-C Connector**



- Charge a new battery for more than five hours before initial use for best performance.  
Batteries charge best at room temperature.



**NOTE:** Charging using the SUC and USB-C connector takes approximately four to five hours.

## 2.2

# Attaching the Battery

### Procedure:

1. Align and slide the battery tongue into the groove on the radio chassis.



2. Secure the latch at the bottom of the radio.



## 2.3

# Removing the Battery

### Procedure:

1. Turn off your radio.
2. Flip the battery latch open.



3. Slide the battery out of the battery compartment and lift it.



## 2.4

# Attaching the Antenna

### Procedure:

1. Set the antenna in the receptacle.
2. Turn the antenna clockwise.





## 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:

Align the rails on the clip with the grooves on the battery and press it downwards until it clicks.



## 2.7

# Removing the Belt Clip

### Procedure:

1. To remove the clip, press the belt clip tab away from the battery.
2. Slide the clip upwards and away from the radio.



## 2.8

# Opening the Audio Jack Dust Cover

Dust cover prevents dust, water stains, and other foreign materials from entering, damaging the radio, or blocking the jack.

### Procedure:

To open the dust cover, pull the cover out.



**NOTE:**

Open the dust cover when attaching the audio accessory, charging cable, or programming cable.  
Close the dust cover when you are not charging, programming, or when the audio accessory is not in use.

## 2.9

### Opening the USB-C Dust Cover

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

**Procedure:**

To open the dust cover, pull the cover out.



## 2.10

# Turning the Radio On

### Procedure:

Turn the **On/Off/Volume** knob clockwise until a click sounds.

### Result:

Your radio shows the following indications:

- The green LED illuminates briefly.
- A tone sounds.



**NOTE:** If the Tones or Alerts functions are disabled, no tone sounds.

## 2.11

# Turning the Radio Off

### Procedure:

Turn the **On/Off/Volume** knob counterclockwise until a click sounds.

## 2.12

# Adjusting the Volume

### Procedure:

To adjust the volume of your radio, perform one of the following actions:

- To increase the volume, turn the **On/Off/Volume Control** knob clockwise.
- To decrease the volume, turn the **On/Off/Volume Control** knob counterclockwise.

## 2.13

# Setting Squelch Levels

### Procedure:

Press the programmed **Squelch** button.

### Result:



#### **NOTE:**

The default setting is **Normal**.

The squelch feature is supported in analog mode only.

- If your radio is set to tight squelch, an ascending indicator tone sounds.
- If your radio is set to normal squelch, a flat indicator tone sounds.
- If your radio is set to loose squelch, a descending indicator tone sounds.

## Chapter 3

# Zone and Channel Selections

A zone is a group of channels. You can program each channel with different features that support different groups of users.

**Table 3: Number of Supported Zones and Channels**

| Zone | Channels |
|------|----------|
| 4    | 64       |

### 3.1

## Selecting Zones

**Procedure:**

Press the programmed **Zone Toggle** button.

**Result:**

Your radio shows the following indications:

- When you switch to Zone 1, one beep tone sounds.
- When you switch to Zone 2, two beep tones sound.
- When you switch to Zone 3, three beep tones sound.
- When you switch to Zone 4, four beep tones sound.

### 3.2

## Selecting Channels

Your radio supports up to 64 channels. Each channel can be programmed with different features that support different groups of users. The radio supports up to four zones, each with 16 channels.

**Procedure:**

Select channels by rotating the **Channel Selector** knob.

Your radio indicates the channel number or the programmed channel number through a voice announcement. If the channel is not programmed, an error tone sounds.



**NOTE:** The radio sounds the voice announcement if the feature is enabled through Customer Programming Software (CPS).

## Chapter 4

# Calls

Depending on the type of call, you can make, receive, and respond to calls in both Conventional Analog and Digital mode.

### 4.1

## Group Calls

Group Calls are calls from an individual radio to a group of radios. To communicate in a group, your radio must first be configured as a part of the talkgroup.

### 4.1.1

## Making Group Calls

### Procedure:

1. To select a channel with an active group ID, rotate the **Channel Selector** knob.
2. To call, press the **PTT** button.
3. Wait for the Talk Permit Tone to end, and speak into the microphone.



**NOTE:** If the selected channel is busy, a busy tone sounds. Your radio is unable to make a call.

4. Wait for the Talk Permit Tone to end if the feature is enabled, and then speak into the microphone.
5. To listen, release the **PTT** button.

If your radio does not detect voice activity for a predetermined period, the call ends.

### 4.1.2

## Responding to Group Calls

When you receive Group Calls, your radio shows the following indications:

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

### Procedure:

1. To respond, press the **PTT** button.
2. Wait for the Talk Permit Tone to end if the feature is enabled, and then speak into the microphone.
3. To listen, release the **PTT** button.

### 4.2

## Private Calls

Private Calls are calls from an individual radio to another individual radio.

#### 4.2.1

## Making Private Calls

### Procedure:

1. To select a channel with an active subscriber ID, rotate the **Channel Selector** knob.
2. To call, press the **PTT** button.
3. Wait for the Talk Permit Tone to end if the feature is enabled, and then speak into the microphone.



**NOTE:** If the selected channel is busy, a busy tone sounds. Your radio is unable to make a call.

4. To listen, release the **PTT** button.

If your radio does not detect voice activity for a predetermined period, the call ends.

#### 4.2.2

## Responding to Private Calls

When you receive Private Calls, your radio shows the following indications:

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

### Procedure:

1. To respond, press the **PTT** button.
2. Wait for the Talk Permit Tone to end, and speak into the microphone.
3. Wait for the Talk Permit Tone to end if the feature is enabled, and then speak into the microphone.
4. To listen, release the **PTT** button.

If your radio does not detect voice activity for a predetermined period, the call ends.

#### 4.3

## All Calls

All Calls are one-way calls from an individual radio to all radios on a channel. All Calls are used for making important announcements. The recipients on the channel cannot respond to All Calls.

When you receive All Calls, your radio shows the following indications:

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

All Calls do not wait for a predetermined period before ending. You can only continue with programmed button functions after the All Call ends. If you switch to a different channel during an All Call, your radio stops receiving the call.

#### 4.3.1

## Making All Calls

### Procedure:

1. To select a channel with an all call ID, rotate the **Channel Selector** knob.
2. To call, press the **PTT** button.



3. Wait for the Talk Permit Tone to end if the feature is enabled, and then speak into the microphone.

## Chapter 5

# Time-Out Timer

Your system administrator can set the time-out time for a channel through the Customer Programming Software (CPS).

Before the preset timeout timer of the radio expires, a warning tone is emitted 10 seconds before the timer expires.

When your radio reaches the time-out time, your radio stops transmitting, and the following radio indications occur:

- A continuous alert tone sounds.
- The red LED extinguishes.

To resume transmission, release the **PTT** button and press the **PTT** button again.

## Chapter 6

# Call Alert Operation

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

### 6.1

## Making Call Alert

Your dealer can set up the **One Touch Access** button to send Call Alert to the desired subscriber ID.

#### Procedure:

1. Select the channel that you want to send the call alert.
2. Press the programmed **One Touch Access** button.

#### Result:

##### If the call alert is successful:

A positive tone sounds when the target radio is detected on the current channel.

##### If the call alert is unsuccessful:

A negative tone sounds.

### 6.2

## Responding to Call Alerts

When you receive a Call Alert, the following radio indications occur:

- A repetitive tone sounds.

#### Procedure:

To respond, press the **PTT** button.

## Chapter 7

# Radio Enable and Disable

This feature allows you to enable or disable a radio remotely.

You can disable a stolen radio to prevent unauthorized users from using and enabling the radio when it is recovered.

### 7.1

## Initiating Radio Enable

Your dealer can set up the **One Touch Access** button to send a radio enable command to the desired subscriber ID.

#### Procedure:

1. Select the channel that you want to send the radio enable command.
2. Press the programmed **One Touch Access** button.

#### Result:

##### If the radio enable is successful:

- A positive indicator tone sounds.
- The target radio resets.

##### If the radio enable is unsuccessful:

- A negative indicator tone sounds.

### 7.2

## Initiating Radio Disable

Your dealer can set up the **One Touch Access** button to send a radio disable command to the desired subscriber ID.

#### Procedure:

1. Select the channel that you want to send the radio disable command.
2. Press the programmed **One Touch Access** button.

#### Result:

##### If the radio disable is successful:

- A positive indicator tone sounds.
- The target radio blinks green then red LED once and the radio is disabled.
- The radio does not respond to user input and is not able to receive or transmit audio.
- Power cycling the radio does not change the radio status.

##### If the radio disable is unsuccessful:

- A negative indicator tone sounds.

## Chapter 8

# Radio Check

This feature allows you to determine if another radio is active in a system without disturbing the user of the radio.

### 8.1

## Initiating and Receiving Radio Check

Your dealer can set up the **One Touch Access** button to send a radio check command to the desired subscriber ID.

#### Procedure:

1. Select the channel that you want to send the radio check command.
2. Press the programmed **One Touch Access** button.

#### Result:

##### If the radio check is successful:

A positive indicator tone sounds.

The target radio blinks green then red LED once and your radio remains muted.

##### If the radio check is unsuccessful:

A negative indicator tone sounds.

## Chapter 9

# Remote Monitor

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

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

### 9.1

## Initiating Remote Monitor

Your dealer can set up the **One Touch Access** button to send remote monitor command to the desired subscriber ID.

#### Procedure:

1. Select the channel that you want to send the remote monitor command.
2. Press the programmed **One Touch Access** button.

#### Result:

##### If the request is successful:

A positive indicator tone sounds.

The target radio blinks green then red LED once.

You can hear the audio surrounding the target audio for a programmed duration.

##### If the request is unsuccessful:

A negative indicator tone sounds.

## Chapter 10

# Talkaround

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

### 10.1

## Toggling Between Repeater and Talkaround Modes

### Procedure:

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

When the radio Talkaround mode is off and within the range of the radio, there is no need to connect a repeater to convert the receiving parameters into the transmitting parameters during transmission.



**NOTE:** Check the channel to enable the Talkaround feature.

### Result:

- If a high-pitched ringtone sounds, your radio is in talkaround mode.
- If a medium-pitched ringtone sounds, your radio is in repeater mode. Ensure that the radio is within the repeater range to operate in the repeater mode.

## Chapter 11

# Monitor Feature

This feature allows you to monitor the activity of the current channel for analog mode.

### 11.1

## Monitoring Channels

#### Procedure:

1. Press and hold the programmed **Monitor** button.

##### **If the channel is in use:**

You hear radio activity.

The green LED illuminates.

##### **If the monitored channel is not in use:**

Your radio sounds a "white noise".

The green LED illuminates.

2. To call, press and hold the **PTT** button.
3. To listen, release the **PTT** button.

### 11.2

## Sticky Monitor

The Sticky Monitor feature continuously monitor a selected channel for activity.

### 11.2.1

## Setting the Sticky Monitor

#### Procedure:

Press the programmed **Sticky Monitor** button.

#### Result:

##### **When your radio enters the mode:**

A positive tone sounds.

The green LED illuminates.

##### **When your radio exits the mode:**

A negative tone sounds.

The green LED extinguishes.



## Chapter 12

# Scan

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

Your radio also performs a dual-mode scan. If you are on a digital channel, and your radio locks onto an analog channel, your radio automatically switches from digital mode to analog mode during the call. If you are on an analog channel, and your radio locks onto a digital channel, your radio automatically switches from analog mode to digital mode during the call.

**Table 4: Scan Types**

| Type                       | Description                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| Home Channel Scan (Manual) | Your radio scans all the channels in your scan list assigned to the home channel.                       |
| Auto Scan (Automatic)      | Your radio automatically starts scanning when you select a channel or group that has Auto Scan enabled. |

If you press the **PTT** button while the radio is scanning, radio transmits on the current channel, home channel, previously selected channel, or the designated channel based on the scan list settings.

### 12.1

## Priority Scan

Priority Scan allows the radio to automatically receive transmission from channels with higher priority. If you want to prioritize a channel, you can enable the Priority Scan feature through the Customer Programming Software (CPS).

### 12.2

## Turning Scan On or Off

### Procedure:

Press the programmed **Scan** button.

### Result:

#### If Scan is enabled:

A positive tone sounds.

The green LED blinks.

#### If Scan is disabled:

A negative tone sounds.

The green LED extinguishes.



**NOTE:** If the auto scan feature is enabled, the radio does not allow you to turn on or off the channel scanning feature using the programmed **Scan** button.

### 12.3

## Scan Talkback

During scanning, your radio stops on a channel or group where activity is detected. The radio stays on that channel for a programmed duration known as hang time.

#### Procedure:

1. To talk in the ongoing call, press the **PTT** button during hang time.
2. Wait for the Talk Permit Tone to end if the feature is enabled, and then speak into the microphone.
3. To listen, release the **PTT** button.

### 12.4

## Deleting Nuisance Channels

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

#### Procedure:

1. Press the programmed **Nuisance Delete** button until you hear a tone.
2. Release the programmed **Nuisance Delete** button.

### 12.5

## Restoring Nuisance Channels

#### Procedure:

Perform one of the following actions:

- Restart your radio.
- Turn the **Scan** feature off and on.
- Change the channel using the **Channel Selector** knob.

## Chapter 13

# Button/Channel Selector Lock

This feature allows you to set the button and channel selector locking mode in the Customer Programming Software (CPS).

The following are the available locking modes:

### **None**

The keys can function and operate normally.

### **Side Buttons**

The programmed function for the side buttons cannot be turned on or off.

### **Channel Selector**

Radio switching channels are disabled and cause error prompts.

## Chapter 14

# Scramble

The scramble feature makes your transmissions sound garbled to anyone listening without the same scramble code.



**NOTE:** The scramble feature is supported in analog mode only.

### 14.1

## Initiating and Receiving Scramble Calls

### Procedure:

1. Select the channel that you want to toggle scramble on or off.
2. Press the programmed **Scramble On/Off** button.  
**If scramble is enabled:**  
A positive tone sounds.  
**If scramble is disabled:**  
A negative tone sounds.
3. To call, press the **PTT** button.
  - Your radio is able to receive clear calls if the scramble code is the same as the transmitter.
  - If your radio receives a different scramble code, you are not able to hear the call or hear a garbled transmission.

## Chapter 15

# Auto Power Off

This feature allows you to avoid the radio from being idle for a long time and extend the battery life.

The radio shuts down automatically when the Auto Power Off timer has expired.



**NOTE:**

The radio is idle when there is no user activity such as a button press or rotating the channel selector knob.

If you set the timer to **None**, the radio disables the Auto Power Off feature.

## Chapter 16

# Authorized Accessories List

**Table 5: Antennas**

| Part Number | Description                             |
|-------------|-----------------------------------------|
| PMAE4123_   | Mag One, UHF, 400-470 MHz, Whip Antenna |

**Table 6: Battery**

| Part Number | Description                       |
|-------------|-----------------------------------|
| PMNN4897_   | Mag One Lithium Ion 2200T Battery |

**Table 7: Programming Cable**

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

**Table 8: Carry Device**

| Part Number | Description                |
|-------------|----------------------------|
| PMLN8741_   | Mag One, 2 Inch, Belt Clip |

**Table 9: Charger and Power Supply**

| Part Number | Description                                                           |
|-------------|-----------------------------------------------------------------------|
| PMPN4677_   | Mag One Charger Desktop Single Unit, Base only, External Power Supply |
| PMPN4647_   | Power Supply Adaptor, Power Supply AAD                                |

**Table 10: Earbuds and Earpieces**

| Part Number | Description                                                                   |
|-------------|-------------------------------------------------------------------------------|
| PMLN6534_   | Mag One Earbud with In-Line Microphone/PTT/VOX Switch                         |
| PMLN6531_   | Mag One Ear Receiver with In-Line Microphone/PTT/VOX Switch                   |
| PMLN6532_   | Mag One Swivel Earpiece with microphone/PTT                                   |
| PMLN6542_   | Mag One Ultra-Lightweight Headset with Boom Microphone and In-Line PTT Switch |
| PMLN6536_   | 2-Wire Surveillance Kit with Quick Disconnect Acoustic Tube                   |

**Table 11: Remote Speaker Microphone**

| Part Number | Description                       |
|-------------|-----------------------------------|
| PMMN4092_   | Mag One Remote Speaker Microphone |

**Table 12: Device Charging Cables**

| Part Number | Description                          |
|-------------|--------------------------------------|
| PMKN4274_   | USB-A to USB-C Cable (Charging only) |

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欧盟的 WEEE 指令和英国的 WEEE 法规要求销售到欧盟国家/地区和英国的产品必须在产品上（有时是在包装上）张贴带叉号的带轮垃圾箱标签。根据 WEEE 指令的定义，此带叉号的带轮垃圾箱标签表示欧盟国家/地区和英国的客户和最终用户不得将此电子电气设备或附件作为生活垃圾处置。

欧盟国家/地区和英国的客户或最终用户应联系当地的设备供应商代表或服务中心，以了解有关所在国家/地区废物收集系统的相关信息。

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## 法律及合规性声明

## 重要安全信息

### 便携式双向对讲机的射频能量辐射和产品安全指南



## 注意！

**此对讲机仅限职业使用。**在使用本对讲机之前，请阅读便携式双向对讲机的射频能量辐射和产品安全指南，其中包括针对安全使用及射频能量常识和控制的重要操作说明，以确保符合适用的标准和法规。

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## 最终客户须知

根据您的 Mag One X8 系列解决方案，您的对讲机可以包括环境监听或监听功能。监听功能允许授权用户远程激活目标用户的设备麦克风，以便在目标用户不知情的情况下收听周围环境并收集信息。



**注释:** 监听功能会对隐私产生影响，具体取决于您所在的位置。使用监听功能时，您必须遵守所有相关法律和法规。包括但不限于：

- 向个人发布和执行任何所需的隐私声明或说明，
- 获取并记录任何所需同意，
- 为许可使用和处理个人信息制定和维护任何适用政策。

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# 使用须知

本用户指南介绍对讲机的基本操作。

## 本手册中使用的注解

在本手册的全文中，您会注意到使用了**警告**、**小心**和**注意**。这些注解用于强调存在的安全隐患，用于提示您在操作时应小心谨慎。



**警告:** 操作过程、举措或状况等，如果不严格遵守，则可能导致受伤或死亡。



**注意:** 操作过程、举措或状况等，如果不严格遵守，则可能导致设备损坏。



**注释:** 必须强调的操作过程、举措或状况等。

## 功能和服务可用性

您的经销商或管理员可能已经针对具体需要对对讲机进行了定制。



**注释:** 并非手册中的所有功能都适用于您的对讲机。请联系您的经销商或管理员了解详细信息。

您可以向您的经销商或系统管理员咨询以下事项：

- 每个按钮的功能是什么？
- 哪些可选附件可满足您的需求？
- 使用对讲机实现有效通信的最佳做法是什么？
- 怎样的维护过程可延长对讲机寿命？

## USB-C 连接器推荐清洁指南

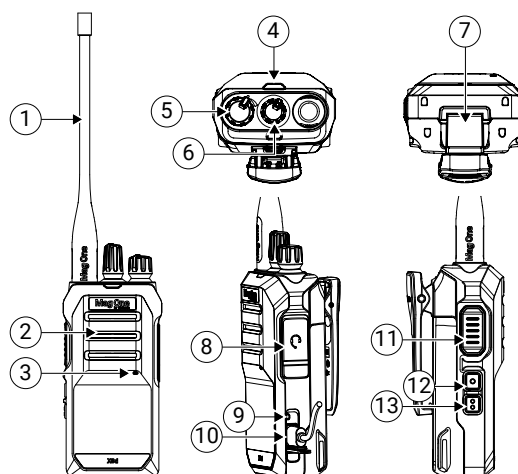
- 断开壁式适配器或电缆与电源的连接。从产品上拔下 USB-C 插头。
- 使用干净的纸巾或布清洁 USB-C 的外表面。
- 使用放大镜检查 USB-C 的内舱是否存在任何异物。
- 使用透镜鼓风机清除 USB-C 舱内的灰尘和颗粒。
- 再次检查 USB-C，以查看是否存在任何残留碎屑。
- 让设备自然风干。



**注释:** 必要时使用透镜鼓风机，以确保 USB-C 舱内完全没有灰尘和颗粒。

## 第 1 章

# 对讲机概述



| 编号 | 说明               |
|----|------------------|
| 1  | 天线               |
| 2  | 扬声器              |
| 3  | 麦克风              |
| 4  | LED 指示灯          |
| 5  | 开/关/音量控制旋钮       |
| 6  | 信道选择器旋钮          |
| 7  | 电池锁              |
| 8  | 音频附件接口           |
| 9  | USB-C 充电 LED 指示灯 |
| 10 | USB-C 连接器（充电或编程） |
| 11 | PTT 按键           |
| 12 | 侧边可预设按钮 1        |
| 13 | 侧边可预设按钮 2        |

1.1

# 可预设按钮

根据按钮按下的持续时间，可预设按钮的功能会有所不同。

表 1：按钮按下持续时间

| 操作 | 说明                                                                   |
|----|----------------------------------------------------------------------|
| 按  | 按下然后松开。                                                              |
| 长按 | 按住一秒钟或更长时间，具体取决于通过 Customer Programming Software（客户编程软件）(CPS) 进行的设置。 |

1.1.1

## 可分配的对讲机功能

您可以通过 Customer Programming Software（客户编程软件）(CPS) 将可预设按钮预设为以下对讲机功能的快捷方式。请联系您的经销商了解详细信息。

表 2：可预设功能的类型

| 功能           | 说明                                                                                                                             |
|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| 所有提示音开/关     | 允许您启用或禁用提示音。                                                                                                                   |
| 功率等级高/低      | 允许您在高功率和低功率之间切换对讲机的传输功率等级。                                                                                                     |
| 监听           | <ul style="list-style-type: none"><li>允许您监听当前信道的传输活动。</li><li>释放按钮后退出监听模式。</li></ul>                                           |
| 无用信道删除       | 允许您从扫描列表中暂时移除无用信道。                                                                                                             |
| 一键通 1-6      | 允许您发起与按键设置的呼叫相对应的一键式呼叫。<br>按“一键通”按钮可启动模拟和数字对讲机的以下功能。<br><b>模拟</b><br>DTMF-1-DTMF-4<br><b>数字</b><br>呼叫提示、对讲机检测、对讲机遥毙、对讲机激活和远程监听 |
| 中继器/脱网       | 允许您在使用中继器和直接与其他对讲机通信之间切换。                                                                                                      |
| 扫描开/关        | 允许您打开或关闭信道扫描功能。                                                                                                                |
| 静噪等级严格/正常/宽松 | 允许您在严格、正常、宽松之间切换静噪等级。                                                                                                          |
| 扰频开/关        | 允许您打开或关闭扰频。                                                                                                                    |
| VOX 发射开/关    | 允许您打开或关闭 VOX 发射。                                                                                                               |
| 区域切换         | 允许您在区域之间切换。                                                                                                                    |
| 电池电量指示       | 允许您使用语音提示指示电池电量。                                                                                                               |
| 增强音频功率开/关    | 允许您打开和关闭当前信道的增强音频功率设置。当增强音频功率打开时，扬声器设置为在最高扬声器功率限制下工作。                                                                          |
| 减噪           | 允许您打开和关闭减噪功能。                                                                                                                  |

| 功能     | 说明            |
|--------|---------------|
| 省电模式切换 | 允许您启用或禁用节电功能。 |

## 1.2

# 对讲机 LED 指示灯

| 指示    | 状态         |
|-------|------------|
| 呈红色长亮 | 对讲机正在传输。   |
| 呈绿色长亮 | 对讲机正在接收信号。 |
| 呈绿色闪烁 | 对讲机正在扫描。   |
| 呈红色闪烁 | 电池电量低。     |

## 1.3

# USB-C 充电 LED 指示

| 指示       | 状态                                                                           |
|----------|------------------------------------------------------------------------------|
| 呈红色长亮    | 正在充电。                                                                        |
| 呈绿色长亮    | 完全充满电。                                                                       |
| 呈红色和绿色闪烁 | <ul style="list-style-type: none"><li>● 充电错误。</li><li>● 电池温度过低或过高。</li></ul> |

## 第 2 章

# 使用入门

本节可帮助您熟悉设备的基本操作。

### 2.1

## 为电池充电

本对讲机由锂离子电池供电。

**先决条件：** 充电时请关闭对讲机。

**程序：**

- 为了遵守保修条款和防止损坏，请务必使用认可的充电器对电池充电。

**图 1：通过单座充电器 (SUC) 充电**





图 2：通过 USB-C 连接器充电



- 为了获得最佳电池性能，初次使用之前请为新电池充电 5 个小时以上。  
电池最好在室温下进行充电。



**注释:** 使用 SUC 和 USB-C 连接器充电大约需要 4-5 小时。

## 2.2

# 安装电池

程序：

1. 将电池舌对准滑入对讲机机身上的凹槽。



2. 固定对讲机底部的锁扣。



### 2.3

## 取出电池

程序：

1. 关闭对讲机。
2. 打开电池门锁。



3. 将电池从电池盒中滑出并取下。



## 2.4

# 安装天线

### 程序：

1. 将天线置入插孔中。
2. 顺时针转动天线。



## 2.5

# 取下天线

程序：

1. 逆时针转动天线。
2. 从插孔中取下天线。



## 2.6

# 安装皮带夹

### 程序：

将皮带夹上的滑轨与电池上的凹槽对齐并向下按，直到卡入到位。



## 2.7

# 取下皮带夹

### 程序：

1. 要取下皮带夹，请按压皮带夹锁片，将其从电池上脱开。
2. 将皮带夹向上推，使其从对讲机中滑出。



## 2.8

# 松开音频插孔防尘罩

防尘罩可防止灰尘、水渍和其他异物进入，损坏对讲机或堵塞插孔。

### 程序：

要打开防尘罩，将其拉出即可。



**注释:**

连接音频附件、充电电缆或编程电缆时，请打开防尘罩。

不充电、不编程或不使用音频附件时，请关闭防尘罩。

## 2.9

# 打开 USB-C 防尘罩

防尘罩可防止灰尘、水渍和其他异物进入，损坏对讲机和 USB-C 连接器。

**程序：**

要打开防尘罩，将其拉出即可。



## 2.10

## 打开对讲机

**程序：**

顺时针旋转**开/关/音量**旋钮，直到听到一声“咔嗒”声。

**结果：**

对讲机会显示以下指示：

- 绿色 LED 指示灯亮起。
- 发出一声提示音。



**注释:** 如果“提示音或提示”功能已禁用，则不会发出提示音。

## 2.11

## 关闭对讲机

**程序：**

逆时针旋转**开/关/音量**旋钮，直到听到一声“咔嗒”声。

## 2.12

## 调节音量

**程序：**

要调节对讲机音量，请执行以下操作之一：

- 要调高音量，请顺时针旋转**开/关/音量控制**旋钮。
- 要调低音量，请逆时针旋转**开/关/音量控制**旋钮。

## 2.13

## 设置静噪级别

**程序：**

按预设的**静噪**按钮。

**结果：**

**注释:**

默认设置为**正常**。

仅在模拟模式下支持静噪功能。

- 如果对讲机设置为严格静噪等级，则会发出不断升高的指示提示音。
- 如果对讲机设置为正常静噪等级，则会发出均匀的指示提示音。
- 如果对讲机设置为宽松静噪等级，则会发出不断降低的指示提示音。



## 第 3 章

# 区域和信道选择

区域是一个信道组。您可以为每个信道预设支持不同用户组的不同功能。

表 3：支持的区域和信道数

| 区域数 | 信道数 |
|-----|-----|
| 4   | 64  |

### 3.1

## 选择区域

程序：

按预设的**区域切换按钮**。

结果：

对讲机会显示以下指示：

- 切换到区域 1 时，会发出一声哔声。
- 切换到区域 2 时，会发出两声哔声。
- 切换到区域 3 时，会发出三声哔声。
- 切换到区域 4 时，会发出四声哔声。

### 3.2

## 选择信道

对讲机最多支持 64 个信道。每个信道均可使用不同的功能预设，从而支持不同的用户组。对讲机最多支持四个区域，每个区域 16 个信道。

程序：

通过旋转**信道选择器**旋钮选择信道。

对讲机通过语音播报指示信道编号或预设的信道编号。如果信道未进行预设，对讲机会发出错误提示音。



**注释:** 如果通过 Customer Programming Software（客户编程软件）(CPS) 启用了语音提示功能，对讲机将发出语音播报。

## 第 4 章

# 呼叫

根据呼叫类型，您可以在传统模拟和数字模式下发起、接收和应答呼叫。

### 4.1

## 组呼

组呼是从单个对讲机到一组对讲机的呼叫。要在某个组中通信，必须先将对讲机配置为该通话组的成员。

#### 4.1.1

### 发起组呼

程序：

1. 要使用激活的组 ID 选择信道，请旋转**信道选择器**旋钮。
2. 要呼叫，请按 **PTT** 按键。
3. 等待通话许可音结束后，再对着麦克风讲话。



**注释:** 如果所选信道繁忙，则会响起忙音。对讲机无法发起呼叫。

4. 如果启用了此功能，请等待通话许可音结束后，再对着麦克风讲话。
5. 要进行接听，请松开 **PTT** 按键。

如果对讲机在预定的时间段内未检测到语音活动，则呼叫结束。

#### 4.1.2

### 回复组呼

当收到组呼时，对讲机会显示以下指示：

- 绿色 LED 指示灯亮起。
- 对讲机取消静音，并通过扬声器响起来电。

程序：

1. 要应答，请按 **PTT** 按键。
2. 如果启用了此功能，请等待通话许可音结束后，再对着麦克风讲话。
3. 要进行接听，请松开 **PTT** 按键。

## 4.2

## 单呼

单呼是由一台个体对讲机对另一台个体对讲机的呼叫。

## 4.2.1

### 发起单呼

程序：

1. 要使用激活的用户 ID 选择信道，请旋转**信道选择器**旋钮。
2. 要呼叫，请按 **PTT** 按键。
3. 如果启用了此功能，请等待通话许可音结束后，再对着麦克风讲话。  
 **注释:** 如果所选信道繁忙，则会响起忙音。对讲机无法发起呼叫。
4. 要进行接听，请松开 **PTT** 按键。

如果对讲机在预定的时间段内未检测到语音活动，则呼叫结束。

## 4.2.2

### 回复单呼

当收到单呼时，对讲机会显示以下指示：

- 绿色 LED 指示灯亮起。
- 对讲机取消静音，并通过扬声器响起来电。

程序：

1. 要应答，请按 **PTT** 按键。
2. 等待通话许可音结束后，再对着麦克风讲话。
3. 如果启用了此功能，请等待通话许可音结束后，再对着麦克风讲话。
4. 要进行接听，请松开 **PTT** 按键。

如果对讲机在预定的时间段内未检测到语音活动，则呼叫结束。

## 4.3

## 全呼

全呼是从单个对讲机到某个信道上所有对讲机的单向呼叫。全呼用于发布重要通知。该信道上的接收者无法应答全呼。

当收到全呼时，对讲机会显示以下指示：

- 绿色 LED 指示灯亮起。
- 对讲机取消静音，并通过扬声器响起来电。

全呼不会等待预定时间，会直接终止。全呼结束后，只能使用预设的按钮功能继续。如果在全呼期间切换到另一个信道，对讲机将停止接收呼叫。

#### 4.3.1

### 发起全呼

#### 程序：

1. 要使用所有呼叫 ID 选择信道，请旋转**信道选择器**旋钮。
2. 要呼叫，请按 **PTT** 按键。
3. 如果启用了此功能，请等待通话许可音结束后，再对着麦克风讲话。

## 第 5 章

# 超时计时器

您的系统管理员可以通过 Customer Programming Software（客户编程软件）(CPS) 设置信道的超时时间。

在对讲机预设的超时计时器计时结束前，警告提示音将在计时器结束 10 秒前发出。

在对讲机到达超时时间时，对讲机将停止传输，并会出现以下对讲机指示：

- 将发出连续的提示音。
- 红色 LED 指示灯熄灭。

要继续传输，请松开 **PTT** 按键，然后再次按下 **PTT** 按键。

## 第 6 章

# 呼叫提示操作

呼叫提示使您可以提示一个具体的对讲机用户回呼您。

### 6.1

## 发出呼叫提示

您的经销商可以设置**一键通**按钮，向所需用户 ID 发送呼叫提示。

#### 程序：

1. 选择您想要发送呼叫提示的信道。
2. 按预设的**一键通**按钮。

#### 结果：

##### 如果呼叫提示成功：

在当前信道上检测到目标对讲机时，会发出一声确定提示音。

##### 如果呼叫提示不成功：

发出一声否定提示音。

### 6.2

## 回应呼叫提示

当您收到呼叫提示时，会出现以下对讲机指示：

- 发出一声重复音。

#### 程序：

要应答，请按 **PTT** 按键。

## 第 7 章

# 对讲机遥毙和激活

此功能允许您远程激活或遥毙对讲机。

您可以遥毙被盗的对讲机以防止未经授权的用户使用，并在找回对讲机后将其激活。

### 7.1

## 启动对讲机激活

您的经销商可以设置**一键通**按钮，向所需用户 ID 发送对讲机激活命令。

#### 程序：

1. 选择您要发送对讲机激活命令的信道。
2. 按预设的**一键通**按钮。

#### 结果：

##### 如果对讲机激活成功：

- 发出一声确定提示音。
- 目标对讲机复位。

##### 如果对讲机激活不成功：

- 发出一声否定提示音。

### 7.2

## 启动对讲机遥毙

您的经销商可以设置**一键通**按钮，向所需用户 ID 发送对讲机遥毙命令。

#### 程序：

1. 选择您要发送对讲机遥毙命令的信道。
2. 按预设的**一键通**按钮。

#### 结果：

##### 如果对讲机遥毙成功：

- 发出一声确定提示音。
- 目标对讲机先绿色后红色 LED 指示灯闪烁一次，并且对讲机被遥毙。
- 对讲机不响应用户输入，也无法接收或传输音频。
- 关闭对讲机再打开不会改变对讲机状态。

##### 如果对讲机遥毙不成功：

- 发出一声否定提示音。

## 第 8 章

# 对讲机检测

此功能可让您确定系统内是否有其他对讲机处于活动状态，而且不会打扰该对讲机用户。

### 8.1

## 发起和接收对讲机检测

您的经销商可以设置**一键通**按钮，向所需用户 ID 发送对讲机检测命令。

#### 程序：

1. 选择您要发送对讲机检测命令的信道。
2. 按预设的**一键通**按钮。

#### 结果：

##### 如果对讲机检测成功：

发出一声确定提示音。

目标对讲机先绿色后红色 LED 指示灯闪烁一次，并且对讲机保持静音。

##### 如果对讲机检测不成功：

发出一声否定提示音。



## 第 9 章

# 远程监听

此功能用于打开目标对讲机的麦克风。您可以使用此功能远程监听目标对讲机四周的任何声音活动。在预设的持续时间后或者当在目标对讲机上执行了用户操作时，此功能会自动停止。

### 9.1

## 启动远程监听

您的经销商可以设置**一键通**按钮，向所需用户 ID 发送远程监听命令。

#### 程序：

1. 选择您要发送远程监听命令的信道。
2. 按预设的**一键通**按钮。

#### 结果：

##### 如果请求成功：

- 发出一声确定提示音。
- 目标对讲机先绿色后红色 LED 指示灯闪烁一次。
- 您可以在目标对讲机周围听到音频响起并持续预设的时长。

##### 如果请求不成功：

- 发出一声否定提示音。

## 第 10 章

# 脱网

此功能可让您在下列情况下继续通信：中继器不工作时，或对讲机超出中继器范围但位于其他对讲机的通话范围内时。

### 10.1

## 在中继器和脱网模式之间切换

#### 程序：

按预设的**中继器/脱网**按钮。

当对讲机脱网模式关闭且在对讲机范围内时，在传输过程中，无需连接中继器来将接收参数转换为传输参数。



**注释:** 检查信道以启用脱网功能。

#### 结果：

- 如果响起高音调的铃声，则表示对讲机处于脱网模式。
- 如果响起中等音调的铃声，则表示对讲机处于中继器模式。请确保对讲机在中继器范围内，以便在中继器模式下工作。

## 第 11 章

# 监听功能

此功能允许您在模拟模式下监听当前信道的活动。

### 11.1

## 监听信道

**程序：**

1. 按住预设的**监听**按钮。  
**如果信道正在使用：**  
您听到对讲机活动。  
绿色 LED 指示灯亮起。  
**如果所监听信道未在使用：**  
对讲机发出“白噪声”。  
绿色 LED 指示灯亮起。
2. 要进行呼叫，请按住 **PTT** 按键。
3. 要进行接听，请松开 **PTT** 按键。

### 11.2

## 持续监听

“持续监听”功能会持续监听所选信道的活动。

#### 11.2.1

### 设置持续监听

**程序：**

按预设的**持续监听**按钮。

**结果：**

**当对讲机进入该模式时：**

发出一声确定提示音。

绿色 LED 指示灯亮起。

**当对讲机退出该模式时：**

发出一声否定提示音。

绿色 LED 指示灯熄灭。

第 12 章

# 扫描

开始扫描后，对讲机会扫描当前信道的预设扫描列表来查看是否有语音活动。

对讲机也可执行双模式扫描。如果您位于一个数字信道上，而您的对讲机锁定了一个模拟信道，则在呼叫过程中，对讲机会自动从数字模式切换为模拟模式。如果您位于一个模拟信道上，而您的对讲机锁定了一个数字信道，则在呼叫过程中，对讲机会自动从模拟模式切换为数字模式。

表 4：扫描类型

| 类型        | 说明                                 |
|-----------|------------------------------------|
| 主信道扫描（手动） | 对讲机将对扫描列表中分配给主信道的所有信道进行扫描。         |
| 自动扫描（自动）  | 当您选择一个已经启用自动扫描的信道或通话组时，对讲机会自动开始扫描。 |

如果在对讲机扫描期间按 **PTT** 按键，对讲机将根据扫描列表设置在当前信道、主信道、先前选择的信道或指定的信道上进行传输。

## 12.1 优先级扫描

优先级扫描允许对讲机自动接收来自优先级较高的信道的传输。如果您想要优先处理某个信道，则可以通过 Customer Programming Software（客户编程软件）(CPS) 启用优先级扫描功能。

## 12.2 打开或关闭扫描

程序：

按下预设的**扫描**按钮。

结果：

如果扫描已启用：

- 发出一声确定提示音。
- 绿色 LED 指示灯闪烁。

如果扫描被禁用：

- 发出一声否定提示音。
- 绿色 LED 指示灯熄灭。

 **注释:** 如果启用了自动扫描功能，则对讲机不允许您使用预设的**扫描**按钮打开或关闭信道扫描功能。

## 12.3

## 扫描对讲

在扫描过程中，若检测到活动的信道或通话组，对讲机将停止。对讲机在预设的时限内保持在该信道，该时限被称为“闲置时间”。

**程序：**

1. 要在通话过程中讲话，请在挂断时间期间按 **PTT** 按键。
2. 如果启用了此功能，请等待通话许可音结束后，再对着麦克风讲话。
3. 要进行接听，请松开 **PTT** 按键。

## 12.4

## 删除无用信道

如果某个信道连续出现无用呼叫或噪声（称为“无用”信道），您可以暂时将无用信道从扫描列表中删除。此功能不适用于指定为选定信道的信道。

**程序：**

1. 按预设的**无用信道删除**按钮，直至听到提示音。
2. 松开预设的**无用信道删除**按钮。

## 12.5

## 恢复无用信道

**程序：**

执行以下操作之一：

- 重启对讲机。
- 关闭然后重新打开**扫描**功能。
- 使用**信道选择器**旋钮更改信道。

## 第 13 章

# 按键/信道选择器锁定

此功能允许您在 Customer Programming Software（客户编程软件）(CPS) 中设置按键和信道选择器锁定模式。

可用的锁定模式如下：

### 无

按键可以正常工作。

### 侧边按钮

无法打开或关闭侧面按钮的预设功能。

### 信道选择器

对讲机切换信道被禁用并导致错误提示。

## 第 14 章

# 扰频

扰频功能会使您的传输内容听起来混乱，没有相同扰频代码的任何人都听不懂。



**注释:** 仅在模拟模式下支持扰频功能。

### 14.1

## 发起和接收扰频呼叫

程序：

1. 选择要打开或关闭扰频的信道。
2. 按预设的**扰频开/关**按钮。

**如果扰频已启用：**

发出一声确定提示音。

**如果扰频被禁用：**

发出一声否定提示音。

3. 要呼叫，请按 **PTT** 按键。
  - 如果扰频代码与发射器相同，则对讲机可以接收清楚的呼叫。
  - 如果对讲机收到不同的扰频代码，您将无法听到呼叫或听到混乱的传输内容。

## 第 15 章

# 自动关机

此功能可让您避免对讲机长时间处于空闲状态，从而延长电池寿命。

当自动关机计时器计时结束时，对讲机会自动关机。



**注释:**

当没有用户活动（例如按下按钮或旋转信道选择器旋钮）时，对讲机处于空闲状态。

如果将计时器设置为**无**，则对讲机将禁用自动关机功能。



## 第 16 章

# 经认可的附件列表

表 5：天线

| 部件号       | 说明                           |
|-----------|------------------------------|
| PMAE4123_ | Mag One，UHF，400-470 MHz，鞭状天线 |

表 6：电池

| 部件号       | 说明                   |
|-----------|----------------------|
| PMNN4897_ | Mag One 锂离子 2200T 电池 |

表 7：编程电缆

| 部件号       | 说明                  |
|-----------|---------------------|
| PMKN4294_ | 电缆，数据，USB-A 转 USB-C |

表 8：携带设备

| 部件号       | 说明               |
|-----------|------------------|
| PMLN8741_ | Mag One，2 英寸，皮带夹 |

表 9：充电器和电源

| 部件号       | 说明                         |
|-----------|----------------------------|
| PMPN4677_ | Mag One 充电器，桌面型单座，仅基座，外部电源 |
| PMPN4647_ | 电源适配器，电源 AAD               |

表 10：耳塞和耳机

| 部件号       | 说明                                |
|-----------|-----------------------------------|
| PMLN6534_ | 带线控麦克风/PTT/VOX 发射开关的 Mag One 耳塞   |
| PMLN6531_ | 带线控麦克风/PTT/VOX 发射开关的 Mag One 耳塞听筒 |
| PMLN6532_ | 带麦克风/PTT 的 Mag One 旋转耳机           |
| PMLN6542_ | 带悬臂式麦克风和线控 PTT 开关的 Mag One 超轻型耳机  |
| PMLN6536_ | 双线监听套件，带快速断开式传声管                  |

表 11：远程扬声器麦克风

| 部件号       | 说明               |
|-----------|------------------|
| PMMN4092_ | Mag One 远程扬声器麦克风 |

表 12：设备充电电缆

| 部件号       | 说明                    |
|-----------|-----------------------|
| PMKN4274_ | USB-A 转 USB-C 电缆（仅充电） |