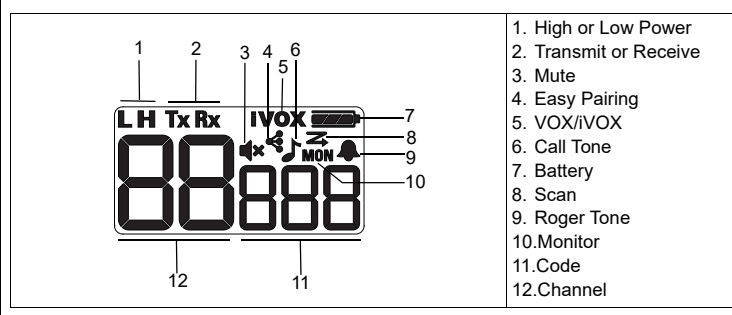
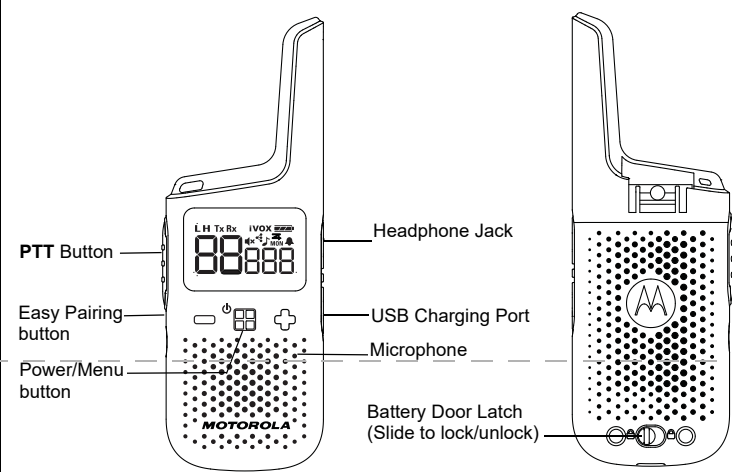


## 1. Getting to Know Your Radio



1. High or Low Power
2. Transmit or Receive
3. Mute
4. Easy Pairing
5. VOX/iVOX
6. Call Tone
7. Battery
8. Scan
9. Roger Tone
10. Monitor
11. Code
12. Channel

Buttons	Descriptions
Menu/Power	<ul style="list-style-type: none"> <li>Press to enter Menu and scroll through the menu screen.</li> <li>Press and hold for two seconds to turn on or off the radio.</li> </ul>
+ and -	<ul style="list-style-type: none"> <li>Press to adjust the volume level.</li> <li>Press to change the settings or trigger action in the menu screen.</li> </ul>
PTT	<ul style="list-style-type: none"> <li>Press and hold to talk, release to stop transmission.</li> <li>Press to exit menu screen and return to home screen.</li> </ul>
EZ-Pairing	<p>Copy channel and code settings from radio A to radio B.</p> <ol style="list-style-type: none"> <li>Radio B—Hold the button until you hear a beep. The radio is ready to be paired. Multiple radios can be paired simultaneously.</li> <li>Radio A—Hold the button until you hear a double beep. The radio broadcasts channel and code settings for other radios to pair.</li> </ol>

### Additional Information

#### Internal Voice Operated Transmission (iVOX)/Voice Operated Transmission (VOX)

The microphone detects if you are talking when using VOX. If you are talking, the radio triggers transmission automatically.

- When iVOX is displayed, the radio uses the built-in microphone to detect your voice.
- When a VOX headset is connected to the radio, VOX is displayed and the headset microphone is used to detect your voice.

You can turn off or select the following settings to select the sensitivity level.

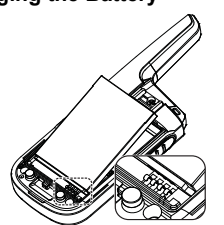
L3	High Sensitivity for quiet environments. Speaking softly is enough to trigger VOX transmission.
L2	Medium Sensitivity for most environments
L1	Low Sensitivity for noisy environments. You must speak up to trigger VOX transmission.

Note: Pressing the PTT button cancels the VOX transmission.



## 2. Setting up Your Radio

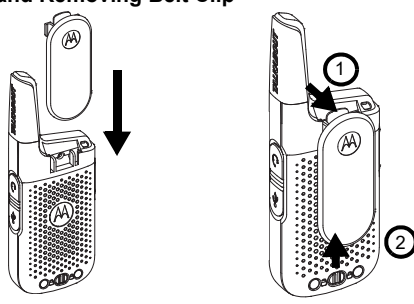
### Installing and Charging the Battery



- Observe the polarity before installing the battery.
- Charge the battery using the desktop charger or USB. Charging is completed when the battery icon on the radio stops blinking. Charging takes up to 8 hours.

Note: Connect the USB charger to a nearby and easily accessible wall power outlet.

### Inserting and Removing Belt Clip



### Turning your Radio On and Off

To turn the radio on or off, hold the Power/Menu button until the display turns on or off.

### Channel and Codes

- Set your radios with the same channel and code setting to enable communication with other radios.
- The H/L (High/Low) icon is part of the Channel Number. Ensure all radios in your group show the same H/L icon.
- The channel setting controls the radio frequency. To avoid jamming, select a channel that is not used by others in your area. See table in Section 3, "Scan" for more information on selecting unused channel.
- The code setting on the transmitting and receiving radios need to match, otherwise the receiving radio blocks the received signal. This feature helps you to mute unwanted voices from other radio users transmitting on your channel.
- When code is set to zero, radio does not block any signal and everything that is picked up on the channel is sent to the speaker. Motorola Solutions recommends setting your code to zero when using T38 with radios that do not support the code feature. See Section 3, "Navigating the Menu Pages" for detailed instructions on how to change settings.
- Channel and code settings can be copied from one radio to multiple radios simultaneously with a shortcut feature called Easy-Pairing. See table in Section 1, "EZ-Pairing" for instruction on how to copy channel and code settings.

### Transmission Power

- In some countries different powers are allowed for different channels. The H/L icon indicates if the current channel is a High or Low power channel. Motorola Solutions recommends you to use high power channels for more reliable communications. Select low power channels only when your radios are not far from each other and you want to maximize the battery life.

### Call Tone

When you send a Call Tone, the receiving radio sounds a tone similar to phone ringing tone.

### Scan

Radio scans for voice activity by cycling through the channels. When signals are detected, the signal is sent to the speaker. This feature allows you to find which channel is being used by other groups and have heavy traffic. This helps you to avoid the busy channels when deciding which channel to use for your group.

### Monitor

You can hear everything including noise on your current radio channel. This feature allows you to monitor a channel for weak signals.

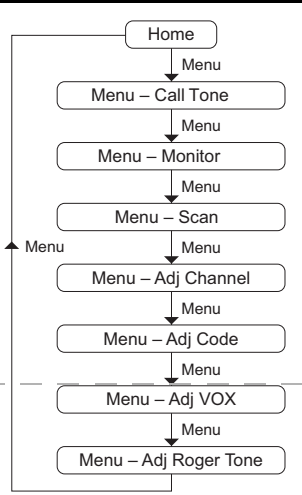
### Roger Tone

This feature adds a beep to mark the end of a transmission when you release the PTT button. When the receiver hears the roger tone, it is a confirmation that complete message has been received.

### Weatherproof

This radio is weatherproof to IP54 standards. The radio is resistant to occasional splash of water only when the battery and connector covers are sealed. Do not expose the radio to water for extended period of time. Do not submerge the radio in water.

## 3. Navigating the Menu Pages



Use the Menu button to scroll through the menu screen. Press PTT to exit any screen and return to home screen.

Menu Screen	Use the + or - button to perform the following actions:
Call Tone 🎵	Start or stop Call Tone transmission.
Monitor MON	<p>Start or stop monitoring the air-wave. You can hear signals transmitted on the channel setting of your radio. If there is no signal, you can hear static.</p> <p>Press + or - button to monitor and release to stop. After a few seconds of monitoring, you hear a beep sound. After the beep sound, radio continues to monitor even if you release the button. To stop monitoring, press + or - again.</p>
Scan Z	Start or stop scanning the air-wave. Radio scans all the channels one after another. When a signal is detected, you hear the signal on the speaker and the radio displays the channel of the detected signal.
Adjust VOX VOX/iVOX	To change the Voice Operated Transmission (VOX) setting, select OFF or L1 to L3. L3 being the most sensitive, use it in quiet environments.
Adjust Roger Tone 🔔	Enable or disable the roger tone. Roger tone is a beep tone that you hear when PTT is released.
Adjust Channel (Channel number blinks)	Change the radio channel setting.
Adjust Code (Code number blinks)	Change the radio code setting.

### Battery Information

The rated battery life is measured under industrial standard 5-5-90 duty cycle under lab conditions. (5% of the time transmitting, 5% receiving with speaker on, 90% waiting for incoming call.) Turn off the radio while charging.

### Battery Capacity Maintenance

The T38 radio comes equipped with a rechargeable Li-Ion battery. This battery should be fully charged before initial use to ensure optimum capacity and performance. Battery life is determined by several factors. Among the more critical are the regular overcharge of batteries and the average depth of discharge with each cycle. Typically, the greater the overcharge and the deeper the average discharge, the fewer cycles a battery will last. For example, a battery which is overcharged and discharged 100% several times a day, lasts fewer cycles than a battery that receives less of an overcharge and is discharged to 50% per day. Further, a battery which receives minimal overcharging and averages only 25% discharge, lasts even longer.

### Push-to-Talk Time-out Timer

To avoid air-wave traffic congestion, transmission ends after one minute even if the PTT button is still pressed. To reset the timer, release the PTT button briefly.

## 4. Using Your Radio

### Talking/Transmitting

- Press and hold the PTT button, then start talking into the microphone.
- Release the PTT button to stop transmission.

Note: Do not press the PTT button when others are talking. When more than one radio transmits on the same channel, the air-wave is jammed and all transmissions are lost.

### Listening/Receiving

- The radio speaker receives signal automatically if radio is set to the same channel and code as the transmitting radio.
- Ensure the speaker volume is set to an appropriate level.

### Adjusting Speaker Volume

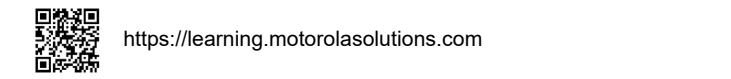
- Press + or - from the home screen.

### Using Headsets

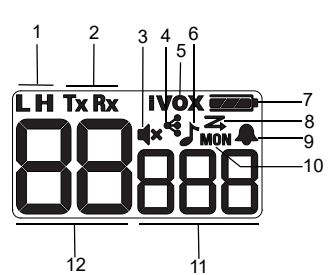
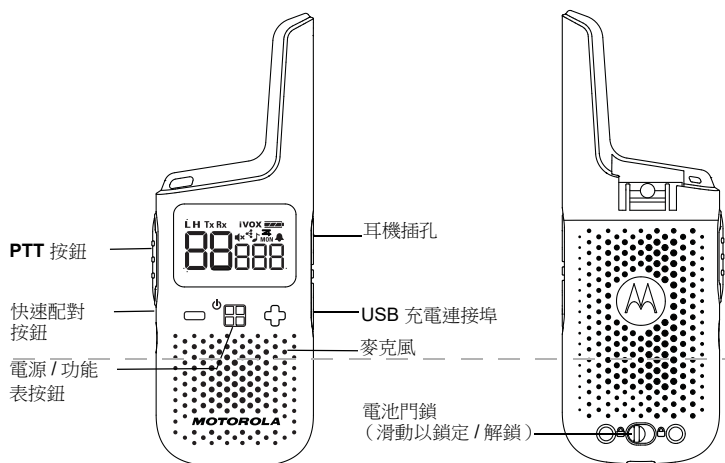
- When a headset is connected to the radio, radio speaker is disabled. You need to wear headset to monitor and receive messages.
- If your headset has PTT button, you can use the button to make a transmission with the microphone on the headset.
- You can still use the PTT button on the radio to make a transmission with the microphone on the radio.

### Channel and Frequencies

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	409.75000	11	409.87500
2	409.76250	12	409.88750
3	409.77500	13	409.90000
4	409.78750	14	409.91250
5	409.80000	15	409.92500
6	409.81250	16	409.93750
7	409.82500	17	409.95000
8	409.83750	18	409.96250
9	409.85000	19	409.97500
10	409.86250	20	409.98750



## 1. 認識您的無線電對講機



1. 高或低功率
2. 傳輸或接收
3. 靜音
4. 快速配對
5. VOX/iVOX
6. 通話鈴聲
7. 電池
8. 掃描
9. 結束通話鈴聲
10. 監聽
11. 編碼
12. 頻道

按鈕	描述
功能表/電源	<ul style="list-style-type: none"> <li>按下進入功能表並在功能表畫面中滾動。</li> <li>長按兩秒以開/關無線電對講機。</li> </ul>
⇨ 及 ⇩	<ul style="list-style-type: none"> <li>按下以調整音量。</li> <li>按下以在功能表畫面中變更設定或觸發操作。</li> </ul>
PTT	<ul style="list-style-type: none"> <li>長按以通話，放開以停止傳輸。</li> <li>按下以離開功能表畫面並返回主畫面。</li> </ul>
快速配對	<p>將頻道和編碼設定從無線電對講機 A 複製至無線電對講機 B。</p> <ol style="list-style-type: none"> <li>無線電對講機 B — 按住按鈕直至聽到嗶一聲。無線電對講機已準備好配對。可同時配對多部無線電對講機。</li> <li>無線電對講機 A — 按住按鈕直至聽到兩下嗶聲。無線電對講機會廣播頻道和編碼設定，以供其他無線電對講機進行配對。</li> </ol>

### 其他資訊

#### 內部聲控傳輸 (iVOX)/ 聲控傳輸 (VOX)

使用 VOX 時，麥克風可偵測到您是否在說話中。如果您在說話中，無線電對講機會自動觸發傳輸。

- 當顯示 iVOX 時，無線電對講機會使用內置麥克風來偵測您的聲音。
- 當 VOX 耳機與無線電對講機連線後，將顯示 VOX，並且使用耳機麥克風來偵測您的聲音。

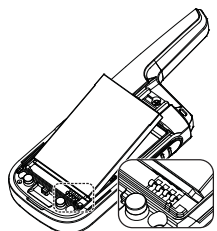
您可以關閉或選擇以下設定來選擇敏感度水平。

L3	敏銳度高，適用於安靜環境。輕聲說話足以觸發 VOX 傳輸。
L2	敏銳度中等，適用於大部分環境
L1	敏銳度低，適用於嘈雜環境。您必須大聲說話才能觸發 VOX 傳輸。

註：按下 PTT 按鈕以取消 VOX 傳輸。

## 2. 設定無線電對講機

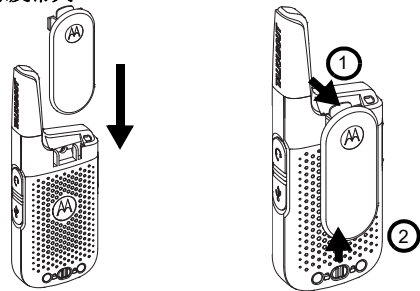
### 安裝電池及充電



- 在安裝電池前，請注意電池的兩極。
- 使用桌面充電器或 USB 為電池充電。當無線電對講機的電池圖示停止閃動時，代表已完成充電。充電時間最長需要 8 小時。

註：將 USB 充電器連接到附近方便插入的電源插座

### 插入和移除皮帶夾



### 開/關無線電對講機

要開/關無線電對講機，請按住電源/功能表按鈕，直至顯示開啟或關閉為止。

### 頻道和編碼

- 請使用相同的頻道和編碼設定各無線電對講機，以確保可以與其他無線電對講機通訊。
- 高/低圖示是頻道號碼的一部分。請確保群組內所有無線電對講機均顯示相同的高/低圖示。
- 頻道設定控制無線電對講機的頻率。為避免干擾，請選擇您所在地區未有人使用的頻道。有關選擇未使用頻道的更多資訊，請參閱第 3 節「掃描」中的表格。
- 傳輸和接收無線電對講機的編碼設定需要相符，否則接收的無線電對講機會阻止接收訊號。此功能可將您頻道傳輸的其他無線電對講機使用者的噪音變成靜音。
- 當編碼設定為零時，無線電對講機不會阻擋任何訊號，並且會將在頻道上接收到的所有內容傳送至揚聲器。當 T38 與不支援編碼功能的無線電對講機一起使用時，Motorola Solutions 建議將編碼設定為零。有關如何變更設定的詳細說明，請參閱第 3 節「導覽功能表頁面」。
- 可同時將頻道和編碼設定從一部無線電對講機複製至多部無線電對講機，只需使用快速配對這個快捷功能即可。有關如何複製頻道和編碼設定的說明，請參閱第 1 節「快速配對」中的表格。

### 傳輸功率

- 某些國家/地區限定不同頻道使用不同的功率。高/低圖示說明目前使用的頻道為高或低功率頻道。Motorola Solutions 建議使用高功率頻道，以確保通訊更穩定。只當各無線電對講機距離不遠，並且您希望盡量延長電池使用時間時，才選擇低功率頻道。

### 通話鈴聲

當您傳送通話鈴聲時，接收的無線電對講機會發出類似電話鈴聲的音調。

### 掃描

無線電對講機透過循環搜尋頻道來掃描語音活動。當偵測到訊號時，會傳送訊號至揚聲器。此功能使您可以搜尋其他群組正在使用哪個頻道和高流量的頻道。此功能可助您為群組選擇頻道，以避免使用繁忙的頻道。

### 監聽

您可以聽到所有聲音，包括目前無線電對講機頻道的噪音。此功能使您可以監聽頻道的微弱訊號。

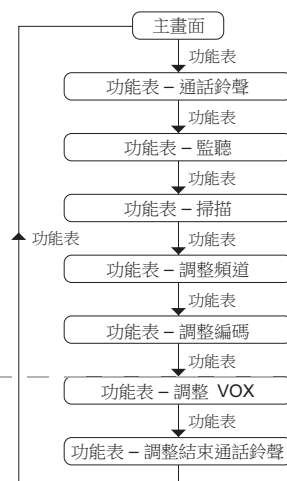
### 結束通話鈴聲

當放開 PTT 按鈕時，此功能會發出嗶一聲以標記傳輸結束。當接收方聽到結束通話鈴聲時，即確認已接收完整訊息。

### 防風雨

此無線電對講機的防風雨性能達 IP54 標準。只當電池和連接器蓋密封時，無線電對講機才可發揮防濺水功能。切勿將無線電對講機長時間暴露在水中。切勿將無線電對講機浸入水中。

## 3. 導覽功能表頁面



使用功能表按鈕在功能表畫面滾動。按下 PTT 可離開任何畫面並返回主畫面。

功能表畫面	使用 ⇨ 或 ⇩ 按鈕以進行以下操作：
通話鈴聲 🎵	開始或停止通話鈴聲傳輸。
監聽 MON	開始或停止監聽電波。您可以在無線電對講機的頻道設定上聽到傳輸的訊號。如果沒有訊號，您可以聽到靜電雜訊。 按下 ⇨ 或 ⇩ 按鈕監聽，放開按鈕即可停止。監聽數秒後，您將聽到嗶聲。嗶聲響起後，即使您放開按鈕，無線電對講機亦將繼續監聽。要停止監聽，請再次按下 ⇨ 或 ⇩。
掃描 Z	開始或停止掃描電波。無線電對講機會依次掃描所有頻道。當偵測到訊號時，您會在揚聲器上聽到訊號，無線電對講機會顯示偵測到訊號的頻道。
調整 VOX VOX/iVOX	要變更聲控傳輸 (VOX) 設定，請選擇關閉或 L1 至 L3。 L3 為最敏銳，適用於安靜的環境。
調整結束通話鈴聲 🔔	啟用或停用結束通話鈴聲。結束通話鈴聲是放開 PTT 時會聽到的嗶聲。
調整頻道 (頻道號碼閃動)	變更無線電對講機頻道設定。
調整編碼 (編碼號碼閃動)	變更無線電對講機編碼設定。

### 電池資訊

額定電池使用時間是在實驗室條件下，根據工業標準 5-5-90 工作週期測量所得。（傳輸時間 5%，揚聲器開啟時接收 5%，等待來電 90%。）充電期間請關閉無線電對講機。

### 電池容量維護

T38 無線電對講機配備可充電鋰離子電池。初次使用前，請為電池完全充電，以確保最佳的電池容量和表現。電池使用時間取決於多種因素。電池經常過度充電，以及每個週期的平均放電程度均是較為關鍵的因素。一般而言，過度充電程度及平均放電程度越高，電池的使用週期越少。例如：某電池一天過度充電並 100% 放電數次，其使用週期將較一天內過度充電次數較少而僅 50% 放電的電池少。另外，如將電池的過度充電次數減至最少，而平均只 25% 放電，此電池的使用時間將會更長。

### 一按通話逾時計時器

為避免電波流量擠塞，即使仍然按下 PTT 按鈕，傳輸會在一分鐘後結束。要重設計時器，請放開 PTT 按鈕。

## 4. 使用無線電對講機

### 說話中 / 傳輸中

- 長按 PTT 按鈕，然後開始對著麥克風說話。
- 放開 PTT 按鈕以停止傳輸。

註：當別人說話時，切勿按下 PTT 按鈕。當多部無線電對講機在同一頻道上傳輸時，電波會受阻，所有傳輸亦會遺失。

### 正在聆聽 / 接收中

- 如果無線電對講機的頻道和編碼設定與傳輸的無線電對講機相同，則無線電對講機的揚聲器會自動接收訊號。
- 確保揚聲器的音量設定為適當水平。

### 調整揚聲器音量

- 按下主畫面的 ⇨ 或 ⇩ 按鈕。

### 使用耳機

- 將耳機與無線電對講機連線時，無線電對講機的揚聲器將會停用。您需要戴上耳機來監聽和接收訊息。
- 如果您的耳機備有 PTT 按鈕，您可以使用按鈕在耳機的麥克風傳輸。
- 您仍然可以使用無線電對講機的 PTT 按鈕，以在無線電對講機的麥克風傳輸。

### 頻道和頻率

頻道	頻率 (MHz)	頻道	頻率 (MHz)
1	409.75000	11	409.87500
2	409.76250	12	409.88750
3	409.77500	13	409.90000
4	409.78750	14	409.91250
5	409.80000	15	409.92500
6	409.81250	16	409.93750
7	409.82500	17	409.95000
8	409.83750	18	409.96250
9	409.85000	19	409.97500
10	409.86250	20	409.98750



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