TALKABOUT™ TWO-WAY RADIO T38 USER GUIDE





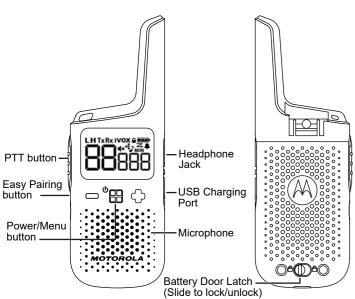
MN009977A01-AA

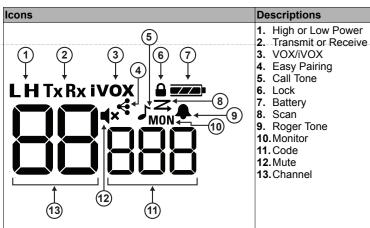
MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners, © 2023 Motorola Solutions, Inc. All rights reserved.

English

Radio Overview

This section describes the buttons and functions available on the radio





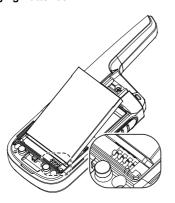
Buttons	Descriptions
Menu/Power	Press to enter Menu and scroll through the menu screen. Press and hold for two seconds to turn on or off the radio
+ and -	 Press to adjust the volume level. Press to change the settings or trigger action in the menu screen.
PTT	Press and hold to talk, release to stop transmission. Press to exit menu screen and return to home screen.
Easy Pairing	 Copy the channel and sub code settings from Radio A to Radio B. 1. Radio B-Hold the button until you hear a beep. The radio is ready to be paired. Multiple radios can be paired simultaneously. 2. Radio A-Hold the button until you hear a double beep. The radio broadcasts channel and code settings for other radios to pair.

Radio Set-Up

1-1

This section provides information on how to set-up radios.

Installing and Charging Batteries

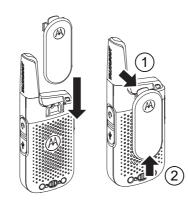


- 1 Before installing the batteries, observe the polarity.
- 2 Charge the battery by using the USB or a desktop charger (optional

Charging is complete when the battery icon on the radio stops blinking. Charging takes up to 8 hours.

Inserting and Removing the Belt Clip

· To insert or remove the belt clip, refer to the following images:



Turning the Radio On and Off

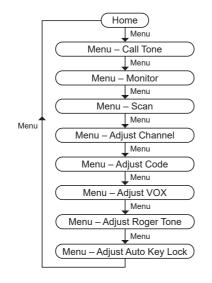
To turn the radio on or off, press and hold the Power/Menu button. The LCD display turns on or off.

Channel and Codes

- · Set your radios with the same channel and code setting to enable communication with other radios.
- The channel setting controls the radio frequency. To avoid jamming, select a channel that is not used by others in your area. See Scan on page 1 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
- · 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 communicating with radio that does not support the code feature. See Navigating the Menu Pages on page 1 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 Radio Overview on page 1 for instruction on ways to copy channel and code

Navigating the Menu Pages

- Use the Menu button to scroll through the menu options.
- 2 Press the PTT button to return to home screen



Operations in the Menu Screen

Monitor MON 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. Scan Start or stop scanning the air-wave. Radio scans all the channels one after another. When a signal is detected, you hear the signal of the speaker and the radio displays the channel of the detected signal. Adjust VOX/iVOX To change the Voice Operated Transmission (VOX) setting, select OFF or L1 to L3. L3 is the most sensitive setting for use in quiet environments. Adjust Roger Tone Enable or disable the roger tone. Roger tone is a beep tone that you hear when P is released. Adjust Channel (Channel number blinks) Adjust Code (Code number blinks) Change the radio code setting.	Menu Page	Use the + or - button to perform the following actions:		
You can hear signals transmitted on the channel setting of your radio. If there is no signal, you can hear static. Scan Start or stop scanning the air-wave. Radio scans all the channels one after another. When a signal is detected, you hear the signal of the speaker and the radio displays the channel of the detected signal. Adjust VOX/IVOX VOX/IVOX To change the Voice Operated Transmission (VOX) setting, select OFF or L1 to L3. L3 is the most sensitive setting for use in quiet environments. Adjust Roger Tone Enable or disable the roger tone. Roger tone is a beep tone that you hear when P is released. Adjust Channel (Channel number blinks) Adjust Code (Code number blinks) Change the radio code setting.	Call Tone	Start or stop Call Tone transmission.		
Radio scans all the channels one after another. When a signal is detected, you hear the signal of the speaker and the radio displays the channel of the detected signal. Adjust VOX/iVOX To change the Voice Operated Transmission (VOX) setting, select OFF or L1 to L3. L3 is the most sensitive setting for use in quiet environments. Adjust Roger Tone Enable or disable the roger tone. Roger tone is a beep tone that you hear when P is released. Adjust Channel (Channel number blinks) Adjust Code (Code number blinks) Change the radio code setting.		You can hear signals transmitted on the channel setting of your radio. If there is no signal, you can		
(VOX) setting, select OFF or L1 to L3. L3 is the most sensitive setting for use in quiet environments. Adjust Roger Tone Enable or disable the roger tone. Roger tone is a beep tone that you hear when P is released. Adjust Channel (Channel number blinks) Adjust Code (Code number blinks) Change the radio code setting.		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		
Roger tone is a beep tone that you hear when P is released. Adjust Channel (Channel number blinks) Adjust Code (Code number blinks) Roger tone is a beep tone that you hear when P is released. Change the radio channel setting.		(VOX) setting, select OFF or L1 to L3. L3 is the most sensitive setting for use in quiet		
(Channel number blinks) Adjust Code (Code number blinks) Change the radio code setting.	Adjust Roger Tone	Roger tone is a beep tone that you hear when PTT		
(Code number blinks)		Change the radio channel setting.		
Adjust Auto Key Lock Change the Auto Key Lock setting.		Change the radio code setting.		
	Adjust Auto Key Lock	Change the Auto Key Lock setting.		

Radio Usage

This section shows the ways you can use your radio.

Talking or Transmitting

- 1 Press and hold the PTT button, then start talking into the microphone.
- 2 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 airwave is jammed, and all transmissions are lost.

Listening or Receiving

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

Adjusting Speaker Volume

· Press the + or - button from the home screen.

Unlocking Auto Key Lock

When Auto Key Lock feature is enabled, the Power/Menu, +, and - buttons are locked after 10 seconds of inactivity.

· To unlock the three front buttons, press and hold any of them for two seconds

Headset Usage

- · When a headset is connected to the radio, the radio speaker is disabled. Wear the connected headset to monitor and receive messages.
- · If your headset has the 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.

Additional Information

This chapter explains the features of your radio

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

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

To select the VOX/iVOX sensitivity level, select the following settings:

Table 1: VOX/iVOX Sensitivity Level

Level	Descriptions	
OFF	Turn off the VOX or iVOX settings.	
L3	High Sensitivity for quiet environments. Speaking softly is enough to trigger the VOX or iVOX transmission.	
L2	Medium Sensitivity for most environments.	
L1	Low Sensitivity for noisy environments. Speak up to trigger the VOX or iVOX transmission.	



Note: Pressing the PTT button cancels the VOX or iVOX transmission.

Call Tone

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

Radio scans for voice activity by cycling through the channels. When signals are detected, the signal is sent to the speaker. Scan feature allows you to find out the channel that is used by other groups and has heavy traffic. Scan feature helps you to avoid busy channels when deciding the channel to use for vour group.

Monitor

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

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 Function

This radio is weatherproof to IP-54 standards. The radio is resistant to occasional splash of water only when the battery and connector covers are

- Do not expose the radio to water for extended period of time.
- Do not submerge the radio in water.

Battery Information

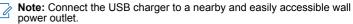
The rated battery life is measured under industrial standard 5-5-90 duty cycle under lab conditions, 5 % of the time transmitting, 5 % receiving with speaker on, 90 % waiting for incoming call.

⚠ Caution: Use only Motorola Solutions approved batteries. Risk of explosion if the battery is replaced by an incorrect type.

Battery Capacity Maintenance

Batteries 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. The greater the overcharge and the deeper the average discharge, the fewer cycles a battery lasts. 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. A battery which receives minimal overcharging and averages only 25 % discharge, lasts longer.



Caution: Charge only Li-Ion type rechargeable batteries. Other types of batteries may burst, causing personal injury or damage. Turn off radio before charging.

Push-to-Talk Time-Out Timer

To avoid airwave traffic congestion, transmission ends after one minute even if the PTT button is still pressed. You can reset the timer by releasing the PTT

Channels and Frequencies

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	409.7500	11	409.8750
2	409.7625	12	409.8875
3	409.7750	13	409.9000
4	409.7875	14	409.9125
5	409.8000	15	409.9250
6	409.8125	16	409.9375
7	409.8250	17	409.9500
8	409.8375	18	409.9625
9	409.8500	19	409.9750
10	409.8625	20	409.9875

How to Obtain More Information

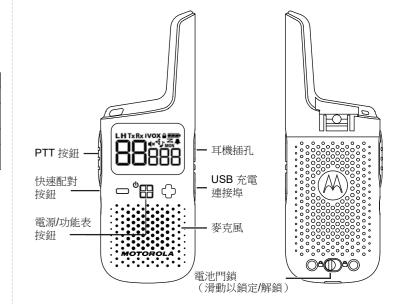


http://www.motorolasolutions.com/talkabout

繁體中文(香港)

無線電對讚機概覽

本節介紹無線電對講機的按鈕和功能。



1-4

1-2 1-3

按鈕	描述
功能表/電源	按下以進入功能表並滾動瀏覽功能表畫面。長按兩秒以開/關無線電對講機。
+及-	按下以調整音量。按下以在功能表畫面中變更設定或觸發操作。
PTT	長按以通話,放開以停止傳輸。按下以離開功能表畫面並返回主畫面。
快速配對	將頻道和子編碼設定從無線電對講機 A 複製至無線電對講機 B。 1. 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。 2. 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配對。

設定無線電對講機

本節介紹設定無線電對講機的方式。

安裝電池及充電

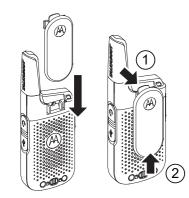


- 1 在安裝電池前,請注意電池的兩極。
- 2 使用 USB 或桌面充電器(可選配件)為電池充電。

當無線電對講機的電池圖示停止閃爍時,代表已完成充電。充電時間最長需 要8小時。

插入和移除皮帶夾

• 要插入或移除皮帶夾,請參考下列影像:



開啟及關閉無線電對講機

要開啟或關閉無線電對講機,按住**電源/功能表**按鈕。 液晶顯示屏會相應開/關。

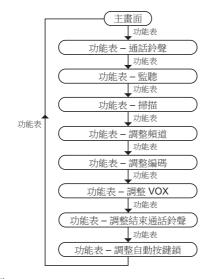
頻道和編碼

- 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。
- 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,請參閱掃描 在第 頁 2。
- 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。此功能可將經您頻道傳輸的其他無線電對講機用戶的噪音變成靜
- 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。當與不支援編碼功能的無線電對講機通訊時 2-1

- Motorola Solutions 建議將編碼設定為零。有關如何變更設定的詳細說明,請參閱導覽功能表頁面 在第 頁 2。
- 。 阿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 閱無線電對講機概覽 在第 頁 1。

導覽功能表頁面

- 2 按下 PTT 按鈕以返回主畫面。



功能表書面上的操作

勿能权重叫工的床件	
功能表頁面	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。
掃描	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/iVOX VOX/iVOX	要變更聲控傳輸 (VOX) 設定,請選擇關閉或 L1 至 L3。 L3 為最敏銳的設定,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 (頻道號碼閃爍)	變更無線電對講機頻道設定。
調整編碼 (編碼號碼閃爍)	變更無線電對講機編碼設定。
調整自動按鍵鎖	變更自動按鍵鎖設定。

使用無線電對講機

本節介紹使用無線電對講機的方式。

說話中或傳輸中

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

正在黔麓或接收中

- 1 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。
- 2 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。

解鎖自動按鍵鎖

啟用自動按鍵鎖功能後,**電源/功能表、+**和-按鈕會在閒置 10 秒後鎖定。

• 要解鎖三個正面按鈕,請按住其中任何一個按鈕兩秒。

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。戴上耳機來
- 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。

其他資訊

本節介紹無線電對講機的功能。

內部聲控傳輸 (iVOX)/聲控傳輸 (VOX)

使用 iVOX 或 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

要選擇 VOX/iVOX 的敏銳度水平,請選擇以下設定:

表 2: VOX/iVOX 敏銳度水平

水平	描述
關閉	關閉 VOX 或 iVOX 設定。
L3	敏銳度高,適用於安靜環境。輕聲說話足以觸發 VOX 或 iVOX 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。大聲說話才能觸發 VOX 或 iVOX 傳輸。

│ 備註: 按下 PTT 按鈕以取消 VOX 或 iVOX 傳輸。

诵話鈴聲

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。

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。掃描功能使您可以搜尋其他群組正在使用的頻道和高流量的頻道。掃描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。

防風雨功能

此無線電對講機的防風雨性能達 IP-54 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。

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%。

<u>注意: 請只使用 Wilder</u> 代,可能會有爆炸風險。 注意: 請只使用 Motorola Solutions 認可的電池。如使用類型不符的電池替

電池容量維護

初次使用前,請為此電池完全充電,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。過度充電程度及平均放電程度越高,電池的使用週期越少。如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。如將電池的過度充電次數減至最少,而平均口 2660 抽雲,此雲地的焦用時期继令無三 只 25% 放電, 此電池的使用時間將會更長。

☐ 備註: 將 USB 充電器連接至就近且易於取用的牆壁電源插座。

⚠ 注意: 僅為可充電鋰離子電池充電。其他類型的電池可能會爆炸,導致人身傷害或損失。充電前先關閉無線電對講機。

一按通話逾時計時器

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

類當知類家

双星代双干				
頻道	頻率 (MHz)	頻道	頻率 (MHz)	
1	409.7500	11	409.8750	
2	409.7625	12	409.8875	
3	409.7750	13	409.9000	
4	409.7875	14	409.9125	
5	409.8000	15	409.9250	
6	409.8125	16	409.9375	
7	409.8250	17	409.9500	
8	409.8375	18	409.9625	
9	409.8500	19	409.9750	
10	409.8625	20	409.9875	

如何獲取更多資訊



http://www.motorolasolutions.com/talkabout

Notes

2-4

Notes

2-2 2-3