



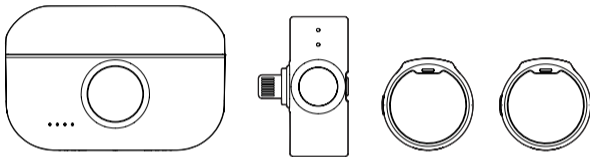
LARK M2

User Manual

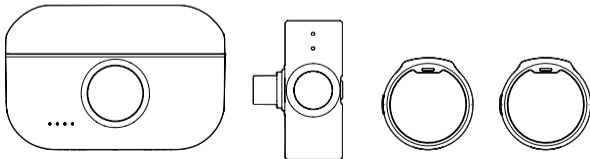
V1.0

Version Overview

LARK M2 Duo (Lightning)

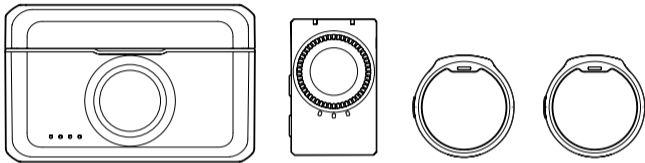


LARK M2 Duo (USB-C)



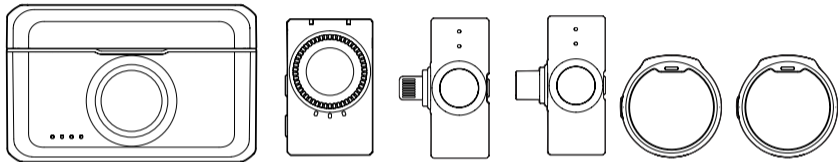
Version Overview

LARK M2 Duo (Camera)



Version Overview

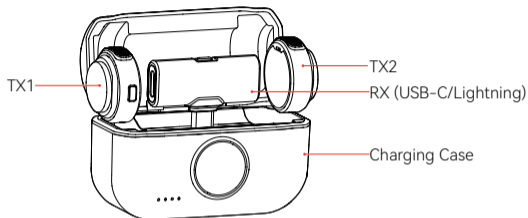
LARK M2 Combo



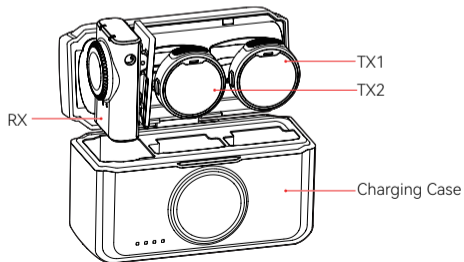
* The quantity of the items depends on the product configuration.

Product Overview

Mobile Version

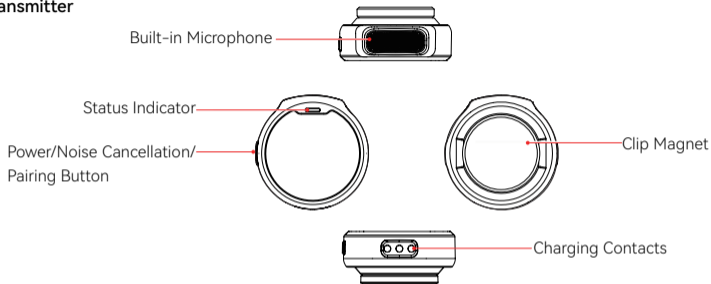


Camera Version

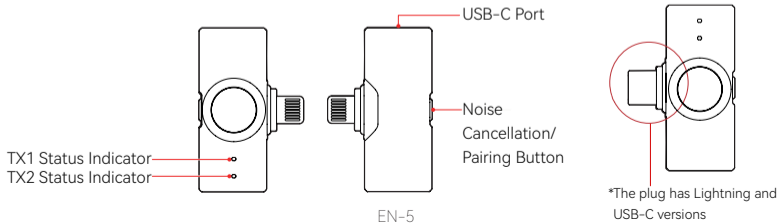


Product Overview

TX: Transmitter

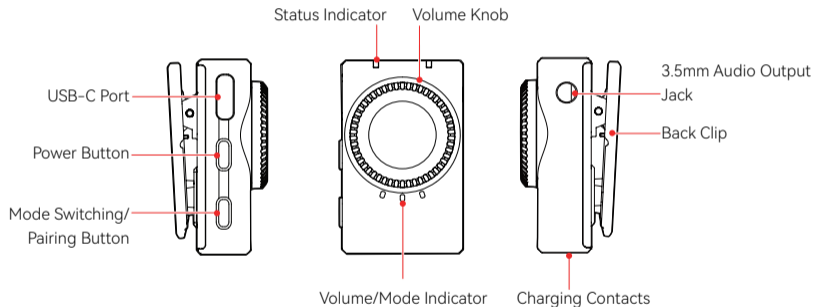


Mobile Version RX: Receiver (Lightning/USB-C)



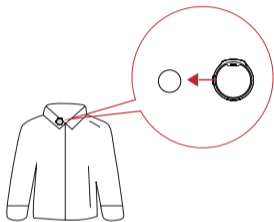
Product Overview

Camera Version RX: Receiver

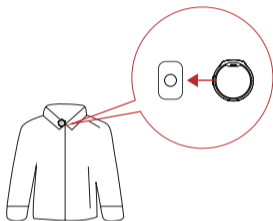


Product Usage (Mobile Version)

- ① The preferred placement for TX is at the collar. If speaking with a loud volume, you can choose an upper chest position. You can wear it using either the back clip or clip magnet.

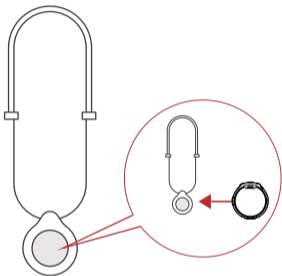


- a. Place the clip magnet on the back of the collar, and secure TX on the front of the collar with the magnet.



- b. Clip the back clip onto the collar, and secure TX with the clip.

- ② A magnet necklace for the clip magnet is included, allowing you to secure TX around your neck.



- * In order to achieve the best possible sound quality during recording, it's important to place the TX correctly. Make sure that the microphone is not covered by any cloth. If you are recording outdoors, it's recommended to use a windscreen to minimize unwanted noise caused by the wind and breathing sounds.

Product Usage (Mobile Version)

① Plug RX (Lightning) into phone

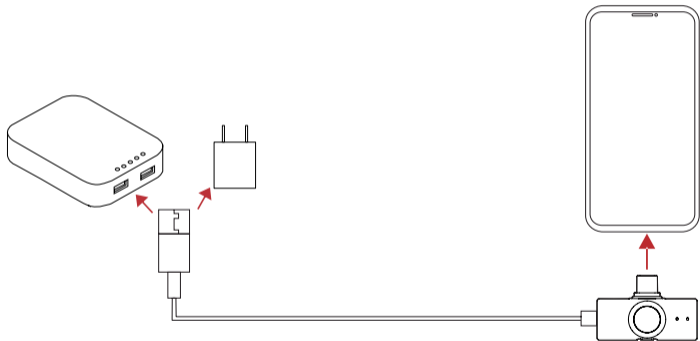


② Plug RX (USB-C) into phone



Product Usage (Mobile Version)

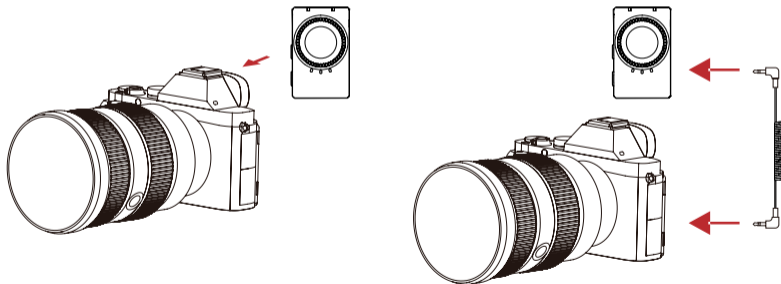
- ③ Charge your phone through the RX for simultaneous charging and usage



Product Usage (Camera Version)

Connect RX to camera

1. Attach the RX to the camera's hot shoe/cold shoe using the back clip;
2. Connect the RX's 3.5mm audio output port to the camera's 3.5mm audio input port using a 3.5mm TRS to TRS cable;
3. Set the camera's recording volume to the minimum level and the receiver's output volume to the medium level to ensure best recording quality.



Indicator Description

TX Indicator Lights

Description	Status
Blue light flashing	TX and RX not connected
Blue light steady	TX and RX connected
Green light steady (in use)	Noise Cancellation ON
Pink light steady	TX updating
Orange light steady	TX charging
Green light steady (while charging)	TX fully charged
Red light flashing slowly	TX low battery

Mobile Version RX Indicator Lights

Description	Status
Blue light flashing	TX and RX not connected
Blue light steady	TX and RX connected
Green light steady (in use)	Noise Cancellation ON
Pink light steady	RX updating
Red light flashing slowly	TX low battery

Camera Version RX Indicator Lights

Description	Status
Blue status indicator light flashing	TX and RX not connected

Indicator Description

Blue status indicator light steady	TX and RX connected
Green status indicator light steady (in use)	Noise Cancellation ON
Pink status indicator light steady	RX updating
Orange status indicator light steady	RX charging
Green status indicator light steady (while charging)	RX fully charged
Red status indicator light flashing slowly	TX low battery
Two red status indicator lights flashing quickly	RX low battery
Blue volume/mode indicator light steady	Stereo
Green volume/mode indicator light steady	Mono
One volume/mode indicator light steady	Low volume
Two volume/mode indicator lights steady	Medium volume
Three volume/mode indicator lights steady	High volume

Charging Case Indicator Lights

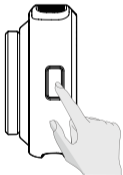
One LED ON	25% battery
Two LEDs ON	50% battery
Three LEDs ON	75% battery
Four LEDs ON	100% battery
One LED ON, steady red	Low battery level and cannot charge the RX and TX
One flashing LED when connected via USB	Charging
Four LEDs sequence on	Charging case updated

Automatic On/Off

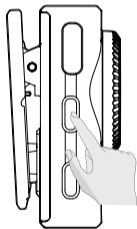
Take the TX and RX out from the charging case to turn on automatically.
Place the TX and RX back in the charging case to turn off automatically.

Manual On/Off

Press and hold the TX power button, or the Camera Version RX power button for 3 seconds to turn on/off.



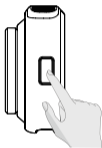
Press and hold the TX power button for 3 seconds



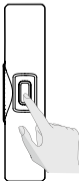
Press and hold the RX power button for 3 seconds

Noise Cancellation

1. Press the noise-cancellation button on TX to turn the function on or off. When noise cancellation is on, the status indicator on TX turns green.

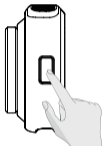


2. Press the noise-cancellation button on the mobile version RX to turn the function on or off. When noise cancellation is on, the status indicator on the RX turns green.



Manual Pairing

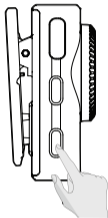
1. With the TX off, press and hold the TX pairing button for 6 seconds to start pairing. The TX status light will quickly flash blue when in pairing.



2. For mobile version RX, connect it to a phone and hold the pairing button for 3 seconds to start pairing. The RX status light will quickly flash blue when in pairing.



3. With the camera version RX on, hold the pairing button for 3 seconds to start pairing.



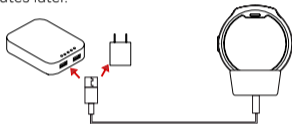
* The TX and the RX are pre-paired at the factory.

Automatic Charging

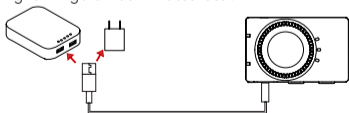
When the status indicator on TX turns into slow flashing red, or when both status indicators on RX turn into fast flashing red, place them in the charging case and they will start charging automatically. Solid orange indicates charging in progress. Solid Green indicates charging completed.

Manual Charging

When the status indicator on TX turns into slow flashing red, you can charge the TX using the magnetic charger. Solid orange indicates charging in progress. Solid Green indicates charging completed and the light will go off 30 minutes later.

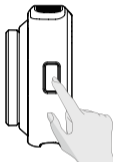


When both status indicators on the camera version RX turn into fast flashing red, you can charge the RX using the charging cable. Solid orange indicates charging in progress. Solid Green indicates charging completed and the light will go off 30 minutes later.



Video Recording Control

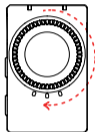
While shooting with your phone, double-press the button on TX to start or stop video recording.



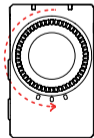
* This function only works when the camera app of your phone supports the function of controlling video recording by pressing the volume key.

Volume Adjustment (Camera Version RX Only)

The factory default volume is set at medium level, with three levels available: high, medium, and low.



Turn the volume knob clockwise to turn the volume up.
Turn the volume knob counterclockwise to turn the volume down.

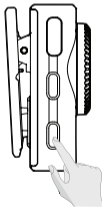


Mode Switching (Camera Version RX Only)

Connected to a phone: The green light stays on. Only support mono mode.

Connected to a camera: The blue light stays on, indicating stereo mode; the green light stays on, indicating mono mode.

To switch mode, simply press the mode switching button on the RX.



Note:

1. The mobile version only supports mono mode.
2. Only pair one RX to the TX during recording to ensure proper operation of the LARK M2 combo version.

Firmware Update

Mobile Version: Update via the Lark Sound app.

Camera Version: Update via the Lark Sound app or from Hollyland official website.

Lark Sound

The Lark Sound app is available for download on Xiaomi, Huawei, and Apple App Stores. You can also scan the QR code below to download the app.



Lark Sound

The Lark Sound app is a perfect match for Hollyland wireless microphones. With the app, you'll have access to a range of smart features, such as parameter configurations and firmware updates, that work together seamlessly to enhance your microphone performance.



Requires iOS 12.0 or higher



Requires Android 8.0 or higher



Specifications

Mic Sensitivity	-37 dBV ± 2dB @ 1 KHz, 94dB SPL
Wireless Modulation Mode	GFSK 2 Mbps
Wireless Transmission	2.4 GHz Adaptive Frequency Hopping (AFH)
Transmission Range	Mobile Version: Up to 1000ft (300m) for LOS/200ft (60m) for NLOS Camera Version: Up to 1000ft (300m) for LOS/130ft (40m) for NLOS
Mic Polar Pattern	Omnidirectional
Frequency Response	20 Hz–20 kHz
Signal-to-Noise Ratio	> 70dB
Sound Pressure Level	115dB SPL
Bit Depth	24-bit
Sample Rate	48kHz
Battery Voltage	TX: 3.87V Camera Version RX: 3.87V Mobile Version Charging Case: 3.8V Camera Version Charging Case: 3.8V
Battery Capacity	TX: 97 mAh Camera Version RX: 145 mAh Mobile Version Charging Case: 750 mAh Camera Version Charging Case: 1950 mAh

Specifications

Operating Time	TX: About 10 hours Camera Version RX: About 9 hours Mobile Version Charging Case: > 2 times charging for 2 TX at the same time Camera Version Charging Case: > 3 times charging for all TX and RX at the same time
Charging Time	TX: About 1.5 hours Camera Version RX: About 1.5 hours Mobile Version Charging Case: < 1.5 hours Camera Version Charging Case: < 2 hours
Charging Temperature	0° C to 45° C
Operating Temperature	-10° C to 45° C
Dimensions	TX: Approx. D26mm x 9.9mm (1.0" x 0.4") Mobile Version RX: Approx. 40mm x 16.5mm x 9mm (1.6" x 0.6" x 0.4") Camera Version RX: Approx. 40mm x 25.7mm x 20.5mm (1.6" x 1.0" x 0.8") Mobile Version Charging Case: Approx. 75.8mm x 49.8mm x 35mm (3.0" x 2.0" x 1.4") Camera Version Charging Case: Approx. 86mm x 54mm x 39mm (3.4" x 2.1" x 1.5")
Weight	TX: Approx. 9g (0.3oz) Mobile Version RX: Approx. 6g (0.2oz) Camera Version RX: Approx. 14.8g (0.5oz) Mobile Version Charging Case: Approx. 65.6g (2.3oz) Camera Version Charging Case: Approx. 111g (3.9oz)

* The data provided above is based on laboratory testing results.

If you encounter any problems in using the product or need any help, please contact Hollyland Support Team via the following ways:

 Hollyland User Group

 HollylandTech

 HollylandTech

 HollylandTech

 support@hollyland.com

 www.hollyland.com

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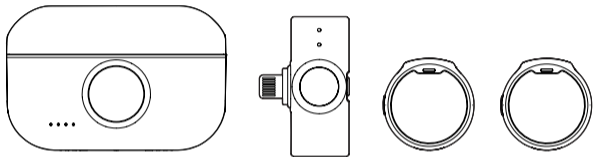
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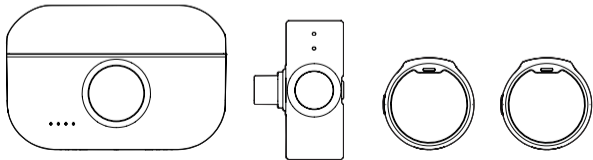
Note:

Due to product version upgrades or other reasons, this User Manual will be updated from time to time. Unless otherwise agreed, this document is provided as a guide for use only. All representations, information, and recommendations in this document do not constitute warranties of any kind, express or implied.

LARK M2 Duo (Lightning)

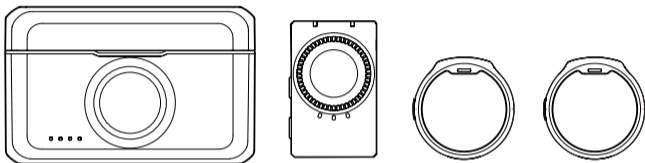


LARK M2 Duo (USB-C)

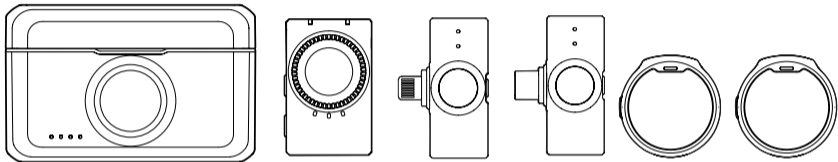


版本概覽

LARK M2 Duo (相機)



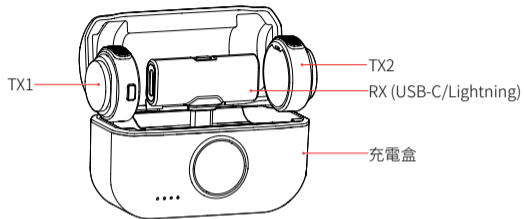
LARK M2 Combo



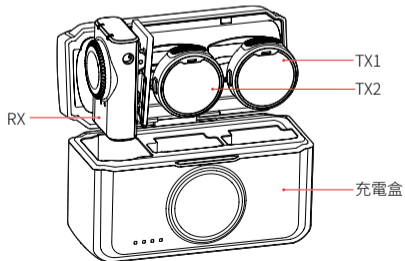
* 品項數量取決於產品配置。

產品概覽

行動版

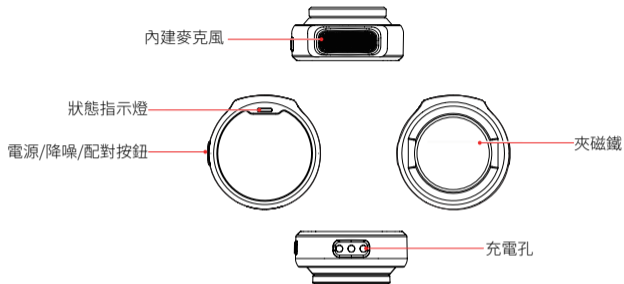


相機版

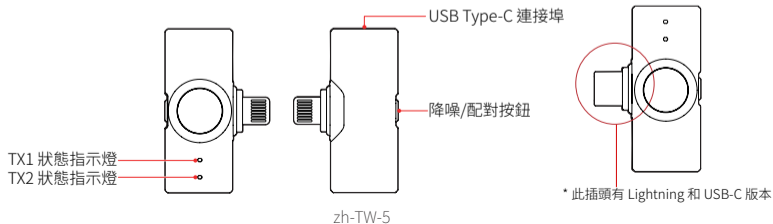


產品概覽

TX：發射器

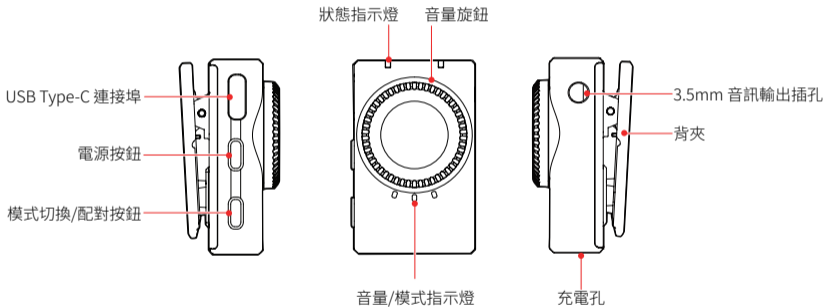


行動版 RX：接收器 (Lightning/USB-C)



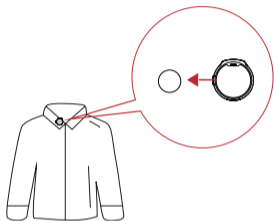
產品概覽

相機版 RX：接收器

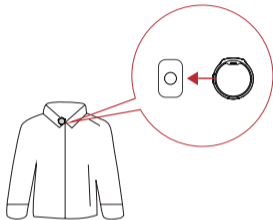


產品用法 (行動版)

- ① TX 首選放置在衣領處。如果說話聲音大，可以選擇上胸部的位置。您可以使用背夾或夾磁鐵來佩戴。

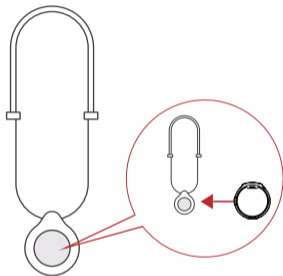


- a. 將夾磁鐵放在衣領背面，然後用磁鐵將 TX 固定在衣領正面。



- b. 將背夾夾到衣領上，然後用夾子固定 TX。

- ② 隨附用於夾磁鐵的磁鐵項鍊，可讓您將 TX 固定在脖子上。



- * 為了在錄製期間實現最佳可能音質，正確放置 TX 很重要。確保麥克風未遭受任何衣物覆蓋。戶外錄製時，建議用擋風板使風和呼吸聲造成的多餘噪音降到最低。

產品用法 (行動版)

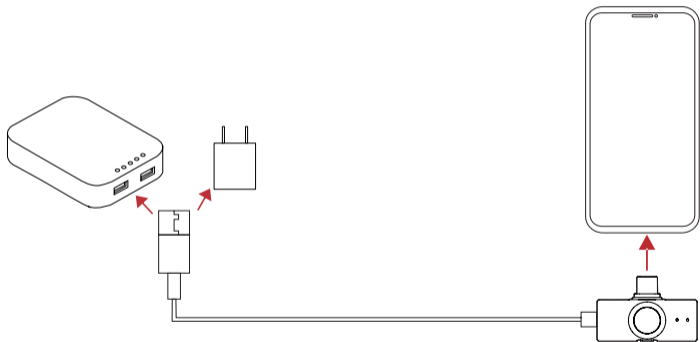
① 將 RX (Lightning) 插進手機



② 將 RX (USB-C) 插進手機

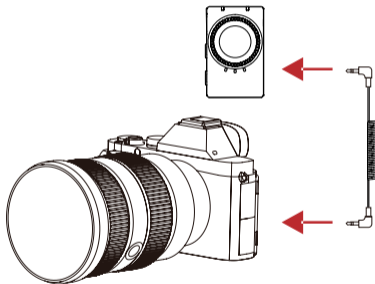
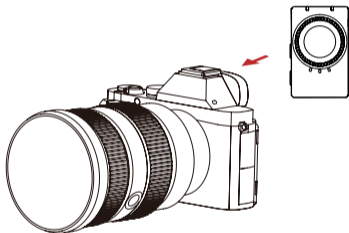


- ③ 透過 RX 為手機充電，實現充電和使用同時進行



將 RX 連接到相機

1. 使用背夾將 RX 附接到相機的熱靴或冷靴；
2. 使用 3.5mm TRS 轉 TRS 纜線將 RX 的 3.5mm 音訊輸出埠連接到相機的 3.5mm 音訊輸入埠；
3. 將相機的錄製音量設定為最小等級，並將接收器的輸出音量設定為中度等級，以確保最佳的錄製品質。



指示燈說明

TX 指示燈

說明	狀態
藍燈閃爍	TX 和 RX 未連接
藍燈恆亮	TX 和 RX 已連接
綠燈恆亮 (使用中)	降噪開啟
粉紅燈恆亮	TX 更新
橙燈恆亮	TX 充電中
綠燈恆亮 (充電時)	TX 充滿電
紅燈緩慢閃爍	TX 電池電量低

行動版 RX 指示燈

說明	狀態
藍燈閃爍	TX 和 RX 未連接
藍燈恆亮	TX 和 RX 已連接
綠燈恆亮 (使用中)	降噪開啟
粉紅燈恆亮	RX 更新
紅燈緩慢閃爍	TX 電池電量低

相機版 RX 指示燈

說明	狀態
藍色狀態指示燈閃爍	TX 和 RX 未連接

指示燈說明

藍色狀態指示燈恆亮	TX 和 RX 已連接
綠色狀態指示燈恆亮 (使用中)	降噪開啟
粉紅色狀態指示燈恆亮	RX 更新
橙色狀態指示燈恆亮	RX 充電中
綠色狀態指示燈恆亮 (充電時)	RX 充滿電
紅色狀態指示燈緩慢閃爍	TX 電池電量低
兩個紅色狀態指示燈快速閃爍	RX 電池電量低
藍色音量/模式指示燈恆亮	立體聲
綠色音量/模式指示燈恆亮	單聲道
一個音量/模式指示燈恆亮	音量低
兩個音量/模式指示燈恆亮	中等容量
三個音量/模式指示燈恆亮	音量高

充電盒指示燈

一個 LED 亮起	25% 電池電量
兩個 LED 亮起	50% 電池電量
三個 LED 亮起	75% 電池電量
四個 LED 亮起	100% 電池電量
一個 LED 亮起，恆亮紅燈	電池電量低，無法為 RX 和 TX 充電
透過 USB 連接時，一個 LED 閃爍	充電中
四個 LED 亮起	充電盒已更新

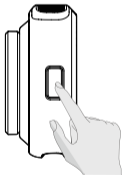
自動開啟/關閉

將 TX 和 RX 從充電盒取出即可自動開啟。

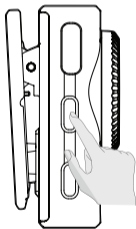
將 TX 和 RX 放回充電盒中即可自動關閉。

手動開啟/關閉

按住 TX 電源按鈕或相機版 RX 電源按鈕 3 秒即可開啟/關閉。



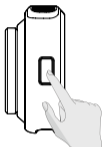
按住 TX 電源按鈕 3 秒



按住 RX 電源按鈕 3 秒

降噪

1. 按下 TX 上的降噪按鈕即可將功能開啟或關閉。當降噪開啟時，TX 上的狀態指示燈會轉亮綠燈。

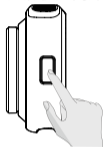


2. 按下行動版 RX 上的降噪按鈕即可將功能開啟或關閉。當降噪開啟時，RX 上的狀態指示燈會轉亮綠燈。



手動配對

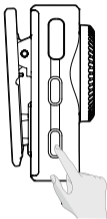
1. TX 關閉後，按住 TX 配對按鈕 6 秒即可開始配對。配對時，TX 狀態燈將快速閃爍藍燈。



2. 對於行動版 RX，將其連接到手機並按住配對按鈕 3 秒即可開始配對。配對時，RX 狀態燈將快速閃爍藍燈。



- 相機版 RX 開啟後，按住配對按鈕 3 秒即可開始配對。



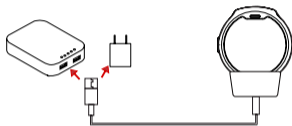
* TX 和 RX 在出廠時已預先配對。

自動充電

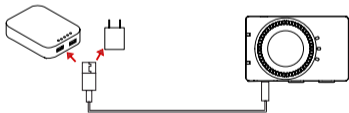
當 TX 上的狀態指示燈變為緩慢閃爍紅燈時，或當 RX 上的兩個狀態指示燈變為快速閃爍紅色時，將其放入充電盒中，其將自動開始充電。恆亮橙燈表示充電中。恆亮綠燈表示充電完成。

手動充電

當 TX 上的狀態指示燈變成緩慢閃爍紅燈時，您可以使用磁性充電器為 TX 充電。恆亮橙燈表示充電中。恆亮綠燈表示充電完成，且綠將在 30 分鐘後熄滅。

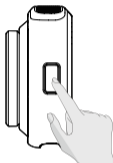


當相機版 RX 上的兩個狀態指示燈都變成快速閃爍紅燈時，您可以使用充電線為 RX 充電。恆亮橙燈表示充電中。恆亮綠燈表示充電完成，且綠將在 30 分鐘後熄滅。



錄影控制

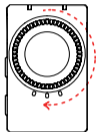
使用手機拍攝時，按兩下 TX 上的按鈕即可開始或停止錄影。



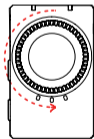
* 此功能僅當您手機的相機應用程式支援透過按音量鍵控制錄影功能時才起作用。

音量調整（僅限相機版 RX）

出廠預設音量設定為中度等級，有三種等級可用：高、中和低。



順時針轉動音量旋鈕即可調高音量。
逆時針旋轉音量旋鈕即可降低音量。

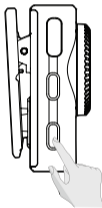


模式切換（僅限相機版 RX）

已連線至手機：綠燈保持亮起。僅支援單聲道模式。

已連線至相機：藍燈保持亮起，表示立體聲模式；
綠燈保持亮起，表示單聲道模式。

若要切換模式，只需按下 RX 上的模式切換按鈕即可。



註記：

1. 行動版本僅支援單聲道模式。
2. 錄製期間僅將一個 RX 與 TX 配對，以確保 Lark M2 Combo 版正常運作。

韌體升級

行動版：透過 Lark Sound 應用程式更新。

相機版：透過 Lark Sound 應用程式或 Hollyland 官網更新。

Lark Sound

Lark Sound 應用程式可在 Xiaomi、Huawei 和 Apple 應用商店下載。您也可以掃描下方 QR 碼下載應用程式。



Lark Sound

Lark Sound 應用程式與 Hollyland 無線麥克風完美搭配。憑藉應用程式，您將有權存取一系列智慧功能，例如參數配置和韌體更新，這些功能一起無縫運作以增強麥克風效能。



需要 iOS 12.0 或更高版本



需要 Android 8.0 或更高版本



規格

麥克風靈敏度	-37 dBV ± 2dB @ 1 KHz , 94dBSPL
無線調變模式	GFSK 2 Mbps
無線傳輸	2.4 GHz 適應性跳頻 (AFH)
傳輸範圍	行動版：LOS 長達 1000ft (300m)/NLOS 長達 200ft (60m) 相機版：LOS 長達 1000ft (300m)/NLOS 長達 130ft (40m)
麥克風指向	全向型
頻率響應	20 Hz–20 kHz
訊噪比	> 70dB
聲壓等級	115dBSPL
位元深度	24 位元
取樣率	48 kHz
電池電壓	TX：3.87V 相機版 RX：3.87V 行動版充電盒：3.8V 相機版充電盒：3.8V
電池容量	TX：97 mAh 相機版 RX：145 mAh 行動版充電盒：750 mAh 相機版充電盒：1950 mAh

規格

運作時間	TX：約 10 小時 相機版 RX：約 9 小時 行動版充電盒：> 同時為 2 個 TX 充電 2 次 相機版充電盒：> 同時為所有 TX 和 RX 充電 3 次
充電時間	TX：約 1.5 小時 相機版 RX：約 1.5 小時 行動版充電盒：< 1.5 小時 相機版充電盒：< 2 小時
充電溫度	0° C 至 45° C
操作溫度	-10° C 至 45° C
尺寸	TX：直徑大約 26mm x 9.9mm (1.0" x 0.4") 行動版 RX：約 40mm x 16.5mm x 9mm (1.6" x 0.6" x 0.4") 相機版 RX：約 40mm x 25.7mm x 20.5mm (1.6" x 1.0" x 0.8") 行動版充電盒：約 75.8mm x 49.8mm x 35mm (3.0" x 2.0" x 1.4") 相機版充電盒：約 86mm x 54mm x 39mm (3.4" x 2.1" x 1.5")
重量	TX：約 9g (0.3oz) 行動版 RX：約 6g (0.2oz) 相機版 RX：約 14.8g (0.5oz) 行動版充電盒：約 65.6g (2.3oz) 相機版充電盒：約 111g (3.9oz)

* 以上提供的資料是以實驗室測試結果為基礎。

如果您在使用產品時遇到任何問題，或需要任何幫助，請透過以下方式聯絡 Hollyland 支援團隊：

 Hollyland User Group

 HollylandTech

 HollylandTech

 HollylandTech

 support@hollyland.com

 www.hollyland.com

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