



# LARK M2

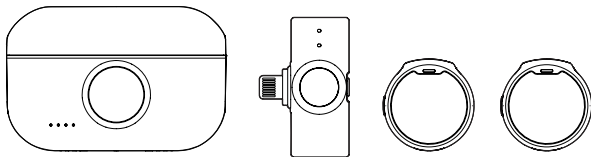
## User Manual

V1.0

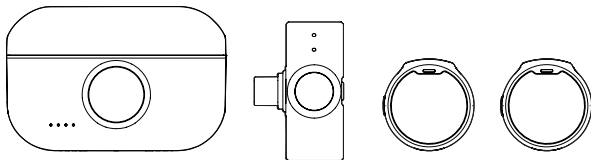


## Version Overview

### LARK M2 Duo (Lightning)

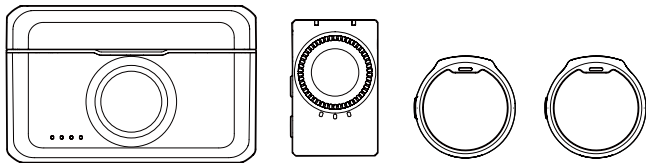


### LARK M2 Duo (USB-C)



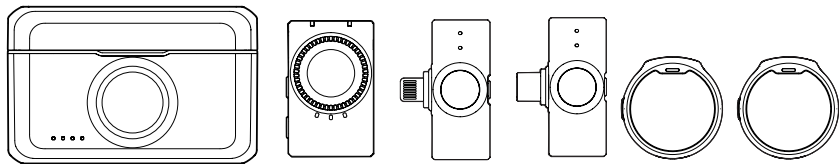
# Version Overview

## LARK M2 Duo (Camera)



## Version Overview

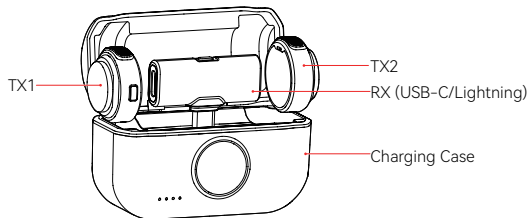
### LARK M2 Combo



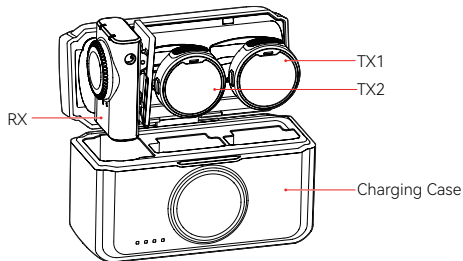
\* The quantity of the items depends on the product configuration.

# Product Overview

## Mobile Version

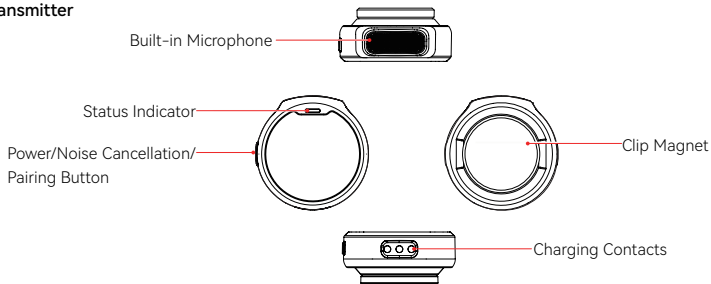


## Camera Version

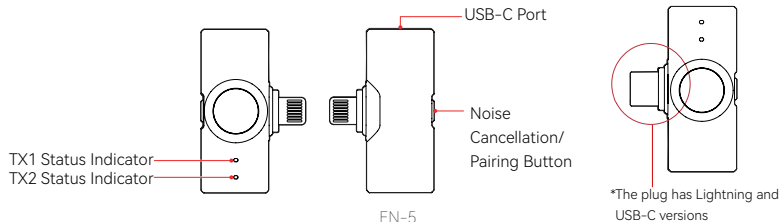


# Product Overview

## TX: Transmitter

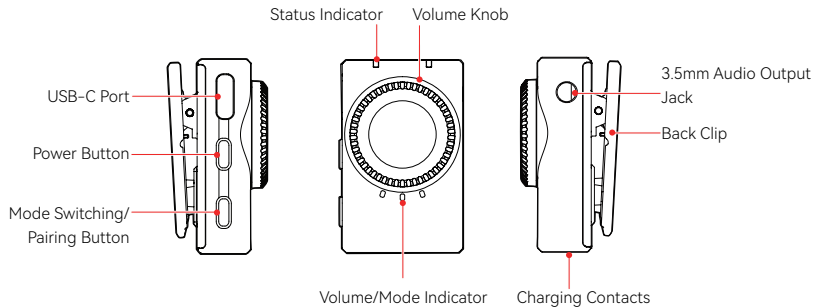


## Mobile Version RX: Receiver (Lightning/USB-C)



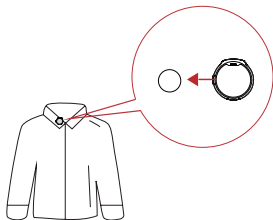
# Product Overview

## Camera Version RX: Receiver

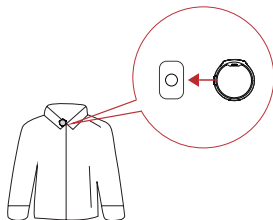


## Product Usage (Mobile Version)

- 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.

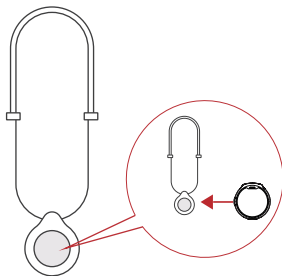


- a. Place the clip magnet on the back of the collar, and secure TX on the front of the collar with the magnet.



- 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)

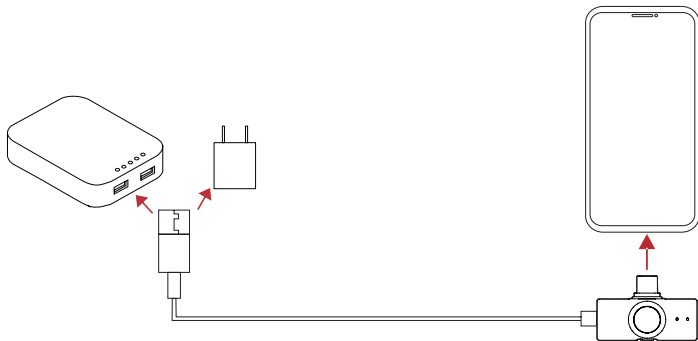
- ① Plug RX (Lightning) into phone



- ② Plug RX (USB-C) into phone

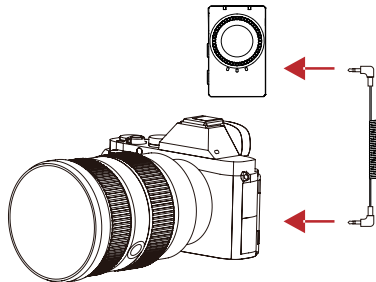
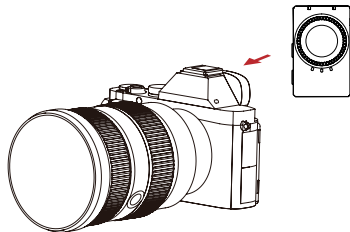


- ③ Charge your phone through the RX for simultaneous charging and usage



### 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 |
| Blue status indicator light steady   | TX and RX connected     |

## Indicator Description

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| 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                             |

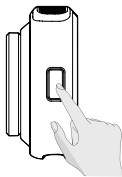
## Automatic On/Off

Take the TX and RX out from the charging case to turn on automatically.

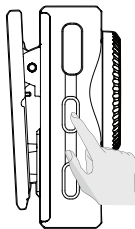
Place the TX and RX back in the charging case to turn off automatically.

## Manual On/Off

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



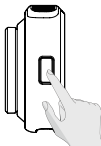
Press and hold the TX power button for 3 seconds



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.

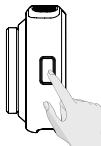


2. Press the noise-cancellation button on the mobile version RX to turn the function on or off. When noise cancellation is on, the status indicator on the RX turns green.



## Manual Pairing

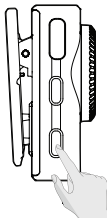
1. With the TX off, press and hold the TX pairing button for 6 seconds to start pairing. The TX status light will quickly flash blue when in pairing.



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.



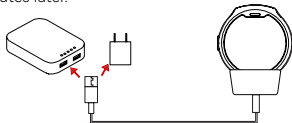
\* The TX and the RX are pre-paired at the factory.

## Automatic Charging

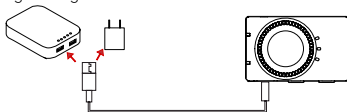
When the status indicator on TX turns into slow flashing red, or when both status indicators on RX turn into fast flashing red, place them in the charging case and they will start charging automatically. Solid orange indicates charging in progress. Solid Green indicates charging completed.

## 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.

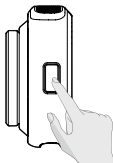


When both status indicators on the camera version RX turn into fast flashing red, you can charge the RX using the charging cable. Solid orange indicates charging in progress. Solid Green indicates charging completed and the light will go off 30 minutes later.



## Video Recording Control

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



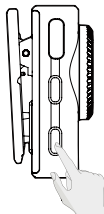
\* This function only works when the camera app of your phone supports the function of controlling video recording by pressing the volume key.

## 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.

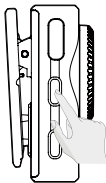
To switch mode, simply press the mode switching button on the RX.



## Volume Lock (Camera Version RX Only)

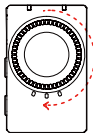
To lock the current volume level on the Camera Version RX, simply double-click the power button.

If you need to adjust the volume again, double-click the power button once more to release the volume lock.

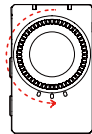


## Volume Adjustment (Camera Version RX Only)

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.

### 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<br>Camera Version RX: About 9 hours<br>Mobile Version Charging Case: > 2 times charging for 2 TX at the same time<br>Camera Version Charging Case: > 3 times charging for all TX and RX at the same time                                                                                                                                    |
| Charging Time         | TX: About 1.5 hours<br>Camera Version RX: About 1.5 hours<br>Mobile Version Charging Case: < 1.5 hours<br>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")<br>Mobile Version RX: Approx. 40mm x 16.5mm x 9mm (1.6" x 0.6" x 0.4")<br>Camera Version RX: Approx. 40mm x 25.7mm x 20.5mm (1.6" x 1.0" x 0.8")<br>Mobile Version Charging Case: Approx. 75.8mm x 49.8mm x 35mm (3.0" x 2.0" x 1.4")<br>Camera Version Charging Case: Approx. 86mm x 54mm x 39mm (3.4" x 2.1" x 1.5") |
| Weight                | TX: Approx. 9g (0.3oz)<br>Mobile Version RX: Approx. 6g (0.2oz)<br>Camera Version RX: Approx. 14.8g (0.5oz)<br>Mobile Version Charging Case: Approx. 65.6g (2.3oz)<br>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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