



LARK M2S

User Manual

V1.0.0

Version Overview

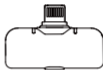
LARK M2S Ultimate Combo



Charging Case



Mobile Version
Receiver (USB-C)



Mobile Version
Receiver (Lightning)



Camera Version
Receiver



Transmitter

Version Overview

LARK M2S Combo



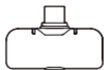
Charging Case



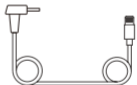
Transmitter



Camera Version
Receiver



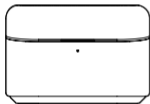
Mobile Version
Receiver (USB-C)



USB-C to Lightning
Cable

Version Overview

LARK M2S Mini Combo



Charging Case



Camera Version
Receiver



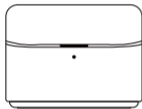
Mobile Version
Receiver (USB-C)



Transmitter

Version Overview

LARK M2S with USB-C Plug



Charging Case



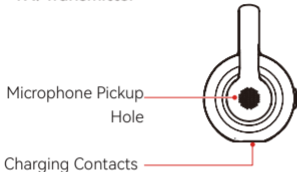
Mobile Version
Receiver (USB-C)



Transmitter

Product Overview

TX: Transmitter



Microphone Pickup
Hole

Charging Contacts



Power/Noise
Cancellation/
Pairing Button

Microphone Pickup Hole
For sound pickup.

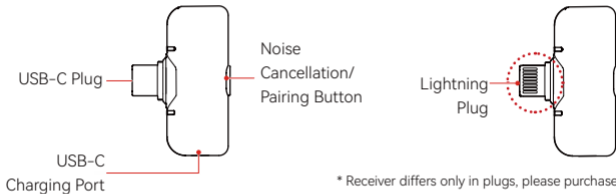
Charging Contacts
Insert TX for charging with contacts.

Power/Noise Cancellation/Pairing Button

Long press for 3s to power on/off.
Single press to toggle noise
cancellation. While TX is off, long press
for 6s to enter pairing mode after
powering on.

Product Overview

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



* Receiver differs only in plugs, please purchase according to your specific needs.

USB-C/Lightning Plug

Connect the receiver to your phone.

USB-C Charging Port

You can charge your phone through this charging port of the receiver.

Noise Cancellation/Pairing Button

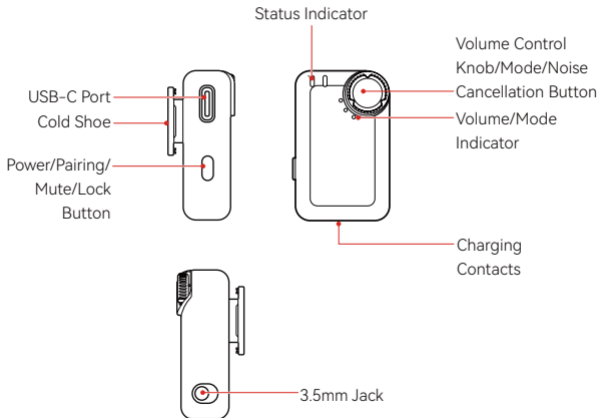
Single press to toggle noise cancellation on/off. Long press for 3 seconds to enter pairing mode.

Mode Switching

For the mobile version RX, please use the app to switch modes for TX.

Product Overview

Camera Version RX: Receiver



Product Overview

USB-C Port

Connect to computers and other devices via the USB-C port for data transfer and RX charging. Connect the RX to your phone via the USB-C port; however, Safety Track mode is not supported.

Cold Shoe

Mount to camera cold shoe/hot shoe.

Power/Pairing/Mute/Lock Button

Single press to lock/unlock the camera RX; press twice to toggle MUTE on/off; long press for 3 seconds to power on/off; long press for 6 seconds to enter pairing mode under powered-off state.

TX Status Indicator

Indicates TX pairing and noise cancellation status.

Volume Control Knob/Mode/Noise Cancellation Button

Use the knob to adjust volume gain with three levels: high, medium, and low. Single press the knob to toggle noise cancellation on or off, and long press the knob for 3 seconds to switch modes.

Volume/Mode Indicator

Indicates the RX volume gain, with the factory default volume set to medium level.

3.5mm Jack

Connect the RX to the camera using a 3.5mm TRS to TRS cable.

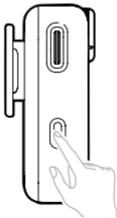
Product Overview

Volume Lock - Camera Version RX Only

Single-click the RX power button to lock the volume and single-click again to unlock. While locked, volume adjustment is not available, but noise cancellation on/off and mode switching are available.

Mute Function - Camera Version RX Only

Double-click the camera version RX power button to mute all connected TX and double-click again to unmute.



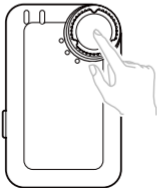
Product Overview

Noise Cancellation (Camera Version RX Only)

Press the RX volume knob to switch the TX noise cancellation on/off.

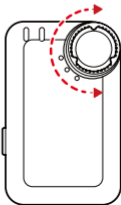
Mode Switching (Camera Version RX Only)

Long press the volume knob for 3 seconds to switch the channel mode. The blue light stays on, indicating stereo mode; the green light stays on, indicating mono mode.



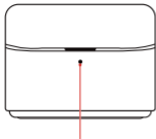
Volume Adjustment (Camera Version RX Only)

Turn the volume knob clockwise to increase the volume and counterclockwise to decrease it. The factory default volume is set at medium level, with three levels available: high, medium, and low.

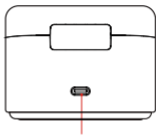


Product Overview

Mobile Version Charging Case

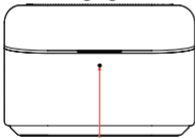


Charging Case Indicator Light

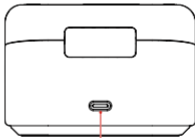


USB-C Port

Combo Version Charging Case



Charging Case Indicator Light



USB-C Port

Automatic On/Off

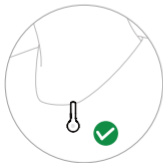
Take the TX and RX out from the charging case to turn on automatically.
Place the TX and RX back in the charging case to turn off automatically.

Product Installation and Usage

Transmitter Wearing



Make sure the microphone pickup hole is facing outward when wearing.



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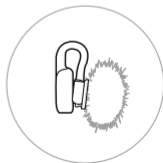
Furry Windshield Installation



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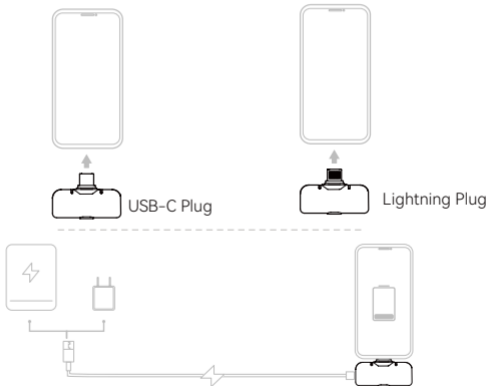
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Product Installation and Usage

Transmitter + Mobile Version Receiver + Phone

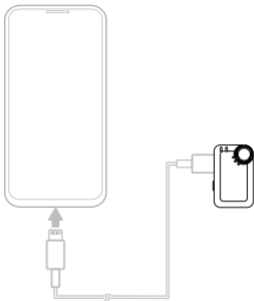
Connect the receiver to your phone



When the phone is low on battery, you can charge it via the receiver.

Product Installation and Usage

Transmitter + Camera Version Receiver + Phone (Lightning)

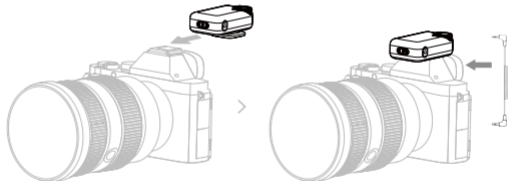


Connect the receiver to iPhone 14 series and earlier mobile devices using a USB-C to Lightning cable.
(Please purchase the USB-C to Lightning cable separately if necessary.)

Product Installation and Usage

Transmitter + Camera Version Receiver + Camera

1. Mount the receiver onto the camera's hot shoe/cold shoe interface via the cold shoe.
2. Connect the receiver to the camera using a 3.5mm TRS to TRS cable.
3. Set the camera's recording volume to the minimum and the receiver's output volume to the medium level to ensure the best recording effect.



Indicator Description

TX Indicator Lights

Usage Status

Blue light flashing slowly: TX and RX not connected

Blue light flashing quickly: Pairing mode

Blue light steady: TX and RX connected

Green light steady: Noise cancellation ON

Red light steady: Mute

Pink light steady: TX upgrading



Battery Status

Red light flashing slowly: TX low battery

Orange light steady: TX charging

Green light steady: TX fully charged

Indicator Description

Mobile Version RX Indicator Lights

Usage Status

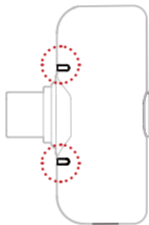
Blue light flashing slowly: TX and RX not connected

Blue light flashing quickly: Pairing mode

Blue light steady: TX and RX connected

Green light steady: Noise cancellation ON

Pink light steady: RX upgrading



Battery Status

Red light flashing slowly: TX low battery

Indicator Description

Camera Version RX Indicator Lights

Usage Status

Blue light flashing slowly: TX and RX not connected

Blue light flashing quickly: Pairing mode

Blue light steady: TX and RX connected

Green light steady: Noise cancellation ON

Pink light steady: RX upgrading

Volume/Mode Indicator Lights

Usage Status

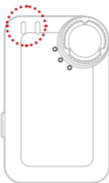
Blue light steady: Stereo mode

Green light steady: Mono mode

One light steady: Low volume

Two lights steady: Medium volume

Three lights steady: High volume



Battery Status

Red light flashing slowly: TX low battery

Red light flashing quickly: RX low battery

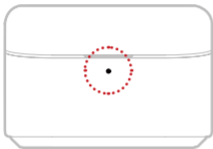
Orange light steady: RX charging

Green light steady: RX fully charged

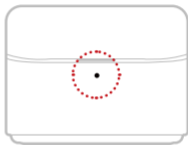


Indicator Description

Charging Case Indicator Lights



Combo Version



Mobile Version

Usage Status

Red light steady: $3\% \leq$ Charging case battery $\leq 6\%$

White light steady: $6\% <$ Charging case battery $\leq 98\%$

Green light steady: Charging case battery $> 98\%$

Pink light steady: Charging case upgrading

Charging Status

Red light flashing slowly: Charging case battery $< 3\%$

Orange light flashing slowly: Charging case charging

Green light steady: Charging case fully charged

Charging Method

Automatic Charging

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

Firmware Upgrade

Mobile Version: Update via the LarkSound app.

Camera Version: Update via the LarkSound app or downloading the latest firmware version from Hollyland official website.

App Information

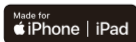
LarkSound

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



LarkSound

The LarkSound 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, which work together seamlessly to enhance your microphone performance.



Requires iOS 12.0 or above



Requires Android 8.0 or above



APP

Specifications

Mic Sensitivity	-37 dBV \pm 2dBV @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	20Hz~20 kHz
Signal-to-Noise Ratio	>70dB
Max Sound Pressure Level	116dB SPL
Sample Rate and Bit Depth	48 kHz 24 Bit
Battery Voltage	TX: 3.87V Camera Version RX: 3.87V Mobile Version Charging Case: 3.8V Combo Version Charging Case: 3.8V
Battery Capacity	TX: 85 mAh Camera Version RX: 145 mAh Mobile Version Charging Case: 680 mAh Combo Version Charging Case: 1300 mAh

Specifications

Operating Time	TX: Approx. 9 hours
	Camera Version RX: Approx. 8.5 hours
Charging Cycle	Mobile Version Charging Case: > 2 times charging for 2 TX at the same time
	Combo Version Charging Case: > 2.5 times charging for all TX and RX at the same time
Charging Time	TX: Approx. 1 hour
	Camera Version RX: Approx. 1 hour
	Mobile Version Charging Case: < 1.5 hours
	Combo Version Charging Case: < 1.5 hours
Charging Temperature	0~45°C
Operating Temperature	-10~45°C

Specifications

Dimensions	TX: (Main Body - Front) $\phi 13 \times 6.3\text{mm}$ (0.5" \times 0.2") (Main Body - Rear) $\phi 24 \times 9\text{mm}$ (0.9" \times 0.4")
	Mobile Version RX: Approx. $40 \times 16.7 \times 9\text{mm}$ (1.6" \times 0.7" \times 0.4")
	Camera Version RX: Approx. $40.5 \times 25.5 \times 13\text{mm}$ (1.6" \times 1.0" \times 0.5") (excluding cold shoe)
	Mobile Version Charging Case: Approx. $55.2 \times 75 \times 36.5\text{mm}$ (2.2" \times 3.0" \times 1.4")
	Combo Version Charging Case: Approx. $86 \times 39 \times 60.5\text{mm}$ (3.4" \times 1.5" \times 2.4")
Weight	TX: Approx. 7g (0.25oz)
	Mobile Version RX: Approx. 6g (0.21oz)
	Camera Version RX: Approx. 12g (0.42oz)
	Mobile Version Charging Case: Approx. 80g (2.82oz)
	Combo Version Charging Case: Approx. 110g (3.88oz)

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

Battery Safety Instructions

- Do not replace the battery by yourself. Using the wrong type of battery may result in an explosion.
- Keep the battery out of reach of children to avoid them biting or swallowing the battery. If swallowed, seek medical attention immediately.
- Dispose of used batteries safely and properly. Do not throw them into fire or water.
- Leaking electrolyte can cause skin discomfort. If electrolyte comes into contact with your eyes, rinse them with water immediately without rubbing, and seek medical attention.
- If you charge for a very long period beyond the normal time, please stop charging as abnormal charging may cause the battery to overheat, smoke, deform, or even catch fire.
- Do not use metal tools to puncture, hammer, or otherwise damage the battery, as it may cause the battery to overheat, smoke, deform, or catch fire.
- If the battery has high temperature, leakage, abnormal odor, deformation, or other abnormal phenomena during use or storage, please stop using the battery immediately and move away from it.

Battery Safety Instructions

Charging Case (Mobile Version)

Model No.	M32C1
Rated Energy	2.58Wh
Input	DC 5V 2A
Output	DC 5V 0.15A*2

Charging Case (Combo Version)

Model No.	M32C2
Rated Energy	4.94Wh
Input	DC 5V 2A
Output	DC 5V 0.25A*3

TX Battery

Type	Rechargeable lithium-ion battery
Rated Energy	85 mAh

Camera Version RX Battery

Type	Rechargeable lithium-ion battery
Rated Energy	145 mAh

Battery Safety Instructions

Charging Case (Mobile Version) Battery

Type	Rechargeable lithium-ion battery
Rated Energy	680 mAh

Charging Case (Combo Version) Battery

Type	Rechargeable lithium-ion battery
Rated Energy	1300 mAh

1. Throwing the battery pack into a fire or heating furnace, or treating the battery pack by mechanical crushing or cutting may cause an explosion.
2. Placing the battery pack in an extremely high temperature environment may result in an explosion or leakage of flammable liquids or gases.
3. Subjecting the battery to extremely low air pressure may result in an explosion or leakage of flammable liquids or gases.

Support

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



support@hollyland.com



HollylandTech



www.hollyland.com

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HOLLYVIEW

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