MOVO



WMX-1

Dual-Channel Digital Wireless Microphone

Instruction Manual

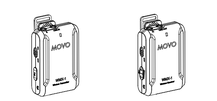
Thank you for purchasing the Movo WMX-1!

Designed for videographers and video hobbyists, the WMX-1 is a new generation 2.4 GHz, dual-channel wireless microphone for capturing audio with two subjects to your smartphones, tablets, DSLR cameras, consumer camcorders, PCs etc.

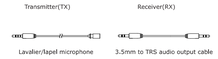
Features:

- Dual-Channel Wireless Receiver
- Digital 2.4 GHz Frequency Band
- Super-clear recording sound
- Compatible with smartphones, DSLR cameras, consumer camcorders, PCs etc.
- Lightweight and compact for easy carrying
- Omnidirectional lavalier microphone
- Hard case included
- Standard camera shoe mount and clip included
- Up to 60m (197ft) operation range (without obstacle)
- Power supplied by two AAA batteries for transmitter and receiver.

The WMX-1 K1 consists of one body-pack transmitter(TX), a portable receiver (RX), and the following accessories:



Transmitter(TX) Receiver(RX)



Lavalier/lapel microphone 3.5mm to TRS audio output cable



3.5mm to TRRS audio output cable Shoe mount adapter

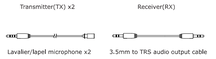


Wind screen Microphone Holder clip

The WMX-1 DUO consists of two body-pack transmitters(TX), a portable receiver (RX), and the following accessories:



Transmitter(TX) x2 Receiver(RX)



Lavalier/lapel microphone x2 3.5mm to TRS audio output cable



3.5mm to TRRS audio output cable Shoe mount adapter



Wind screen (x2) Microphone Holder clip (x2)

Transmitter (TX)



1. Microphone input
- Connect the supplied lavalier microphone here.
- Fully insert the microphone's 3.5mm plug and make sure it clicks into place.

2. Line In

3. Power LED
1) The power LED flashes blue when the unit is on.
2) The power LED glows red when power is low.

For more details about the LED indicator, please refer to the following:

Status	Receiver	Transmitter
The transmitter and the receiver connect.	Stays blue	Flashes continually every 2.5 seconds.
The transmitter and the receiver disconnect.	Flashes continually every 1 second.	Flashes continually every 1 second.
Receiver unit is turned OFF(Transmitter is still ON)	Off	Flashes in blue
Transmitter unit is turned OFF(Receiver is still ON).	Flashes in blue	Off
Low power	Flashes in red	

4. Power OFF/ON

5. Pair
This button is for connecting a signal.
For details, please see "How to connect transmitter and receiver" on page 11.

6. Antenna

⚠

Please don't touch here during use as it will affect the signal.

7. Battery compartment
Accommodates two AAA batteries.
For more details, please see "Installing batteries" on page 9.

8. Clip
For more details, please see "Installing or uninstalling clip" on page 13.

Receiver (RX)



1. Earphone Jack
(3.5mm diameter stereo mini jack)
To monitor the receiver output, connect the headphones to this connector.

⚠

NOTE:
Do not connect headphones with a monaural mini jack. This may lead to short-circuiting of the headphone output, resulting in distorted sound output.

2. LINE OUT (audio output) Jack
- For use with a smartphone, tablet or Mac. Connect one end (90° plug) of the supplied TRRS stereo 3.5mm mini output cable here, and the other end (straight plug) to smartphone.

- For cameras, camcorders, audio recorders and other audio/video recording devices. Connect one end of the supplied TRS stereo 3.5mm mini output cable here, and the other end to camera.

3. Power LED
For more details, please see "Power LED" on page 5.

4. Power OFF/ON

5. Volume +/-
Press these buttons to set the attenuation level of the input signal.

6. Antenna

⚠

Please don't touch here during use as it will affect the signal.

7. Battery compartment
Accommodates two AAA batteries.
For more details, please see "Installing batteries" on page 9.

8. Clip
For more details, please see "Installing or uninstalling clip" on page 13.

9.Shoe mount adapter

What's the difference?

① 3.5 mm TRRS connector
- For Smartphone, tablet, Mac or laptop with combo headphone/Mic jack



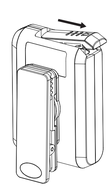
② 3.5 mm TRS connector
- For cameras, camcorders, audio recorders and other audio/video recording devices.



How to use it

Insert batteries in the transmitter and receiver units

1. Both the transmitter and receiver require two AAA batteries.
2. Slide and remove the transmitter's battery compartment cover.
3. Insert two batteries.
4. Close the battery compartment cover.
5. Repeat steps 2 to 4 to insert battery into receiver.



Connecting the transmitter and receiver

Using the microphone with a smartphone, tablet, Mac or laptop with combo headphone/Mic jack.

Receiver

1. Mount receiver to Smartphone, tablet, Mac or laptop.
2. Using TRRS cable, plug the 3.5 mm connector(straight plug) into the audio jack of your smartphone.
3. Insert the 90° plug of the connecting cable into the receiver "LINE OUT" jack.
4. Insert earphone into receiver " 🎧 " to monitor sound.
5. Slide the power ON/OFF switch to the ON position (the LED indicator light will turn blue)

Caution: Please do not mix up the different plugs.
For details, please refer to" What's the difference" on page 8.



⚠

NOTE:
Not all Android devices support external microphones when taking video, and you may need to download a third-party app to set up an external microphone.

Connecting the Transmitters and the Receiver

The transmitters and receivers will already be connected.

If transmitters and receiver disconnect, please follow these steps:

1. Turn on the receiver and the transmitters.
2. Simultaneously hold the "+" and "-" buttons on the receiver and the "pair" button on the transmitter for 3 seconds.
3. When the transmitter and receiver connect, the receiver light will stay blue, and the transmitter light will flash every 2.5 seconds.
4. Repeat step 2 for the second transmitter.

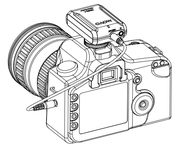
If the pairing is unsuccessfull, the lights on both the receiver and transmitters will flash continually every 1 second. Retry steps 1-4 to connect.

Using the microphone with cameras, camcorders, audio recorders and other audio/video recording devices.

Receiver

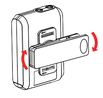
1. Mount receiver to cameras, camcorders, audio recorders and other audio/video recording devices.
2. Using TRS cable, plug the 3.5 mm connector into the audio jack of your camera.
3. Insert the other end of the connecting cable into the receiver "LINE OUT" jack.
4. Insert earphone into receiver " 🎧 " to monitor sound as needed.
5. Slide the power ON/OFF switch to ON position (the LED indicator will light in blue)

Caution: Please do not mix up audio cables. For details, please refer to" What's the difference" on page 8.



Installing microphone

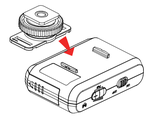
1. The clip comes mounted onto the microphone
2. Both the transmitter and receiver include a clip, meaning you can mount them in any place you want.
3. Adjust the direction of the microphone to your mouth by rotating the microphone.



If the receiver needs to be mounted onto a camera hot/cold shoe, please follow these steps:

1. Push the clip to the right side.





2. Push the cold shoe mount on the position.
3. Mount the receiver onto camera hot/cold shoe

Specifications:

RF Modulation:	GFSK (Gauss frequency Shift Keying)
Frequency band:	2.4GHz (2405~2478MHz)
Frequency response:	35Hz-14KHz±3dB
Signal/Noise:	84dB or more
Distortion:	0.05% or less (320,1 KHz,65mW output)
RF output level:	3mW
Earphone output level:	320,65mW
Reception sensitivity:	-90dB +/- 3dB / 0dB=1V/Pa, 1kHz
Audio input connector:	3.5mm mini jack
Operation range:	60m (197ft) (without obstacle)
Power requirements:	3V DC (Two AAA size batteries)
Consumption power:	Transmitter: 3V/70mA
	Receiver: 3V/70mA
Dimensions:	Receiver: 45x70x35mm (1.8*2.8*1.4 inches)
	Transmitter: 45x70x35mm (1.8*2.8*1.4 inches)
Weight:	Receiver: 47g (1.7 oz)
	Transmitter: 47g (1.7 oz)

CAUTION

1. We recommend using the included cables instead of any third party cables for best results.
2. The figure given is only the approximate value that applies when there are no obstructions between the transmitter and receiver. This distance will vary depending on metal objects, people, or any other obstructions, and on the signal strength.
3. Battery life may vary depending on the type of battery used.

IMPORTANT

- If you do not intend to use the wireless microphone for an extended period of time, remove the batteries from both the transmitter and receiver.
- Do not touch the lavalier/lapel microphone, transmitter and receiver while recording, as this will cause noise to be recorded.
- Do not let the transmitter get close to high-voltage equipment or to devices that emit strong electromagnetic fields, as it may cause the noise to be recorded.
- Do not use or leave the transmitter and receiver in hot, humid places.
- Do not leave the receiver attached to the camera when storing the camera in a case.
- Do not mix up the transmitter and receiver.

WARNING

- Keep the wireless microphone out of the reach of children.
- Never use leaking batteries and never expose batteries to excessive heat or fire.

MAINTENANCE

- Do not operate the device with wet hands.
- Clean the equipment only in the way described in the instructions for use.
- Make sure that the device is properly fastened and reliably mounted.
- Should the equipment be damaged or defective, or if you notice a burning smell:
 Remove the batteries immediately. Do not operate the device with a damaged housing, do not repair the device yourself. Have the device only repaired by a skilled electrician.
- Always keep your device in good condition, as specified in these instructions for use.
- Do not open the device.

WARNING

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Warning:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

HAPPY? LET US KNOW!

We love to hear from customers!
Share your experience with others by reviewing your product on Amazon. Scan the QR code below or visit:
www.movophotography.com/product-launch

Act Now!
This product includes a 1 year limited warranty. If you register the product within 30 days of purchase, you'll receive an additional 1 year warranty, exclusive for a total of two years of protection.
To register your product and for full details on the warranty, visit: https://movophotography.com/warranty or scan QR code

NOT HAPPY? LET US HELP!

Have any questions or concerns?
Our friendly and responsive customer service exists to make sure you have the best experience possible!

Call us at 1-800-254-7738 (US)
Monday-Friday: 9 am - 4 pm (PST)
Email us at: support@movophoto.com
Live chat us at: www.movophoto..com

Facebook & Youtube: /movophotogroup
Twitter &Instagram: @movophoto

Movo Photo Group
www.movophoto.com
support@movophoto.com