

FULAIM MX11

FULAIM Wireless Lavalier Microphone System MX11 User Manual

Model: MX11

1. PRODUCT OVERVIEW

The FULAIM MX11 is a professional-grade UHF wireless lavalier microphone system designed for high-quality audio recording with smartphones, DSLR cameras, and other compatible devices. It features a compact and portable design, real-time audio monitoring, and anti-interference capabilities, making it ideal for interviews, vlogging, video recording, and live broadcasts.



Figure 1.1: FULAIM MX11 Wireless Lavalier Microphone System components, including the receiver mounted on a smartphone tripod and the separate transmitter with a lavalier microphone.

The system includes a receiver unit (RX) and a transmitter unit (TX), both equipped with essential controls and ports for seamless operation. The omnidirectional lavalier microphone captures clear audio, and the system's UHF technology ensures stable signal transmission over a significant range.

2. WHAT'S IN THE BOX

Upon opening the package, ensure all the following components are present:

- 1 x FULAIM MX11 Receiver (RX)
- 1 x FULAIM MX11 Transmitter (TX)
- 1 x Omnidirectional Lavalier Microphone with clip and foam pop shield
- 1 x Mini Tripod
- 1 x Phone Holder (integrated with receiver mount)
- 1 x 3.5mm TRS-TRRS Audio Cable (for smartphones)
- 1 x 3.5mm TRS-TRS Audio Cable (for cameras)
- 2 x Micro USB Charging Cables

- 1 x Customized Storage Case
- 1 x User Manual (this document)



Figure 2.1: All components included in the FULAIM MX11 Wireless Lavalier Microphone System package.

3. SETUP GUIDE

Follow these steps to set up your FULAIM MX11 Wireless Lavalier Microphone System:

3.1 Charging the Devices

Both the receiver and transmitter units are powered by built-in Lithium-Ion batteries. Before first use, fully charge both units using the provided Micro USB cables and a standard 5V USB power adapter (not included).



Figure 3.1: Charging the FULAIM MX11 units via Micro USB ports.

A full charge typically takes 3-5 hours and provides 7-10 hours of runtime.

3.2 Assembling the Receiver with Phone/Camera

1. **Install Phone/Camera:** Secure your smartphone or DSLR camera into the phone holder/cold shoe mount on the receiver unit. Ensure it is firmly seated.
2. **Attach Tripod (Optional):** Screw the mini tripod onto the 1/4" threaded hole at the bottom of the receiver unit for stable placement.
3. **Connect Audio Cable:**
 - For Smartphones: Use the 3.5mm TRS-TRRS audio cable. Plug the TRS end into the receiver's "OUT" jack and the TRRS end into your smartphone's 3.5mm audio jack. *Note: For iPhone 7 or above, you may need an original Lightning to 3.5mm jack adapter (not included).*
 - For DSLR Cameras: Use the 3.5mm TRS-TRS audio cable. Plug one end into the receiver's "OUT" jack and the other end into your camera's microphone input jack.
4. **Connect Lavalier Microphone to Transmitter:** Plug the lavalier microphone's 3.5mm jack into the "MIC"

input socket on the transmitter unit. Ensure the connection is secure.

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Video 3.2: Step-by-step guide on assembling the FULAIM MX11 system with a smartphone and connecting the lavalier microphone to the transmitter. This video demonstrates the physical setup of the receiver with a phone and tripod, and the connection of the lavalier microphone to the transmitter.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **To Power On:** Press and hold the Power/CH Setting Button on both the receiver and transmitter until the LCD display lights up.
- **To Power Off:** Press and hold the Power/CH Setting Button on both units until the LCD display turns off.

The blue working indicator light on the receiver will illuminate when it successfully pairs with the transmitter.

4.2 Pairing and Channel Selection

The FULAIM MX11 system typically pairs automatically upon powering on. If pairing does not occur or if you experience interference, you can manually change the channel:

- Press the CH Setting Button on the transmitter to cycle through the available UHF channels. The receiver will automatically synchronize with the transmitter's selected channel.
- The system offers 20 selectable UHF channels (Frequency Range: 570-579.5MHz and 580-589.5MHz) to minimize interference.



Anti-interference

UHF technology, The Process of Using Equipment is Not Only Stable But Also Has Stronger Anti-Interference Ability.



Figure 4.1: The FULAIM MX11 utilizes UHF technology for stable and anti-interference performance.

4.3 Adjusting Volume

Use the Volume "+" and "-" buttons on the receiver to adjust the audio output level to your recording device. Monitor the audio through headphones for optimal sound levels.

4.4 Real-time Audio Monitoring

The receiver unit features a 3.5mm real-time monitor headset jack. Plug in your headphones to monitor the audio being captured by the lavalier microphone in real-time. This allows you to detect any abnormalities in the audio signal and adjust settings as needed.



Real-time Monitor

Real-time audio monitoring function, synchronous detection of PUT work is abnormal when recording, It is possible to manually switch the volume reception, and at the same time noise reduction to effectively avoid noise recording.



Figure 4.2: Real-time audio monitoring feature for precise sound control during recording.

4.5 Wearing the Microphone and Transmitter

- Attach the lavalier microphone to your clothing, typically near the collar or lapel, using the integrated clip.
- The transmitter unit can be clipped to a belt, pocket, or waistband using its sturdy metal clip. Ensure the antenna is not obstructed for optimal signal transmission.

The foam pop shield on the lavalier microphone helps to soften vocal plosives and reduce wind noise, ensuring clearer audio recordings.

SUPER COMPATIBILITY

Compatible with ios and Android Smartphones, DSLR Camera, Camcorders, PC, tablets.



Figure 4.3: Proper placement of the lavalier microphone and transmitter for optimal audio capture.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the receiver and transmitter units. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the system in its customized storage case to protect it from dust, moisture, and physical damage.
- **Battery Care:** To prolong battery life, avoid fully discharging the units frequently. Recharge them regularly, especially if storing for extended periods.
- **Cable Management:** Handle all cables with care. Avoid sharp bends or excessive pulling to prevent internal wire damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No audio output	Units not powered on. Units not paired. Incorrect audio cable connection. Low battery. Microphone not plugged in or faulty.	Ensure both RX and TX are powered on. Check blue indicator light on RX; if not lit, press CH Setting button on TX to re-pair. Verify correct audio cable (TRS-TRRS for phone, TRS-TRS for camera) is used and securely connected. Charge both units fully. Ensure lavalier mic is securely plugged into TX.
Poor audio quality / Interference	Environmental interference. Distance too far. Lavalier mic placement.	Change to a different channel using the CH Setting button on the transmitter. Reduce distance between TX and RX (maximum range is 196 feet in open outdoor areas). Ensure lavalier mic is positioned correctly and foam pop shield is used.
Low recording volume	Receiver output volume too low. Recording device input sensitivity.	Increase volume using "+" button on the receiver. Adjust microphone input levels on your recording device (smartphone/camera).
Short battery life	Incomplete charging. Aging battery.	Ensure units are fully charged (3-5 hours). Contact FULAIM support if battery life significantly degrades over time.



Distance

Our Products Have a Maximum Range of 196 Feet (Will be affected when there are obstacles around)

Suitable for smartphone/Camera



Figure 6.1: The FULAIM MX11 system offers a maximum range of 196 feet in open outdoor environments. Obstacles may affect this range.

7. SPECIFICATIONS

Feature	Detail
Model	MX11
Brand	FULAIM
Microphone Form Factor	Microphone System (Lavalier)
Polar Pattern	Omnidirectional

Feature	Detail
Connectivity Technology	Wireless (UHF)
Connector Type	3.5 mm Jack
Number of Channels	20
UHF Frequency Range	570-579.5MHz, 580-589.5MHz (as per video)
Audio Frequency Response	0.03 kHz - 18 kHz
Signal-to-Noise Ratio (SNR)	96 dB
Max Operating Distance	196 feet (60 meters) in open outdoor areas
Power Source	Battery Powered (Built-in Lithium Ion)
Charging Port	Micro USB 5V
Battery Runtime	Up to 7-10 hours
Material	Metal (casing)
Compatible Devices	Camera, Smartphone (iOS & Android), PC, Tablets
Item Weight	3.52 ounces (0.1 Kilograms)
Operating Temperature	-20°C to +55°C
Storage Temperature	-20°C to +55°C



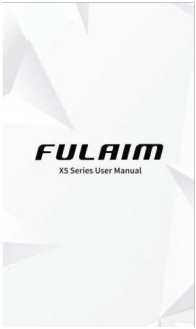



Figure 7.1: Dimensions and features of the FULAIM MX11 receiver and tripod.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided on the FULAIM official website or the product packaging. Keep your purchase receipt as proof of purchase for warranty claims.

You can also visit the FULAIM Store on Amazon for more product information and support: [FULAIM Amazon Store](#).

Related Documents - MX11

	<p>FULAIM X5 Series Wireless Microphone System User Manual</p> <p>User manual for the FULAIM X5 Series wireless microphone system, detailing setup, features, specifications, and precautions for optimal audio recording.</p>
	<p>FULAIM X5 Series Wireless Microphone User Manual</p> <p>User manual for the FULAIM X5 Series Wireless Microphone system, detailing setup, operation, features, and specifications for interviews, vlogging, and live streaming.</p>
	<p>FULAIM WM200 Wireless Microphone System User Manual</p> <p>User manual and guide for the FULAIM WM200 Wireless Microphone System, covering setup, specifications, usage, and precautions for interviews, video recording, and live streaming.</p>
	<p>FULAIM X3 Series Wireless Microphone Owner's Manual</p> <p>Comprehensive owner's manual for the FULAIM X3 Series wireless microphones, detailing setup, usage, technical specifications, and precautions for optimal performance.</p>