

## FULAIM 1TX

# FULAIM VL1 Wireless Lavalier Microphone System (1TX) User Manual

Model: VL1 (1 Transmitter Version)

## 1. INTRODUCTION

The FULAIM VL1 is a cost-effective UHF wireless microphone system designed for clear and reliable audio recording. This system is suitable for content creators, vloggers, and videographers using Android mobile phones, PCs, or laptops. It features simple plug-and-record operation, 16 selectable channels, and noise reduction technology to ensure high-quality sound capture.

## 2. WHAT'S IN THE BOX

Please verify that all components are present in your package:

- 1 x FULAIM VL1 Transmitter
- 1 x FULAIM VL1 Receiver (USB Type-C)
- 1 x Lavalier Microphone
- 1 x USB-C to USB-A Adapter
- 1 x USB Charging Cable
- 1 x User Manual

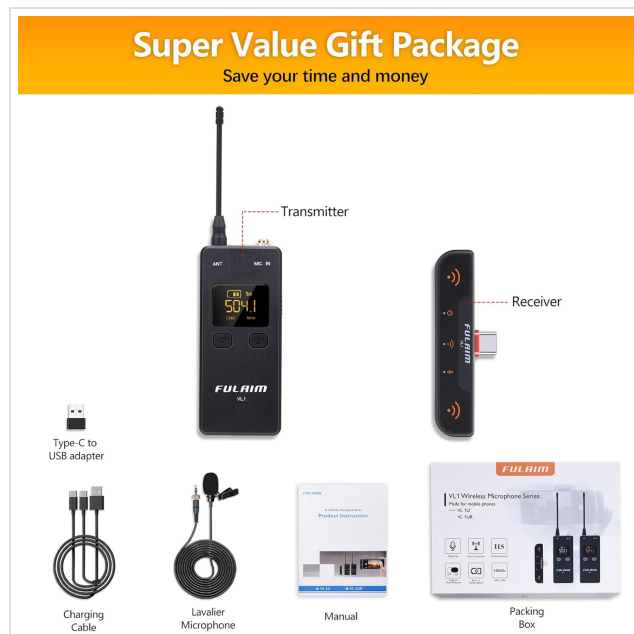


Image: Contents of the FULAIM VL1 Wireless Microphone System package, including transmitter, receiver, lavalier microphone, adapters, and cables.

### 3. PRODUCT OVERVIEW

The FULAIM VL1 system consists of a transmitter and a receiver, each with distinct features for optimal performance.

#### Transmitter Features:

1. Microphone input port
2. Noise reduction button
3. Power button
4. Display screen
5. Channel selection button
6. Transmitting antenna
7. Charging input port (Micro USB)
8. Work indicator light

#### Receiver Features:

1. Receiving antenna A
2. Working indicator light
3. Connection status indicator
4. Recording indicator
5. Receiving antenna B
6. USB Type-C connection plug



Image: Detailed diagram illustrating the various parts and controls of the FULAIM VL1 Transmitter and Receiver units.

## 4. SETUP GUIDE

### 4.1. Charging the Transmitter

Before initial use, fully charge the transmitter. Connect the provided USB charging cable to the Micro USB charging port on the transmitter and a USB power source. The internal lithium-ion polymer battery offers up to six hours of operation on a full charge.

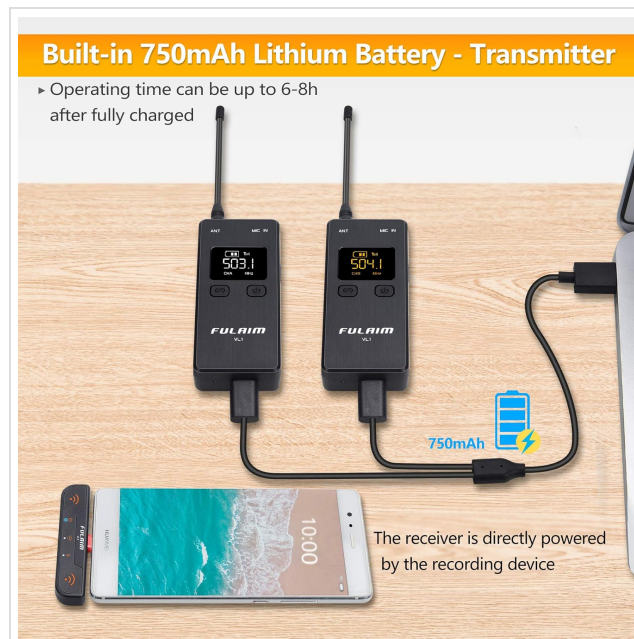


Image: The FULAIM VL1 Transmitter being charged via a USB cable connected to a laptop. The receiver is shown connected to a smartphone.

### 4.2. Connecting to Android Mobile Phones

1. Ensure your Android phone has a USB Type-C port.
2. Plug the FULAIM VL1 receiver directly into the USB Type-C port of your smartphone. Ensure it is securely connected. You may need to remove your phone case for a proper fit.
3. The receiver is powered directly by the phone and does not require separate charging.
4. Turn on the FULAIM VL1 transmitter by pressing and holding the power button. The transmitter and receiver

should automatically pair.

5. Connect the lavalier microphone to the microphone input port on the transmitter.
6. Open your recording application (e.g., camera app, voice recorder, or streaming app) and ensure the external microphone is selected as the audio input source in your phone's settings if necessary.



Image: Illustration showing the FULAIM VL1 receiver's compatibility with a range of USB-C Android smartphones from different brands.

#### 4.3. Connecting to PC/Laptop

1. Use the provided USB-C to USB-A adapter. Connect the FULAIM VL1 receiver to the USB-C end of the adapter.
2. Plug the USB-A end of the adapter into an available USB port on your PC or laptop.
3. Turn on the FULAIM VL1 transmitter. The units should automatically pair.
4. Connect the lavalier microphone to the microphone input port on the transmitter.
5. On your computer, navigate to your sound settings (e.g., Windows Sound Settings or macOS System Preferences > Sound). Select the FULAIM VL1 as your default input device.
6. Open your desired application (e.g., Zoom, OBS, Audacity) and confirm that the FULAIM VL1 is selected as the audio input.



Image: The FULAIM VL1 receiver connected to a laptop via a USB-C to USB-A adapter, demonstrating compatibility with PC and laptop systems.

#### 4.4. Attaching the Lavalier Microphone

Clip the lavalier microphone to your clothing, approximately 6-8 inches (15-20 cm) below your chin, ensuring it is facing towards your mouth for optimal sound capture. Avoid placing it where it might rub against clothing or

jewelry, which can cause unwanted noise.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Power On/Off

To power on the transmitter, press and hold the power button until the display illuminates. To power off, press and hold the power button again until the display turns off. The receiver powers on automatically when connected to a device.

### 5.2. Channel Selection

The FULAIM VL1 system operates on 16 selectable UHF channels, organized into 4 groups with 4 channels each. If you experience interference, you can change the operating channel:

1. On the transmitter, press the channel button (usually labeled 'CH' or similar) to cycle through available channels.
2. The receiver will automatically synchronize with the transmitter's channel.
3. Select a channel that provides clear audio without interference.

### 5.3. Noise Reduction

The transmitter features a noise reduction function to minimize ambient background noise. To activate or deactivate this feature, press the dedicated noise reduction button on the transmitter. The display will indicate when noise reduction is active.



Image: A visual representation of audio waveforms before and after noise reduction, demonstrating the system's ability to clarify sound.

## 6. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the transmitter and receiver. Do not use liquid cleaners or solvents.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the transmitter's battery frequently. If storing for extended periods, charge the battery to approximately 50% every few months.
- **Antennas:** Handle the antennas with care to prevent bending or damage.

## 7. TROUBLESHOOTING

| Problem                            | Possible Cause  | Solution  |
|------------------------------------|---|---|
| No sound or low volume             | <ul style="list-style-type: none"><li>• Transmitter not powered on.</li><li>• Receiver not properly connected.</li><li>• Incorrect audio input selected on device.</li><li>• Lavalier microphone not connected or faulty.</li><li>• Volume too low on recording device.</li></ul> | <ul style="list-style-type: none"><li>• Ensure transmitter is powered on.</li><li>• Verify receiver is securely plugged into the device's USB-C port (or via adapter).</li><li>• Check device's sound settings to ensure FULAIM VL1 is selected as input.</li><li>• Ensure lavalier mic is fully inserted into the transmitter's input.</li><li>• Increase volume on your recording device.</li></ul> |
| Interference or static noise       | <ul style="list-style-type: none"><li>• Operating on a crowded UHF channel.</li><li>• Obstructions between transmitter and receiver.</li><li>• Operating beyond effective range.</li></ul>  | <ul style="list-style-type: none"><li>• Change the operating channel on the transmitter (refer to Section 5.2).</li><li>• Ensure a clear line of sight between transmitter and receiver.</li><li>• Reduce the distance between the transmitter and receiver (maximum range is 30m).</li><li>• Activate noise reduction feature (refer to Section 5.3).</li></ul>                                      |
| Transmitter battery drains quickly | <ul style="list-style-type: none"><li>• Battery not fully charged.</li><li>• Old or degraded battery.</li></ul>   | <ul style="list-style-type: none"><li>• Ensure transmitter is fully charged before use.</li><li>• If battery life significantly decreases, consider contacting support for potential battery replacement.</li></ul>   |
| Receiver not recognized by device  | <ul style="list-style-type: none"><li>• Loose connection.</li><li>• Incompatible device.</li><li>• Device settings preventing external audio.</li></ul>   | <ul style="list-style-type: none"><li>• Re-insert the receiver firmly.</li><li>• Ensure your device supports external USB audio input.</li><li>• Check device's developer options or sound settings for external microphone permissions.</li></ul>  |

## 8. SPECIFICATIONS

| Feature                | Specification                                   |
|------------------------|---|
| Microphone Form Factor | Lavalier  |
| Power Source           | Battery Powered (Transmitter), USB-C (Receiver) |
| Number of Channels     | 16 (UHF)  |
| Frequency Response     | Up to 18 KHz                                    |
| Signal-to-Noise Ratio  | 92 dB   |

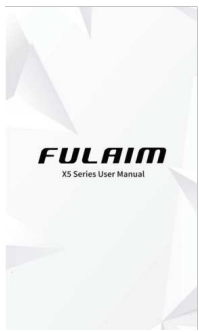


| Feature                      | Specification   |
|------------------------------|---|
| Transmitter Battery          | 1 Lithium Polymer (included), 750mAh                  |
| Operating Time (Transmitter) | Up to 6-8 hours                                       |
| Connectivity Technology      | USB   |
| Connector Type               | 3.5 mm Jack (for lavalier mic), USB Type-C (Receiver) |
| Compatible Devices           | Laptop, Personal Computer, Smartphone (USB-C Android) |
| Polar Pattern                | Omnidirectional                                       |
| Item Weight (Transmitter)    | 8 Grams (0.282 ounces)                                |
| Model Number                 | 1TX   |
| UPC                          | 762409380212  |

## 9. WARRANTY AND SUPPORT

FULAIM products are designed for reliability and performance. This product is covered by a standard return policy. For specific warranty details, technical support, or service inquiries, please refer to the documentation included with your purchase or visit the official FULAIM store:

[Visit the FULAIM Store on Amazon](#)

### Related Documents - 1TX

|   |  |
|---|--|
|  | <p><a href="#">FULAIM X5 Series Wireless Microphone System User Manual</a></p> <p>User manual for the FULAIM X5 Series wireless microphone system, detailing setup, features, specifications, and precautions for optimal audio recording.</p>                       |
|  | <p><a href="#">FULAIM X5 Series Wireless Microphone User Manual</a></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><a href="#">FULAIM WM200 Wireless Microphone System User Manual</a></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> |



### [FULAIM X3 Series Wireless Microphone Owner's Manual](#)

Comprehensive owner's manual for the FULAIM X3 Series wireless microphones, detailing setup, usage, technical specifications, and precautions for optimal performance.