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> [COMICA BoomX-D1 2.4G Wireless Lavalier Microphone System User Manual](#)

COMICA BoomX-D1

COMICA BoomX-D1 2.4G Wireless Lavalier Microphone System User Manual

Model: BoomX-D1

INTRODUCTION

The COMICA BoomX-D1 is a compact and versatile 2.4G wireless microphone system designed for high-quality audio recording. It features one transmitter and one receiver, offering stable transmission up to 650ft (200m). This system is ideal for various applications including interviews, podcasting, YouTube videos, live streaming, and more, providing clear and reliable audio performance.

WHAT'S IN THE BOX

- 1 x Receiver
- 1 x Transmitter
- 1 x 3.5mm Lavalier Microphone
- 1 x 3.5mm TRS Audio Output Cable (for cameras)
- 1 x 3.5mm TRRS Audio Output Cable (for smartphones)
- 1 x 3-in-1 USB-C Charging Cable
- 1 x Carry Case
- 1 x Wind Muff
- 1 x User Manual
- 1 x Warranty Card



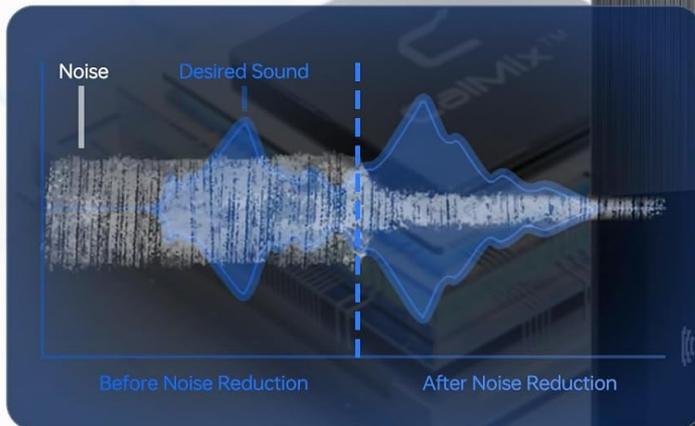
Image: All components included in the COMICA BoomX-D1 package.

PRODUCT OVERVIEW

Transmitter (TX)

Intelligent Denoise Precise Pickup

Built-in DPS chip, intelligently filters noise and effectively reduces the impact of noise on recording



Denoise/Pair Button

Short press for denoising switch; Long press for pairing with receiver



Image: Front view of the Transmitter with its display and built-in microphone.

- **Built-in Microphone:** Omnidirectional pickup for direct audio capture.
- **3.5mm MIC IN Port:** For connecting the external lavalier microphone.
- **Power/Mute/Denoise Button:** Short press to mute/unmute, long press for power ON/OFF, one-click to activate/deactivate noise cancellation.
- **Pair Button:** For pairing with the receiver.
- **USB-C Charging Port:** For charging the device.
- **Belt Clip/Cold Shoe Adapter:** For attaching to clothing or camera.

Receiver (RX)



Image: Front view of the Receiver with its display and control buttons.

- **3.5mm Audio OUT Port:** For connecting to cameras, camcorders, or smartphones.
- **3.5mm Headphone Monitor Port:** For real-time audio monitoring.
- **Power/Mono/Stereo Switch:** Long press for power ON/OFF, short press to switch between Mono and Stereo output modes.
- **A/B Channel Gain Control:** Adjusts the output volume for each channel.
- **USB-C Charging Port:** For charging the device.
- **Belt Clip/Cold Shoe Adapter:** For attaching to clothing or camera.

SETUP

1. **Charge Devices:** Use the provided 3-in-1 USB-C charging cable to fully charge both the transmitter and receiver before first use. The orange cable supports charging and data transmission, while black cables are for charging only.
2. **Power On:** Long press the Power button on both the transmitter and receiver to turn them ON.
3. **Pairing:** The devices should automatically pair. If not, short press the Pair button on the transmitter. The display will indicate successful pairing.
4. **Connect Microphone:**

- **Internal Mic:** Simply clip the transmitter to your clothing.
- **External Lavalier Mic:** Plug the 3.5mm lavalier microphone into the MIC IN port on the transmitter. Secure the lavalier mic to your clothing.



Image: External lavalier microphone connected to the transmitter.

- 5. Mount Receiver:** Attach the receiver to your camera's hot shoe or cold shoe mount using its belt clip.
- 6. Connect to Recording Device:**
 - **For Cameras:** Use the 3.5mm TRS audio output cable.
 - **For Smartphones:** Use the 3.5mm TRRS audio output cable. (Note: For iPhone 7 and above iOS smartphones, an ORIGINAL Lightning - 3.5mm TRRS adapter cable from Apple's official website is required. Third-party adapters may affect sound quality.)

OPERATING INSTRUCTIONS

Real-Time Monitoring

Plug headphones into the 3.5mm Headphone Monitor Port on the receiver to monitor audio in real-time during recording. This helps ensure proper audio levels and quality.

Mute Function

Short press the Power/Mute button on the transmitter to mute the microphone. This is useful for short pauses or adjustments without stopping the recording.

Mono/Stereo Output

Short press the Power/Mono/Stereo switch on the receiver to toggle between Mono and Stereo output modes. In Mono mode, audio from both transmitters (if using a dual-transmitter system) is mixed into a single channel. In Stereo mode, each transmitter's audio is recorded on a separate channel (left/right).

Output Volume Adjustment

Use the A/B Channel Gain Control buttons on the receiver to adjust the output volume (gain) for each channel independently, according to your recording device's input sensitivity.

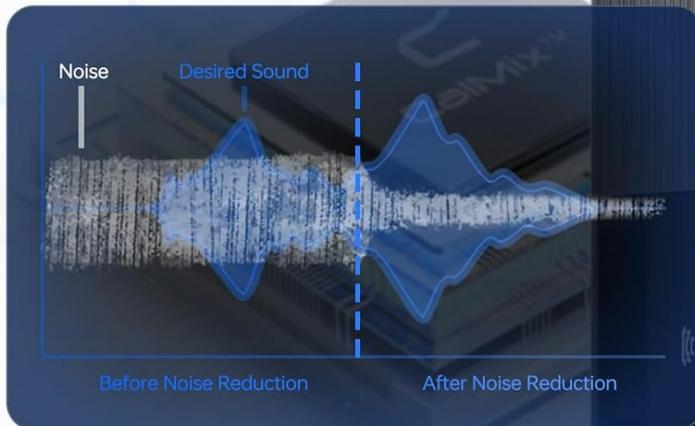
Video: General overview of the COMICA BoomX-D wireless microphone system and its basic operation.

NOISE REDUCTION

The new version of BoomX-D supports one-click noise cancellation. To activate or deactivate noise reduction, simply press the Pair/Denoise Button on the transmitter. This feature helps to make your video voice clear and clean by filtering out unwanted background noise.

Intelligent Denoise Precise Pickup

Built-in DPS chip, intelligently filters noise and effectively reduces the impact of noise on recording



Denoise/Pair Button

Short press for denoising switch; Long press for pairing with receiver



Image: Transmitter display indicating noise reduction status.

Video: Demonstration of microphone sound quality test, highlighting noise reduction capabilities.

AUDIO INPUT MODES

The COMICA BoomX-D1 offers two flexible audio input modes:

- **Internal Microphone:** The transmitter has a built-in omnidirectional microphone. You can directly clip the transmitter to your clothing for convenient audio capture.
- **External Lavalier Microphone:** For more discreet placement or specific audio needs, connect the included 3.5mm lavalier microphone to the transmitter's MIC IN port.



PROFESSIONAL AUDIO EQUIPMENT

Comica was founded in 2012 and is mainly focused on developing and manufacturing professional video, interview, filming, video blog and live audio systems.

The Comica brand has always adhered to the R&D, manufacturing and sales concept of "focusing on innovation, high quality and excellent service", taking the user perspective as the market orientation, and is committed to creating first-class equipment for global film and television equipment users.

Image: Using the internal microphone by clipping the transmitter directly.



Image: Using the external lavalier microphone.

Video: Explanation of the two input modes: built-in microphone and lavalier microphone.

CHARGING AND BATTERY LIFE

The BoomX-D1 system features built-in lithium batteries, providing up to 12 hours of runtime on a full charge. The included 3-in-1 USB-C charging cable allows you to charge both the transmitter and receiver simultaneously. Ensure to use the orange cable for charging and data transmission, while the black cables are for charging only.

COMPATIBILITY

The BoomX-D1 is widely compatible with various recording devices:

- **Cameras:** Compatible with Canon, Nikon, Sony, Panasonic DSLR cameras, and camcorders using the 3.5mm TRS audio output cable.
- **Smartphones:** Compatible with most smartphones using the 3.5mm TRRS audio output cable.
- **Computers:** Can be connected to PCs and laptops.

Important Notes:

- For iPhone 7 and above iOS smartphones, please purchase an ORIGINAL Lightning - 3.5mm TRRS adapter cable from Apple's official website. Third-party adapter cables may be incompatible or affect sound quality.
- The gray plug output cable is dedicated to mobile phones, and the black plug output cable is dedicated to camera, camcorder, and PC.
- Maintain line-of-sight between the transmitter and receiver for optimal performance. Avoid placing your body between them to prevent signal breakpoints.
- The distance between the transmitter and receiver should be more than 15 inches to avoid interference.

Video: [Explanation of output cable connections for various devices.](#)

TROUBLESHOOTING

- **No Audio/Poor Quality:**
 - Ensure both transmitter and receiver are fully charged and powered on.
 - Check that devices are properly paired.
 - Verify correct audio cables are used for your recording device (TRS for camera, TRRS for smartphone).
 - Adjust output volume (gain) on the receiver.
 - Ensure the lavalier microphone is securely plugged into the transmitter (if used).
 - Check for obstructions or excessive distance between transmitter and receiver.
- **Interference/Signal Dropouts:**
 - Maintain line-of-sight between devices.
 - Keep transmitter and receiver at least 15 inches apart.
 - Avoid environments with strong 2.4Ghz interference (e.g., Wi-Fi routers, other wireless devices).
- **Noise in Audio:**
 - Activate the noise reduction feature on the transmitter.
 - Ensure the wind muff is properly installed on the microphone in windy conditions.

SPECIFICATIONS

Audio Sensitivity	100 Decibels
Item Weight	218 Grams (7.7 ounces)
Microphone Form Factor	Lavalier
Item Dimensions (L x W x H)	4.33 x 2.76 x 5.31 inches
Power Source	Battery Powered (2 Lithium Polymer batteries included)

Material	Metal
Signal-to-Noise Ratio	86 dB
Number of Channels	1
Frequency Response	20 KHz
Connectivity Technology	2.4GHz (Wireless)
Connector Type	3.5 mm Jack
Special Features	Clip, Mute Function, Volume Control
Compatible Devices	Camcorder, Camera, Laptop, Personal Computer, Smartphone
Polar Pattern	Omnidirectional

WARRANTY AND SUPPORT

The COMICA BoomX-D1 comes with a warranty card included in the package. Please refer to the warranty card for details on coverage and terms. For technical support, product inquiries, or service, please visit the official COMICA website or contact their customer service directly.