

COMICA D2

COMICA BoomX-D D2 2.4G Wireless Microphone System User Manual

Model: D2 | Brand: COMICA

1. INTRODUCTION

Thank you for choosing the COMICA BoomX-D D2 2.4G Wireless Microphone System. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new wireless microphone system. Please read this manual thoroughly before use to ensure optimal performance and to prevent damage to the device. Keep this manual for future reference.

2. PRODUCT OVERVIEW

2.1 Key Features

- **2.4G Digital Wireless Technology:** Ensures stable and reliable audio transmission.
- **Dual Transmitters, One Receiver:** Allows simultaneous recording from two sources.
- **Visual Power & Audio Dynamic Monitor:** Real-time display of battery status and audio levels.
- **Internal & External MIC Input Modes:** Flexibility to use built-in microphone or external lavalier.
- **Mono/Stereo Switchable Output:** Adaptable for various recording needs.
- **Broadcasting-Quality Audio:** Delivers clear and crisp sound.
- **Low Latency:** Less than 20ms for synchronized audio and video.
- **Working Range:** Up to 50 meters (164 feet) in open areas.
- **Multi-functional Belt Clip:** For easy attachment and portability.
- **Compact and Lightweight Design:** Ideal for on-the-go recording.
- **USB-C Charging:** Convenient and universal charging.

2.2 Included Components

The COMICA BoomX-D D2 system typically includes the following components:

- 1 x Receiver (RX)

- 2 x Transmitters (TX)
- 2 x 3.5mm TRS Lavalier Microphones
- 2 x Wind Muffs for Lavalier Microphones
- 1 x 3.5mm TRS-TRS Audio Cable (for cameras)
- 1 x 3.5mm TRS-TRRS Audio Cable (for smartphones)
- 1 x USB-C to USB-A Charging Cable (may include multiple for simultaneous charging)
- 1 x User Manual
- 1 x Storage Case (or packaging)



Figure 1: Complete contents of the COMICA BoomX-D D2 package, showing the receiver, two transmitters, lavalier microphones, wind muffs, various audio cables, and charging cable.

3. SETUP GUIDE

3.1 Charging the Devices

Before initial use, fully charge the receiver and both transmitters using the provided USB-C charging cable. Connect the USB-C end to the device and the USB-A end to a compatible USB power adapter (not included) or a computer USB port.

USB-C Charging Port



Lithium Batteries Working Time



Multi-functional belt clip



Figure 2: Illustration of the USB-C charging port on the COMICA BoomX-D D2 units, highlighting the charging process and battery life indication.

3.2 Powering On/Off and Pairing

1. **Power On:** Press and hold the power button on both the receiver and transmitters until the screen illuminates.
2. **Automatic Pairing:** The units are designed to pair automatically upon power-on. Observe the screens for connection indicators. If pairing fails, refer to the troubleshooting section or the seller video for manual pairing instructions.

Your browser does not support the video tag.

Video 1: A seller-provided video demonstrating the setup and pairing process of the COMICA BoomX-D D2 wireless microphone system, including how to connect to various devices.

3.3 Connecting to Recording Devices

Use the appropriate audio cable to connect the receiver to your recording device (camera, smartphone, etc.).

- **For Cameras (DSLR/Mirrorless):** Use the 3.5mm TRS-TRS audio cable. Connect one end to the receiver's output and the other to your camera's microphone input.
- **For Smartphones/Tablets:** Use the 3.5mm TRS-TRRS audio cable. Connect one end to the receiver's output and the other to your smartphone's headphone/microphone jack. For devices without a 3.5mm jack, an appropriate

adapter (e.g., USB-C to 3.5mm or Lightning to 3.5mm) may be required (not included).

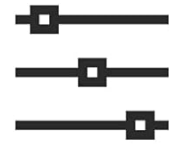
2.4G Dual Wireless Microphone



Low Latency <20ms



Range Up to 164ft/50m



Mono/Stereo Output



Figure 3: The COMICA BoomX-D D2 receiver connected to a smartphone, illustrating its use for mobile video recording with low latency and a 50-meter range.



Figure 4: A visual guide to the compatibility of the COMICA BoomX-D D2 with various devices, including Canon, Nikon, Sony, Panasonic, Fujifilm cameras, and iPhone, Huawei, Samsung smartphones, using different audio cables.

4. OPERATING INSTRUCTIONS

4.1 Using the Lavalier Microphone or Built-in Mic

Each transmitter has a built-in omnidirectional microphone. For discreet placement or improved audio quality, you can connect the included 3.5mm TRS lavalier microphone to the transmitter's MIC input port.

- **With Lavalier Mic:** Plug the lavalier microphone into the 3.5mm MIC input on the transmitter. Clip the lavalier mic to clothing, approximately 6-8 inches from the speaker's mouth.
- **Without Lavalier Mic (Built-in):** Ensure no external microphone is plugged in. Clip the transmitter directly onto clothing, ensuring the built-in microphone faces the sound source.

Multiple Input Modes

You can choose to input audio with lavalier microphone or without lavalier microphone according to your needs



With Lavalier Mic



Without Lavalier Mic



Figure 5: Demonstrates the flexibility of the COMICA BoomX-D D2, allowing users to choose between the external lavalier microphone or the built-in microphone on the transmitter, depending on their recording needs.

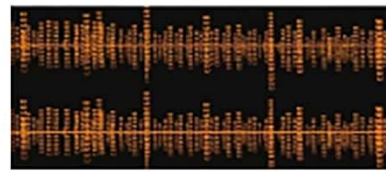
4.2 Mono/Stereo Output Switching

The receiver allows you to switch between mono and stereo output modes. This is useful for post-production flexibility or specific recording scenarios.

- **Mono Mode:** Combines audio from both transmitters into a single mono track.
- **Stereo Mode:** Records audio from each transmitter to separate left and right channels.

Refer to the receiver's display and control buttons to switch between these modes. The display will clearly indicate the selected mode.

Mono/Stereo Output



Stereo



Mono

Visual Display Screen

You can monitor the audio and battery power at the same time



Figure 6: The visual display screen of the COMICA BoomX-D D2 receiver, showing options for Mono/Stereo output and real-time monitoring of audio levels and battery status for both transmitters.

4.3 Real-time Audio Monitoring

Connect headphones to the receiver's 3.5mm headphone output jack to monitor your audio in real-time. This ensures that your audio is being recorded correctly and helps identify any potential issues during recording.

Real-time Audio Monitor



Figure 7: A user monitoring real-time audio through headphones connected to the COMICA BoomX-D D2 receiver, which is mounted on a camera, ensuring sound quality during recording.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the devices. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the microphone system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the devices frequently. Charge them regularly, even if not in use for extended periods.
- **Avoid Moisture:** Keep the devices away from water and high humidity to prevent damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Sound Output	Low battery; Incorrect cable connection; Unpaired devices; Muted microphone.	Charge devices; Ensure cables are securely connected; Repair transmitter and receiver; Check if transmitter is muted.
Interference/Poor Sound Quality	Obstructions between TX/RX; Too far from receiver; Strong electromagnetic interference.	Reduce distance between TX/RX; Ensure clear line of sight; Move away from other wireless devices; Check external microphone connection.
Devices Not Pairing	Out of range; Pairing mode not activated.	Bring devices closer; Follow manual pairing instructions (if automatic fails); Ensure both are powered on.
Short Battery Life	Old battery; Frequent full discharge.	Ensure full charge before use; Avoid frequent full discharge; Consider battery replacement if significantly degraded.

7. SPECIFICATIONS

Brand: COMICA

Model Number: D2

Connectivity Technology: USB, Wireless (2.4G Digital)

Connector Type: USB-C, 3.5mm (TRS/TRRS)

Special Feature: Clip-on design

Polar Pattern: Omnidirectional

Audio Sensitivity: 86 Decibels

Microphone Form Factor: Microphone System

Power Source: USB-C

Signal-to-Noise Ratio: 86 dB

Number of Channels: 2

Working Range: Up to 50m (164ft)

Latency: <20ms

8. WARRANTY AND SUPPORT

COMICA products are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms, registration, and technical support, please visit the official COMICA website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.

Official Website: www.comica-audio.com