COMICA BoomX-D2 PRO

COMICA BoomX-D2 PRO Wireless Lavalier Microphone User Manual

Brand: COMICA

Model: BoomX-D2 PRO

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your COMICA BoomX-D2 PRO Wireless Lavalier Microphone system. Please read this manual thoroughly before use to ensure proper functionality and to maximize your product experience.

The COMICA BoomX-D2 PRO is a 2.4GHz wireless microphone system designed for high-quality audio recording across various platforms including cameras, smartphones, and computers. Key features include 16GB internal storage, multiple output modes (Safety, Mono, Stereo), and one-click noise cancellation.

2. WHAT'S IN THE BOX

The COMICA BoomX-D2 PRO package includes the following components:

- 2 x Transmitters (TX)
- 1 x Receiver (RX)
- 1 x Carry Case
- 2 x 3.5mm Mic Audio Input Cables
- 1 x 3.5mm TRS-TRRS Audio Cable (for Smartphones)
- 1 x 3.5mm TRS-TRS Audio Cable (for Cameras)
- 1 x 3-in-1 Charging/Output Cable
- 2 x Wind Muffs
- 1 x Reset Pin
- 1 x Portable Bag
- 1 x User Manual

–6dB Safety Channel

Records a second track at -6dB to avoid peak audio and invalid recording.This Safety Channel which is perfect for Post-production.

Image: All components included in the COMICA BoomX-D2 PRO Wireless Lavalier Microphone system package.

3. PRODUCT OVERVIEW

3.1. Transmitter (TX)

- **Built-in Microphone:** Omnidirectional condenser microphone for 360° sound pickup.
- **3.5mm MIC IN Port:** For connecting external lavalier microphones.
- **REC Button:** Long-press to start/stop internal recording.
- **Power/Mute Button:** Short press to mute/unmute, long press to power on/off.
- **USB-C Port:** For charging and data transfer (orange cable for data).
- **Display Screen:** Shows battery level, recording status, and audio levels.

3.2. Receiver (RX)

- **3.5mm TRS Output:** For connecting to cameras or other audio devices.
- **3.5mm Headphone Jack:** For real-time audio monitoring.
- **Power/Mode Button:** Long press to power on/off, short press to switch between Mono, Stereo,

and Safety modes.

- **Volume +/- Buttons:** Adjust output volume.
- **USB-C Port:** For charging and digital output.
- **Display Screen:** Shows battery levels, audio levels, and selected output mode.

Digital & Analog Output
Visual Display Screen

BoomX-D PRO set is universal for 3.5 mm and USB interface Camera, Phone and Computer. Digital Output Mode only compatible for USB interface devices.

USB

Image: Detailed view of the transmitter and receiver units, showing their various controls and connection points.

4. SETUP GUIDE

4.1. Powering On/Off

- To power on, long-press the Power button on both the TX and RX units.
- To power off, long-press the Power button on both units.

4.2. Pairing

The TX and RX units are pre-paired at the factory. If re-pairing is needed:

1. Power on both the TX and RX units.
2. On the RX unit, short press the 'Pair' button. The pairing indicator will flash.

3. On the TX unit, short press the 'Pair' button. The pairing indicator will flash.

4. Once successfully paired, the indicators on both units will turn solid blue.

4.3. Connecting to Devices

Use the appropriate cable to connect the RX unit to your recording device:

- **For Cameras:** Use the 3.5mm TRS-TRS Audio Cable. Connect one end to the RX 'OUT' port and the other to your camera's MIC IN port.

- **For Smartphones:** Use the 3.5mm TRS-TRRS Audio Cable. Connect one end to the RX 'OUT' port and the other to your smartphone's 3.5mm jack. For iPhones without a 3.5mm jack, a Lightning adapter (not included) is required. For USB-C smartphones, a USB-C to 3.5mm adapter (not included) is required.

- **For Computers/Laptops:** Use the 3-in-1 Charging/Output Cable (orange end for data). Connect the USB-C end to the RX unit and the USB-A end to your computer. The system will function as an audio interface.

Image: The receiver unit mounted on a camera, demonstrating a typical setup for video recording.

48Khz/16Bit Recording, Intelligent Noise Reduction

High sampling rate for better picking up high and low-frequency audio signals. You can monitor in real-time to adjust the recording status more quickly.

Image: An illustration of the different cables provided for connecting the microphone system to various devices.

4.4. Using Built-in or External Lav Mic

- The TX unit has a built-in omnidirectional microphone. For direct use, simply clip the TX unit to your clothing.
- To use an external lavalier microphone, plug the 3.5mm Mic Audio Input Cable into the TX 'MIC' port. Ensure the external mic is securely connected.

5. OPERATING MODES

The RX unit supports three output modes: Mono, Stereo, and Safety. Short press the 'Power/Mode' button on the RX unit to cycle through these modes.

5.1. Mono Mode

In Mono mode, audio from both transmitters (TX1 and TX2) is mixed into a single mono track. This is ideal for single-person recordings or when you want both audio sources combined into one channel.

5.2. Stereo Mode

In Stereo mode, audio from TX1 is recorded to the left channel and audio from TX2 is recorded to the right channel. This allows for independent control and mixing of each audio source during post-production.

5.3. Safety Mode

Safety mode records two separate tracks. One track is the standard audio, and the second track is recorded at -6dB lower volume. This provides a backup audio track to prevent clipping or distortion in case the main audio level is too high.
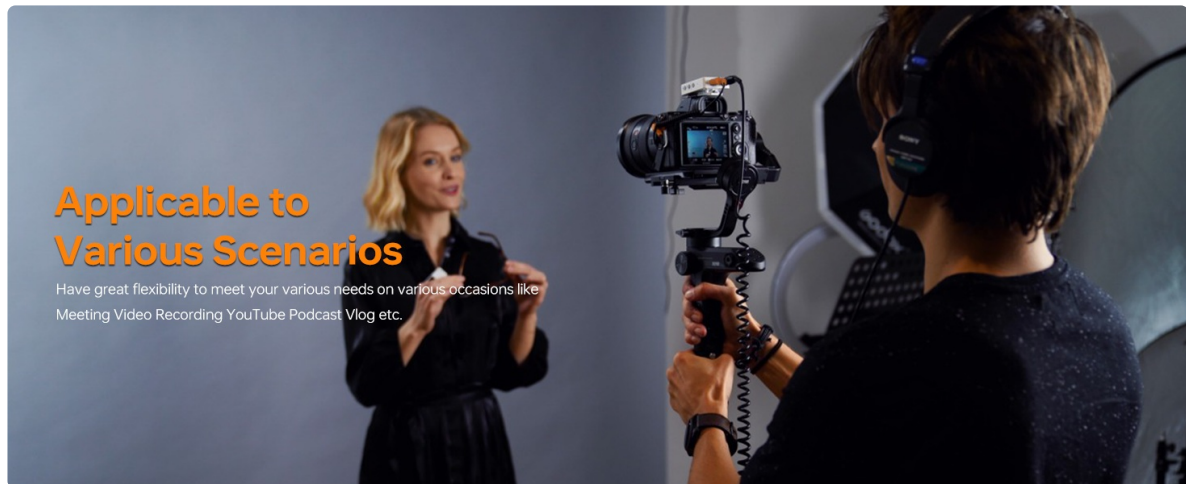

Image: Visual representation of the different audio output modes available on the receiver unit.

5.4. One-click Noise Cancellation

The TX units feature a DSP denoise chip for one-click noise cancellation. Short press the noise cancellation button on the TX unit to activate or deactivate this feature. This helps to reduce environmental noise for clearer audio.
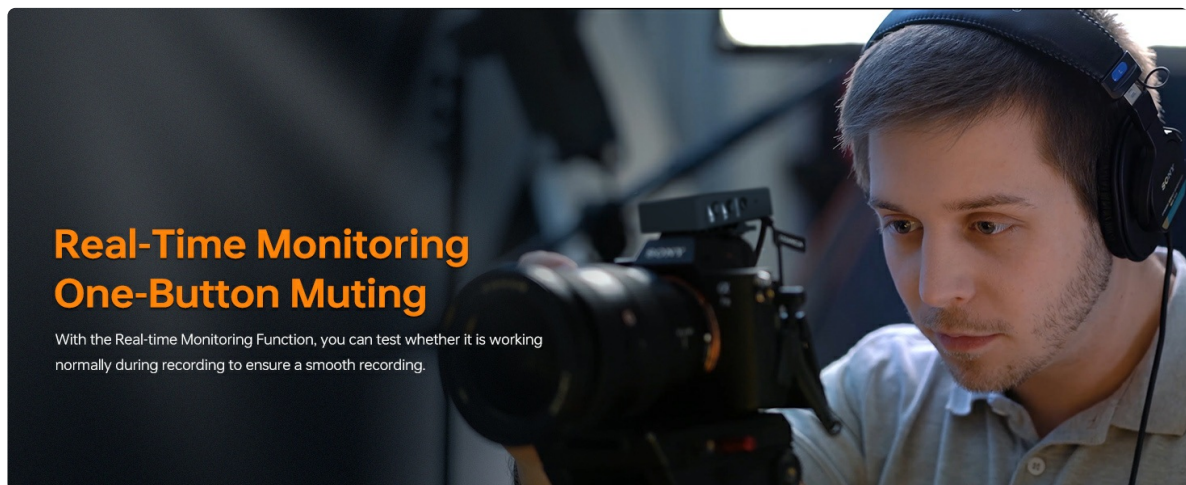
Image: A graphic demonstrating the effect of the one-click noise cancellation feature on audio quality.

5.5. Internal Recording (16GB Storage)

Each TX unit has 16GB of internal storage, capable of storing up to 48 hours of uncompressed audio. To start internal recording, long-press the 'REC' button on the TX unit. Long-press again to stop recording.

To transfer recorded files to a computer, connect the TX unit to your computer using the orange 3-in-1 Charging/Output Cable. Ensure the TX unit is powered on during file transfer.

Image: A transmitter unit connected to a laptop, illustrating the process of transferring internally recorded audio files.

5.6. Real-time Monitoring & Muting

- Plug headphones into the RX 3.5mm headphone jack for real-time audio monitoring.
- Short press the Power/Mute button on the TX unit to quickly mute or unmute the microphone during recording.

6. CHARGING & BATTERY LIFE

The COMICA BoomX-D2 PRO units are powered by built-in Lithium Polymer batteries.

- Use the provided 3-in-1 Charging/Output Cable to charge both TX units and the RX unit simultaneously.
- The battery life for the transmitters is approximately 4.5 hours, and for the receiver, it is approximately 6 hours.
- The charging case itself can provide additional charges to extend operational time.
- Battery level indicators are displayed on the screens of both TX and RX units.

Image: The three units (two transmitters and one receiver) being charged simultaneously using the included 3-in-1 USB-C cable.

7. SPECIFICATIONS

Feature	Detail
Item Weight	1.02 ounces (29 Grams)
Microphone Form Factor	Lavalier
Item Dimensions (L x W x H)	0.79 x 0.79 x 0.39 inches
Power Source	Battery Powered (1 Lithium Polymer battery included)
Material	Metal, Plastic
Signal-to-Noise Ratio	70 dB
Hardware Platform	Camcorder, Camera, Smartphone
Number of Channels	2
Connectivity Technology	2.4GHZ
Connector Type	3.5 mm Jack
Polar Pattern	Omnidirectional
Audio Sensitivity	12 Decibels
Special Features	16GB Internal Recording, Built-in or External Lav Mic, Dual-Channel Lossless Pickup, One-click Noise Cancellation, Safety, Mono, and Stereo Output

8. TROUBLESHOOTING

- **No Sound/Low Volume:**
  - Ensure both TX and RX units are powered on and successfully paired (solid blue indicator).
  - Check all cable connections between the RX unit and your recording device.
  - Verify the volume levels on the RX unit are adjusted appropriately.
  - Confirm the recording device's input settings are correct and the microphone is selected.

- **Audio Distortion/Clipping:**
  - Switch the RX unit to Safety Mode to record a backup track at a lower volume.
  - Reduce the input gain on your recording device if possible.

- **Interference/Poor Signal:**

  - Ensure the TX and RX units are within the specified operating range (up to 328' in open areas).
  - Avoid obstacles between the TX and RX units.
  - Minimize interference from other 2.4GHz devices.

- **Internal Recording Issues:**

  - Ensure the TX unit has sufficient battery life.
  - Check if the 16GB storage is full. Older files will be overwritten if recording continues.
  - When transferring files, ensure the orange 3-in-1 cable is used and the TX unit is powered on.

9. Maintenance

- Keep the units clean and dry. Avoid exposure to moisture, dust, and extreme temperatures.
- Use a soft, dry cloth to clean the exterior of the units.
- Store the system in its provided carry case when not in use to protect it from damage.
- Regularly check cables for any signs of wear or damage.
- Ensure the charging contacts on the units and in the charging case are clean to maintain proper charging.

10. Warranty and Support

COMICA offers a 365-day replacement and lifetime service for its products. For warranty claims, technical support, or any inquiries, please contact COMICA customer service through their official channels or the retailer where the product was purchased.

You can visit the official COMICA Store for more information and support:COMICA Store

11. Official Product Videos

Below are official product videos from the seller demonstrating features and usage of the COMICA BoomX-D2 PRO.

After Owning for 2 Years - Mic Test and Detailed Unboxing

Your browser does not support the video tag.

Video: A comprehensive review and unboxing of the COMICA BoomX-D2 PRO, including a microphone test, after two years of ownership.

comica BoomX-D PRO Lav Mic and Built-in Mic

Your browser does not support the video tag.
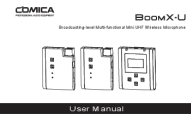
Video: Demonstration of both the lavalier microphone and the built-in microphone capabilities of the COMICA BoomX-D PRO.

comica BoomX-D PRO Wireless Lavalier Microphone

Your browser does not support the video tag.

Video: An overview of the COMICA BoomX-D PRO Wireless Lavalier Microphone system and its features.

Related Documents - BoomX-D2 PRO

	[COMICA BoomX-U User Manual: Broadcasting-Level Mini UHF Wireless Microphone](#) Comprehensive user manual for the COMICA BoomX-U, a broadcasting-level multi-functional mini UHF wireless microphone. Learn about its features, installation, and usage for both transmitters and receivers.
	[COMICA BoomX-U UHF Wireless Microphone User Manual](#) Comprehensive user manual for the COMICA BoomX-U multi-functional mini UHF wireless microphone system, detailing features, installation, operation, and technical specifications for broadcast-level audio capture.
	[Comica Vimo Q User Manual: Four-Channel Mini Wireless Microphone System](#) Comprehensive user manual for the Comica Vimo Q, a four-channel mini wireless microphone system. Learn about its features, setup, operation, and specifications for professional audio recording with cameras, smartphones, and PCs.
	[Comica BoomX-D 2.4G Digital Wireless Microphone User Manual](#) User manual for the Comica BoomX-D 2.4G Digital 1-Trigger-2 Wireless Microphone system, detailing its features, components, installation, and usage.
	[Comica BoomX-D 2.4G Digital Wireless Microphone User Manual](#) User manual for the Comica BoomX-D 2.4G Digital Wireless Microphone system, covering setup, features, and specifications for transmitters and receivers.
	[COMICA BoomX-D MI 2.4G Digital Dual-Channel Wireless Microphone User Manual](#) User manual for the COMICA BoomX-D MI, a 2.4G digital dual-channel wireless microphone system. This guide covers features, components, installation, usage, pairing, and specifications for optimal audio capture.