

COMICA BooMax

COMICA BooMax Wireless Lavalier Microphone System Instruction Manual

Model: BooMax

INTRODUCTION

The COMICA BooMax is a professional-grade wireless lavalier microphone system designed for high-quality audio capture. It features 48kHz/32-bit float recording, 32GB internal storage, dual internal microphones with switchable pickup patterns, a 1.08-inch IPS touchscreen, and app control. This manual provides detailed instructions for setting up, operating, and maintaining your BooMax system.

WHAT'S IN THE BOX

Verify that all components are present in your package:

- Two (2) Transmitters (TX)
- One (1) Receiver (RX)
- One (1) Charging Case
- One (1) Carrying Pouch
- One (1) USB Charging/3.5mm TRS-TRS Audio Output Cable
- Two (2) Wind Muffs
- Two (2) Magnetic Plates
- One (1) User Manual (this document)

Long Battery Life



Charge Time: 2H



Battery Life: 20H



Image: All components of the COMICA BooMax system laid out, including two transmitters, one receiver, charging case, cables, wind muffs, magnetic plates, carrying pouch, and user manual.

SETUP GUIDE

1. Initial Charging

Before first use, fully charge the transmitters, receiver, and charging case. Place the transmitters and receiver into the charging case. Connect the charging case to a USB power source using the provided USB-C cable.

Universal Compatibility

USB C



iPhone 15
and above



Android Phone



Tablet

Lightning



iPhone 14 and below



iPad

3.5mm TRS-TRS



Mirrorless/DSLR Camera



Cinema Camera

Reminder: Please use a Lightning Adapter with OTG function to ensure compatibility.



Image: The COMICA BooMax charging case with the receiver and two transmitters docked inside, indicating charging status with LED lights. The image also shows "Charge Time: 2H" and "Battery Life: 20H".

- **Charging Time:** Approximately 2 hours for a full charge.

- **Battery Life:** The charging case provides up to 20 hours of additional use for the system.

2. Powering On/Off

To power on, press and hold the power button on each transmitter and the receiver until the screen illuminates. To power off, press and hold the power button again.

3. Pairing

The transmitters and receiver are typically pre-paired from the factory. If re-pairing is necessary, refer to the on-screen menu of the receiver for pairing options. Ensure both devices are powered on and within close proximity during the pairing process.

4. Connecting to Recording Devices

The BooMax system offers universal compatibility with various devices:

- **USB-C Output:** Connects to iPhone 15 and above, Android phones, tablets, and laptops using the USB-C cable.
- **Lightning Output:** Connects to iPhone 14 and below, and iPads, typically requiring a Lightning adapter with OTG function (not included).
- **3.5mm TRS-TRS Output:** Connects to mirrorless/DSLR cameras and cinema cameras using the 3.5mm TRS-TRS audio cable.

32GB Onboard Storage

Allowing up to 40 hours of uncompressed 24-bit audio or 32-bit float backup.



32GB Onboard Storage



up to 40 hours



Image: Diagram illustrating the universal compatibility of the COMICA BooMax receiver, showing connections via USB-C to modern smartphones/tablets, Lightning to older iPhones (adapter needed), and 3.5mm TRS to cameras.

OPERATING INSTRUCTIONS

1. 32-Bit Float Recording

The BooMax system supports 48kHz/32-bit float recording, providing an ultra-high dynamic range and distortion-free sound. This feature minimizes the risk of audio clipping and offers greater flexibility during post-production.



Image: A close-up of the COMICA BooMax transmitter with text emphasizing "48kHz/32-bit Float Recording" and its benefit for capturing audio with impressive dynamic range.

2. Internal Storage and Backup

Each transmitter includes 32GB of internal memory, capable of storing up to 40 hours of uncompressed 24-bit audio or 32-bit float backup. This allows for standalone recording or serves as a crucial backup in case of wireless signal interruption.

IPS Touchscreen, Precision Dial App Control

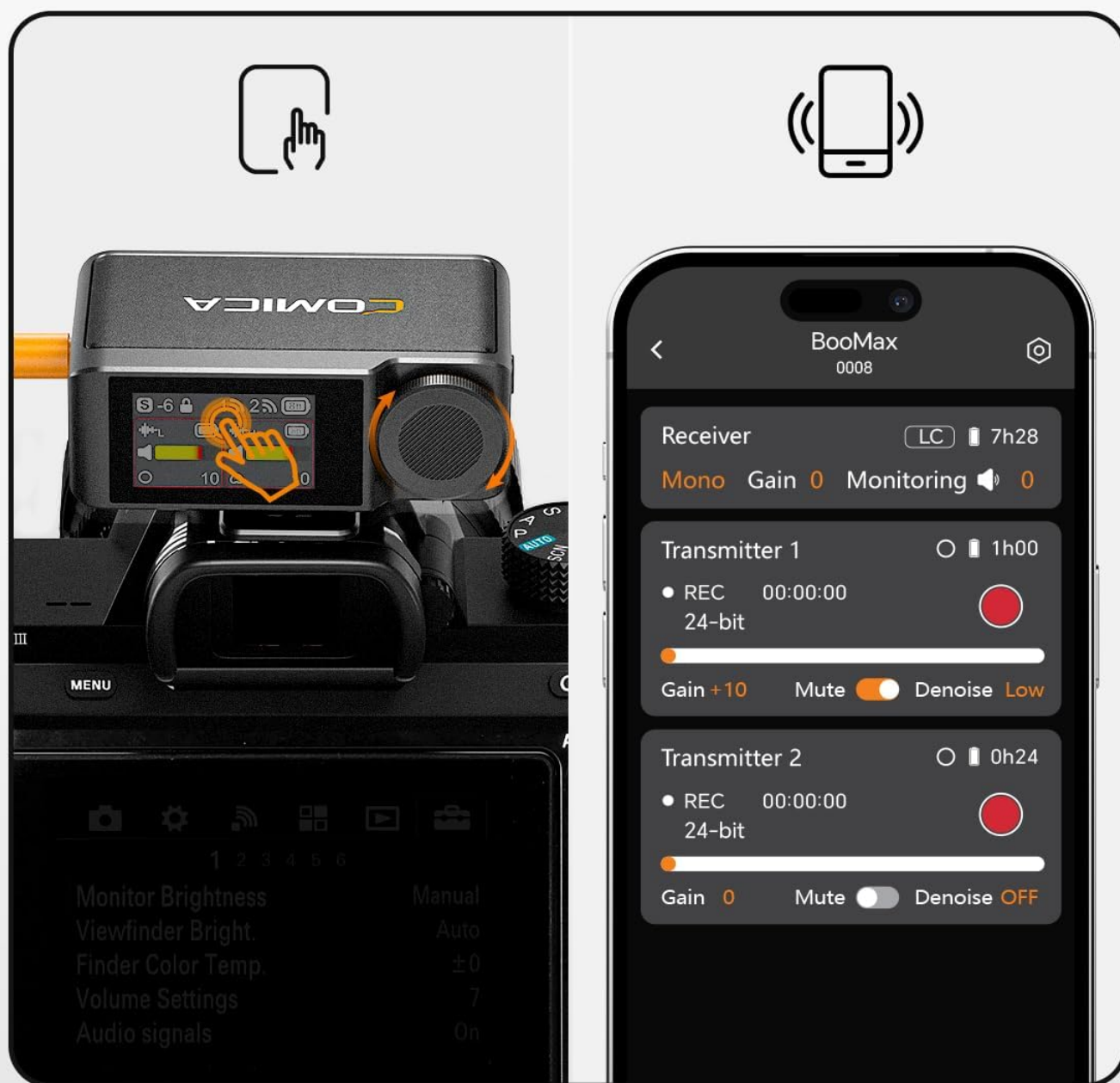


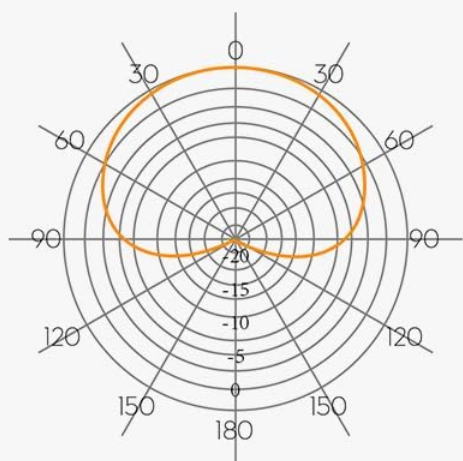
Image: A diagram showing the COMICA BooMax transmitter with an icon indicating 32GB internal storage and the capacity for up to 40 hours of recording.

3. Dual Internal Microphones with Pickup Patterns

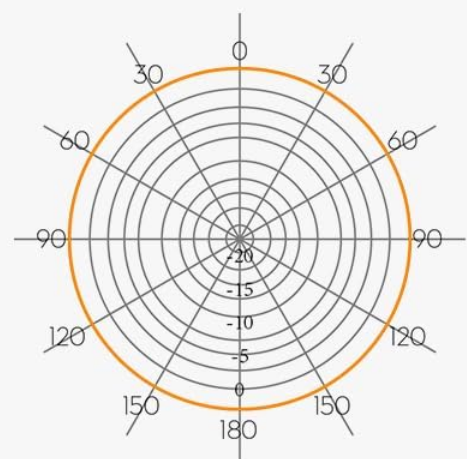
Each transmitter features dual internal mic capsules, allowing you to switch between cardioid and omnidirectional pickup patterns. This adaptability is useful for various recording scenarios.

- **Cardioid:** Focuses on sound directly in front of the microphone, reducing side and rear noise. Ideal for interviews or solo speaking.
- **Omnidirectional:** Captures sound from all directions, suitable for group discussions or ambient sound.

Dual Internal Mics



Cardioid



Omnidirectional

Image: Illustrations demonstrating the cardioid and omnidirectional pickup patterns of the COMICA BooMax microphones, with examples of use cases like a person speaking directly into the mic (cardioid) and a person in a group setting (omnidirectional).

4. IPS Touchscreen and Precision Dial

The receiver features a 1.08-inch IPS touchscreen and an intuitive control dial for easy adjustment of settings. You can monitor volume, battery status, audio modes, and more directly from the screen.

Studio-Grade Audio

48kHz/32-Bit Float Recording
CalMix® Dual-Stage Noise Reduction



48kHz/32-bit
Float Recording



CalMix® AI
Denoise



Internal
Dual Mics



Cardioid/Omnidirectional
Pattern Switch

Image: A close-up of the COMICA BooMax receiver's IPS touchscreen and precision dial, showing various settings and monitoring options.

5. App Control (Comica Audio App)

Connect the BooMax system to the Comica Audio app via Bluetooth for remote control and monitoring. The app allows you to adjust gain, tweak settings, and monitor recording status from your smartphone.



Image: A smartphone displaying the Comica Audio app interface, showing controls for the BooMax receiver and transmitters, including gain adjustment, monitoring, and recording status.

6. CalMix Dual-Stage Noise Reduction

The exclusive CalMix technology provides advanced two-stage noise cancellation, effectively reducing background noise in various environments. This feature can be activated directly on the microphone or via the receiver.

7. Real-Time Monitoring

Monitor your audio in real-time using the 3.5mm headphone jack on the receiver. This allows you to ensure optimal audio levels and quality during recording.

8. Output Modes (Mono, Stereo, Safety Track)

The BooMax system offers flexible output modes to suit your recording needs:

- **Mono:** Combines both transmitter audio channels into a single mono track.
- **Stereo:** Separates the audio from each transmitter into distinct left and right channels.
- **Safety Track:** Records a secondary track at a lower gain level (-6dB) as a backup against unexpected audio peaks.



Image: A visual representation of the Mono, Stereo, and Safety Track output modes, showing how audio waveforms are combined or separated.

9. EQ Settings

Adjust the audio equalization (EQ) settings directly from the receiver's touchscreen to optimize sound for different environments or vocal characteristics. Options typically include Low Cut, High Fidelity, and High Frequency Boost.



Image: The receiver's screen displaying EQ options: Low Cut, High Fidelity, and High Frequency Boost.

10. Additional Features

- **Mute Control:** Quickly mute the microphone directly from the transmitter or receiver.
- **Adjustable Gain:** Fine-tune the input sensitivity to match your audio source and prevent clipping.
- **External Mic Input:** Each transmitter includes an external 3.5mm TRS input for connecting a lavalier microphone (not included) for discreet placement.

MAINTENANCE

1. Cleaning

Wipe the devices with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials. Keep the charging contacts clean and free of debris.

2. Storage

Store the BooMax system in its charging case and carrying pouch when not in use to protect it from dust and damage. Store in a cool, dry place.

3. Firmware Updates

Periodically check the COMICA official website for firmware updates. Firmware updates can improve performance, add new features, and resolve potential issues. Follow the instructions provided on the website for updating the firmware.

TX Firmware Update Tip(REC)

In rare cases, audio recorded via the transmitter's built-in REC feature may result in a blank or incomplete file.

To ensure optimal recording performance, please download the latest firmware from the COMICA officialWeb.



BooMax Upgrade Firmware Package

BooMax_TX_V1_1_0 |

Update Time: 2025-06-09

Image: An informational graphic stating that in rare cases, recorded audio may be incomplete, and recommends downloading the latest firmware from the COMICA official website. It shows "BooMax Upgrade Firmware Package BooMax_TX_V1_1_0 | Update Time: 2025-06-09".

TROUBLESHOOTING

This section addresses common issues you might encounter with your COMICA BooMax system.

1. No Audio Output

- Ensure both transmitters and the receiver are powered on and properly paired.
- Check all cable connections (USB-C, Lightning, 3.5mm TRS) to your recording device.
- Verify the receiver's output volume and the input levels on your recording device.
- Confirm that the transmitters are not muted.

2. Poor Audio Quality / Interference

- Ensure the transmitters are within the optimal operating range (up to 250 meters / 820 ft in open environments).
- Minimize obstructions between the transmitters and receiver.
- Activate the CalMix Dual-Stage Noise Reduction feature.
- Check for other 2.4GHz devices nearby that might cause interference.
- Adjust EQ settings on the receiver if necessary.

3. Internal Recording Failure (Corrupted Files)

- Ensure the transmitter has sufficient battery life during recording.
- Verify that the internal storage is not full.
- **Important:** Download and install the latest firmware from the COMICA official website. Outdated firmware can sometimes lead to recording issues.
- If issues persist, contact COMICA customer support.

4. Touchscreen Unresponsive or Overly Sensitive

- Ensure your fingers are clean and dry when operating the touchscreen.
- Restart the receiver.
- Check for firmware updates, as software improvements can address touchscreen responsiveness.

SPECIFICATIONS

Feature	Detail
Model Name	BooMax
Brand	COMICA
Connectivity Technology	2.4Ghz, Wireless
Microphone Form Factor	Lavalier
Number of Channels	2
Signal-to-Noise Ratio	70 dB
Recording Quality	48kHz/32-bit Float
Internal Storage	32GB per transmitter (up to 40 hours)
Pickup Patterns	Cardioid, Omnidirectional
Display	1.08" IPS Touchscreen
Wireless Range	Up to 250 meters (820 ft) in open environments
Battery Type	Lithium Polymer

Feature	Detail
Power Source	Battery Powered
Compatible Devices	Camcorder, Camera, Laptop, Personal Computer, Smartphone
Connector Type	3.5 mm Jack, USB Type-C
Item Weight	1.21 pounds (total package)
Package Dimensions	6.93 x 3.94 x 3.5 inches




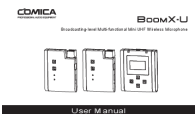
WARRANTY AND SUPPORT

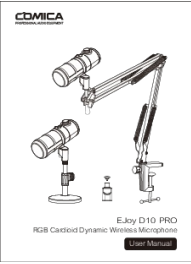

For warranty information and technical support, please refer to the official COMICA website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Online Support: Visit the [COMICA Store on Amazon](#) for product information and support resources.

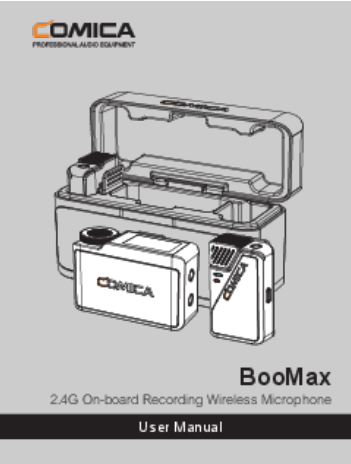


Related Documents - BooMax

	<p>Comica Vimo Q User Manual: Four-Channel Mini Wireless Microphone System</p> <p>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.</p>
	<p>Comica BooMax 2.4G Wireless Microphone User Manual</p> <p>Comprehensive user manual for the Comica BooMax 2.4G On-board Recording Wireless Microphone, detailing features, setup, usage, and specifications.</p>
	<p>Comica Vimo S-UC 2.4G Dual-channel Mini Wireless Microphone User Manual</p> <p>Comprehensive user manual for the Comica Vimo S-UC 2.4G Dual-channel Mini Wireless Microphone. Learn about features, setup, usage, troubleshooting, and specifications for professional audio recording.</p>
	<p>COMICA BoomX-U UHF Wireless Microphone User Manual</p> <p>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.</p>

	<p>Comica EJoy D10 PRO RGB Cardioid Dynamic Wireless Microphone User Manual</p> <p>Comprehensive user manual for the Comica EJoy D10 PRO, a wireless RGB cardioid dynamic microphone. This guide covers main features, components, installation, usage instructions for wired and wireless modes, and technical specifications.</p>
	<p>COMICA BoomX-D MI 2.4G Digital Dual-Channel Wireless Microphone User Manual</p> <p>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.</p>

Documents - COMICA – BooMax



[\[pdf\]](#) User Manual Specifications Catalog

108 BooMax 20250603 4 gju 2025 — User Manual*1 Wind Muff*2 Receiver RX *1 Charging Case*1 3 5mm TRS If the Bluetooth pairing fails or device needs to be connected a new 202506041533274544 cn ica audio upload 202506 04 |||

BooMax 2.4G On-board Recording Wireless Microphone User Manual Catalogue

Foreword 1 Main Features 1 Notice 1 Packing List 2 Components and Instruction 3 TransmitterTX 3 ReceiverRX 5 Charging Case 6 Installation and Use 7 Pairing 7 Usage 8 Transmitter TX 8 Receiver RX ...

lang:en score:38 filesize: 15.17 M page_count: 44 document date: 2025-06-03



	
Applicant's name	

[\[pdf\]](#) Test Report

Measurement Report Kent Test Report1 Shenzhen Commlite Technology Co LTD IRAY DW40 2 4G Wireless Microphone 2AZSQ 2AZSQIRAYDW40 iray dw40

Shenzhen CTL Testing Technology Co., Ltd. Tel: 86-755-89486194 E-mail: ctl ctl-lab.com TEST REPORT ... : iRay DW40 List Model s : iRay DW10, Vimo Q, Vimo Me, BooMax, VM40, EJoy Uni Pro, EJoy D10 Pro, Revo S Pro, WM400 Trade Mark.....

lang:en score:14 filesize: 3.71 M page_count: 36 document date: 2024-07-08