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COMICA VM40 Combo

COMICA VM40 Combo Shotgun Microphone User Manual

MODEL: VM40 COMBO | BRAND: COMICA

Introduction

The COMICA VM40 Combo is a versatile super cardioid dual-channel wireless shotgun microphone system. Designed for professional audio recording, it offers both wired and wireless connectivity, making it compatible with a wide range of devices including cameras, smartphones, and PCs. Its advanced features ensure high-quality sound capture and flexibility for various production needs.

What's in the Box

Your COMICA VM40 Combo package includes the following components:

COMICA



Figure 1: Complete package contents.

- Shotgun Microphone (Transmitter) *2: Two units of the main shotgun microphone, which also act as transmitters.
- Receiver *1: One receiver unit to pair with the microphones for wireless operation.
- 2 in 1 Charging & Output Cable *1: A versatile cable for charging and audio output.
- 3.5mm TRS-TRS Audio Output Cable *1: For connecting to cameras and other devices with TRS inputs.
- 3.5mm TRRS-TRRS Audio Output Cable *1: For connecting to smartphones and devices with TRRS inputs.
- 3 in 1 Charging Cable *1: A multi-connector charging cable.
- Shock Mount *2: Two shock mounts to reduce handling noise and vibrations.
- 3/8 Male to 5/8 Female Stand Adapter *2: Adapters for mounting on various stands.
- 5/8 Male to 3/8 Female Screw *2: Screws for additional mounting flexibility.
- 3/8 Male to 1/4 Female Screw *2: Screws for additional mounting flexibility.
- Windscreen *2: Two foam windscreens for basic wind noise reduction.
- Wind-muff *2: Two furry wind-muffs (dead cats) for superior wind noise reduction in outdoor environments.
- Pin *1: A small pin, likely for resetting or accessing a SIM tray-like slot.
- Carry Case *1: A durable case for storing and transporting all components.

- User Manual *1: This instruction manual.

Setup

The VM40 Combo offers flexible setup options for various recording scenarios. Both the shotgun microphone (transmitter) and the receiver support USB-C digital output and 3.5mm TRS/TRRS analog output, ensuring wide compatibility.

Connecting to Devices:

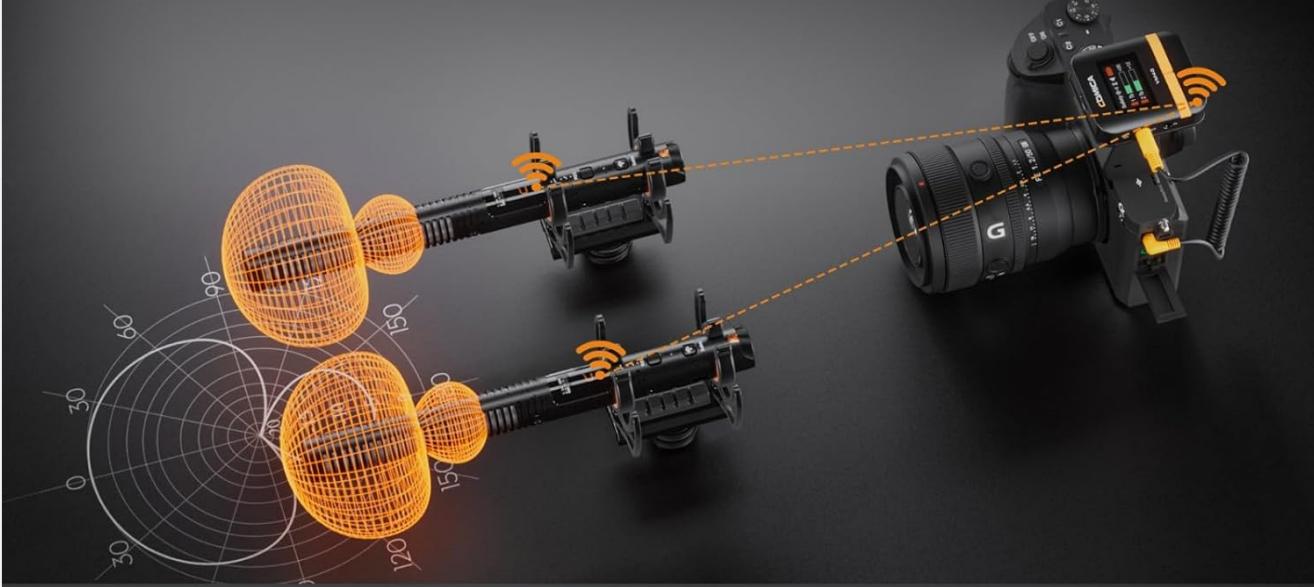
- **For Cameras:** Use the 3.5mm TRS-TRS audio output cable to connect the receiver to your camera's microphone input.
- **For Smartphones:** Use the 3.5mm TRRS-TRRS audio output cable for direct connection to smartphones.
- **For PCs:** Utilize the USB-C digital output for direct connection to computers.



Figure 2: Typical setup with a camera.

Dual-channel Wireless Shotgun Mic, 14mm Gold-plated Capsule

The shotgun microphone innovatively integrates a wireless RF module to support wireless transmission and single/dual channel options, providing a more flexible solution for professional recording. 14mm gold-plated mic capsule adopts super cardioid polar pattern to accurately pick up original sound and avoid the surrounding noise, presenting fuller, brighter, and crisper high-fidelity sound quality.



48kHz/32-bit Float Recording, Wired/Wireless Dual Modes

The industry's advanced 48kHz/32-bit float recording provides extremely high audio quality and dynamic range that supports lossless audio adjustment in post-production, which meets the needs of high-sensitivity audio production, such as music production, film dubbing, professional interviews, and broadcasting. The wired and wireless transmissions are available in sync to support multiple devices' output.



Figure 3: Digital and analog output options.

Powering On:

The shotgun microphone supports automatic power on/off when connecting/disconnecting the output device. Both the shotgun microphone and receiver support auto-sensing TRS/TRRS plug to output analog audio, simplifying the power management.

Operating Instructions

The VM40 Combo is designed for intuitive operation with advanced features for optimal audio quality.

48kHz/32-bit Float Recording:

The industry's advanced 48kHz/32-bit float recording provides extremely high audio quality and dynamic range. This feature supports lossless audio adjustment in post-production, meeting the needs of high-sensitivity audio production for music, film dubbing, professional interviews, and broadcasting. Both wired and wireless transmissions are available in sync to support multiple devices' output.

Support One-key Denoise/Low-cut/High-frequency Boost

CalMix® denoise precisely reduces background noise and improves audio quality. The low-cut function filters the audio below 100Hz in the microphone signal to reduce low-frequency noise. The high-frequency boost enhance the high-frequency part of the microphone signal to make the sound clearer and brighter.

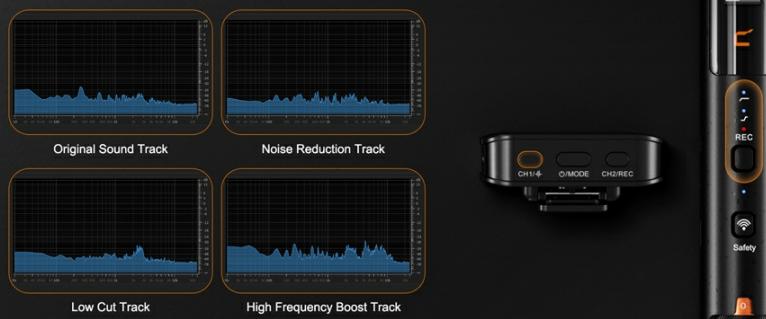


Figure 4: 32-bit float recording capability.

On-board Storage:

Built-in 32GB storage can store up to 40 hours of uncompressed audio. This allows users to back up audio during shooting and recording, or use the microphone as a standalone recorder, ensuring audio integrity and making creation more secure.

32G On-board Recording for 40-hour Audio Storage

Built-in 32GB storage can store up to 40 hours of uncompressed audio. Users can back up the audio during shooting and recording, or use the microphone as a recorder. It ensures audio integrity, making creation more secure.



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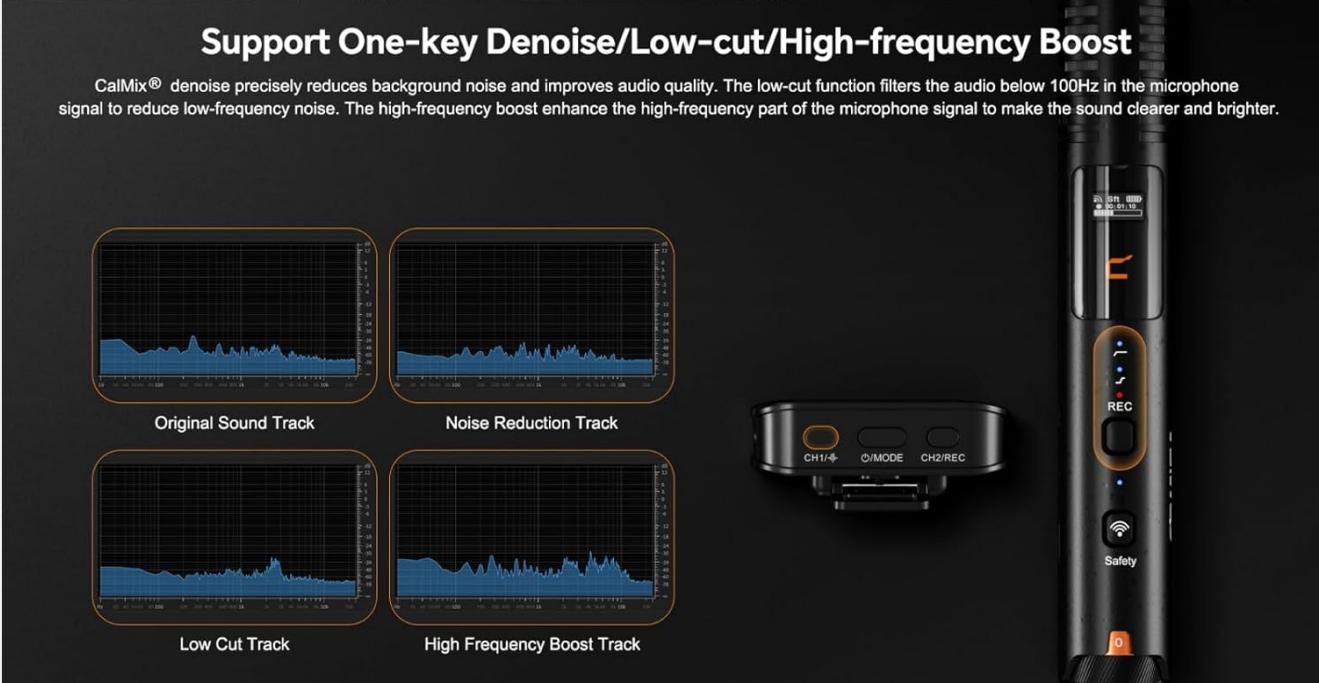


Figure 5: 32GB internal storage.

One-key Denoise/Low-cut/High-frequency Boost:

CalMix® denoise precisely reduces background noise and improves audio quality. The low-cut function filters audio below 100Hz to reduce low-frequency noise, while the high-frequency boost enhances the high-frequency part of the microphone signal for clearer and brighter sound.

Intelligent Power Switch and Auto-sensing 3.5mm Output

The shotgun microphone supports automatically power on/off when connecting/disconnecting the output device, which is plug-and-play and power-saving. Both of the shotgun microphone and receiver supports auto-sensing TRS/TRRS plug to output analog audio.



Working Range Up to 200m, Stable & Low Latency(Open Area)

The wireless transmission distance is up-to 200m in an open area and is stable without dropouts.
Less than 20ms latency makes the audio transmission high efficient and synchronized with the video.



Figure 6: Audio processing features.

OLED Screen for Monitoring:

Both the transmitter and the receiver feature a high-definition OLED screen to display battery power, wireless status, audio dynamics, channel mode, gain level, and other intuitive data feedback during recording.

OLED Screen for Monitoring and Visual Operation

Both of the transmitter and the receiver has a high-definition screen to display battery power, wireless status, audio dynamics, channel mode, gain level, etc, providing users with intuitive data feedback during recording.



Exclusive Comica Audio APP for More Functions

Official Comica Audio App has iOS and Android versions that can connect to VM40 via smartphone Bluetooth. Users can operate the shotgun microphone and receiver through the App. It supports remote monitoring of microphone status, changing settings, managing multiple devices by scene, etc.

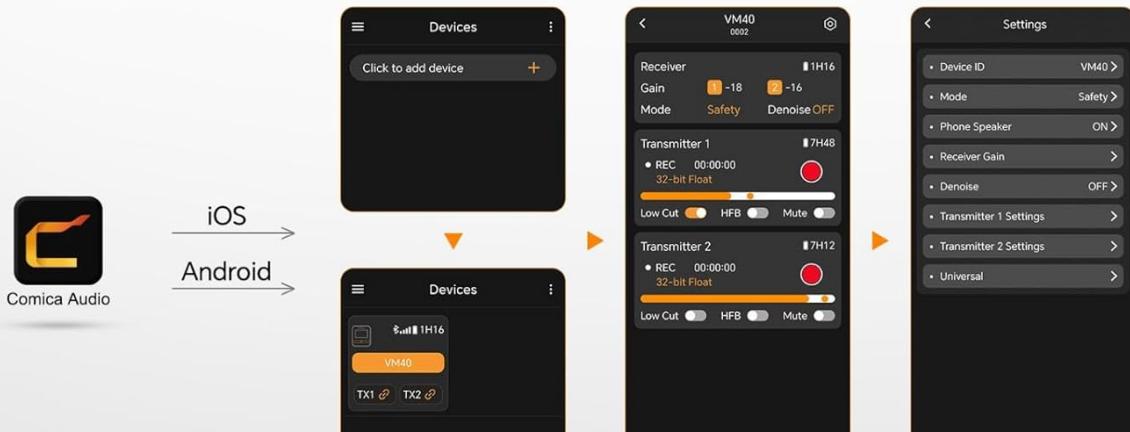


Figure 7: OLED display for real-time monitoring.

Exclusive Comica Audio APP:

The official Comica Audio App is available for iOS and Android devices, connecting to the VM40 via smartphone Bluetooth. Users can operate the shotgun microphone and receiver through the App, supporting remote monitoring of microphone status, changing settings, and managing multiple devices by scene.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your COMICA VM40 Combo.

Battery Life:

The VM40 supports long battery life and charging while in use. In wired mode, it lasts up to 32 hours. In wireless mode, it lasts up to 10 hours. This allows users to focus on creation without worrying about battery power.



Figure 8: Battery performance.

Shock-mount & Windproof Accessories:

The included shock mount reduces or eliminates noise caused by vibration and collision, ensuring quality recording. The equipped high-density windscreens and wind-muff effectively filter various noises and ensure clear reception, especially when shooting outdoors.



Figure 9: Wind-muff accessory.

General Care:

- Keep the product clean and free from dust.

- Avoid extreme temperatures and humidity.
- Store the microphone and accessories in the provided carry case when not in use.

Troubleshooting

If you encounter issues with your COMICA VM40 Combo, refer to the following common problems and solutions:

- **No Audio Output:**

- Ensure all cables are securely connected.
- Check battery levels of both microphone and receiver.
- Verify correct input selection on your camera/smartphone/PC.
- Confirm the microphone and receiver are properly paired in wireless mode.

- **Poor Audio Quality (Noise/Distortion):**

- Ensure the microphone is positioned correctly relative to the sound source.
- Activate the one-key denoise function.
- Use the low-cut filter to reduce low-frequency rumble.
- For outdoor use, attach the windscreen or wind-muff.
- Adjust the gain level on the microphone or receiver to avoid clipping.

- **Wireless Interference:**

- Ensure the operating distance is within the specified 200m (open area) range.
- Avoid physical obstructions between the transmitter and receiver.
- Minimize other wireless devices operating on similar frequencies nearby.

Specifications

Brand	COMICA
Model Name	Comica CVM-VM40 Combo
Microphone Form Factor	Shotgun
Polar Pattern	Super Cardioid
Audio Sensitivity	38 dB
Signal-to-Noise Ratio	75 dB
Frequency Range	20 Hz - 20 KHz
Number of Channels	2
Connectivity Technology	UHF, Auxiliary, USB
Connector Type	USB, 3.5 mm Jack
Power Source	Battery Powered (1 Lithium Ion battery included)
Item Weight	2.82 pounds (1.28 Kilograms)

Product Dimensions (L x W x H)	11.02 x 7.48 x 5.91 inches
Hardware Platform	PC, Camera, Smartphone
Color	Black

Safety Warnings

Please observe the following safety precautions to ensure proper and safe use of your device:

- Do not place the product near fire or flammable gases.
- Do not use in rain or humid environments.
- Keep the product out of reach of children.
- Do not disassemble at will. If repair is required, the product must be sent to an authorized repair center.

Warranty and Support

Your COMICA VM40 Combo comes with a Warranty Card included in the package. Please refer to the card for detailed warranty information and terms.

For further assistance, troubleshooting, or product inquiries, please visit the [COMICA Store on Amazon](#) or consult the included User Manual.