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COMICA CVM-VM10II

COMICA CVM-VM10II Directional Microphone Instruction Manual

Model: CVM-VM10II

Features	Setup	Operating	Introduction	What's in the Box	Key	Troubleshooting	Specifications	Warranty & Support
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1. INTRODUCTION

The COMICA CVM-VM10II is a compact cardioid shotgun microphone designed to enhance audio quality for video recording on various devices. Its directional pickup pattern helps to focus on the sound source directly in front of the microphone, reducing unwanted background noise. Constructed from durable aluminum, it offers excellent anti-interference capabilities and features a professional shock-absorption stand to minimize handling noise. This microphone is battery-free, drawing power directly from the connected device, making it a convenient plug-and-play solution for content creators.

2. WHAT'S IN THE Box

Please verify that all items are present upon unboxing:

- 1 x CVM-VM10II Microphone
- 1 x Carrying Case
- 1 x Windscreen (foam)
- 1 x Windmuff (dead cat)
- 1 x 3.5mm (TRRS) Smartphone Audio Cable
- 1 x 3.5mm (TRS) Camera Audio Cable
- 1 x English User's Manual

WHAT'S IN THE BOX ?



CVM-VM10II
Microphone



Shock-Mount



Wind Screen



Wind Muff

TRS Camera
Cable



TRRS
Smartphone
Cable



Carry Case

Image: All components included in the COMICA CVM-VM10II package. This includes the microphone, shock mount, foam windscreens, furry windmuff, TRS camera cable, TRRS smartphone cable, and a protective carrying case.

3. KEY FEATURES

- Cardioid Polar Pattern:** The CVM-VM10II shotgun microphone features a cardioid polar pattern, which provides excellent off-axis rejection. This design effectively reduces ambient noise, focusing audio capture on the desired sound source directly in front of the microphone.
- Super Anti-Interference:** Constructed from 100% aluminum material, the microphone's body strengthens its anti-interference function. This helps to reduce noise caused by vibrations and electromagnetic interference, ensuring cleaner audio recordings.
- Professional Shock-absorption Stand:** The included shock-absorption stand is designed to minimize vibration noise. This is crucial for video shooting, as it prevents unwanted sounds from camera handling or movement from being picked up by the microphone.
- Universal Compatibility:** The microphone comes with both 3.5mm TRRS (for smartphones) and 3.5mm TRS (for

cameras) audio cables. This allows compatibility with most cameras, camcorders, iPhone and Android smartphones, tablets, and laptops with a 3.5mm mic input jack. *Note: For iPhone 7 and above, an original iPhone adapter cable is required. Not compatible with Canon T6.*

- **Battery-Free Design:** The CVM-VM10II operates without internal batteries, drawing power directly from the connected device. This plug-and-play functionality simplifies setup and eliminates the need for battery management.



Image: Visual representation of the microphone's key features, including its cardioid pickup, battery-free operation, cold-shoe mount for camera attachment, and integrated shock mount for vibration reduction.

4. SETUP

1. **Attach Shock Mount:** Secure the microphone into the professional shock-absorption stand.
2. **Mount Microphone:** Use the 1/4-inch external port or the cold-shoe mount on the shock stand to attach the microphone to your camera, camcorder, or smartphone rig.
3. **Select Audio Cable:**
 - For cameras/camcorders: Use the 3.5mm TRS (Camera Audio Cable).
 - For smartphones/tablets: Use the 3.5mm TRRS (Smartphone Audio Cable).
4. **Connect Cable:** Plug the appropriate audio cable into the microphone's output port and then into your device's 3.5mm microphone input jack.
5. **Apply Wind Protection (Optional):** For indoor use, slide on the foam windscreens. For outdoor use or windy conditions, apply the furry windmuff over the foam windscreens for maximum wind noise reduction.

WHICH ADAPTER DO YOU NEED?

3.5mm TRS



Adapter included in kit.

3.5mm TRRS



Adapter included in kit.

Lightning



Not included.

USB C



Not included.



3.5mm TRS Cable
Cameras and Recorders



3.5mm TRRS Cable
Smartphones and Tablets



Image: Guide to selecting the correct audio adapter. The microphone includes 3.5mm TRS for cameras/recorders and 3.5mm TRRS for smartphones/tablets. Lightning and USB-C adapters are not included and must be provided by the user for compatible devices.

5. OPERATING INSTRUCTIONS

The COMICA CVM-VM10II is a plug-and-play microphone. Once correctly connected to your device, it will draw power and begin capturing audio. Ensure your device's audio input settings are configured to use the external microphone.

- Positioning:** For optimal sound quality, position the microphone directly towards your desired sound source. The cardioid pattern is most effective when the source is in front of the mic.
- Monitoring (if device supports):** If your recording device (e.g., some cameras or external audio recorders) has a headphone output, you can monitor the audio in real-time to ensure proper levels and clarity.
- Wind Noise Reduction:** Always use the foam windscreens indoors. For outdoor recordings, especially in windy conditions, attach the furry windmuff to significantly reduce wind noise.



PLUG AND USE

Comes with nice carry box and good build quality, convenient to carry and get great audio, significantly improved audio quality on your devices

Image: The COMICA CVM-VM10II microphone mounted on a DSLR camera, demonstrating its use for capturing professional audio in a video recording scenario.

Video: A sound comparison between a built-in iPhone microphone and the COMICA CVM-VM10II microphone, demonstrating the audio quality difference in an outdoor setting. This video is provided by a seller and is relevant for understanding microphone performance.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphone body and accessories. Avoid using liquid cleaners or solvents.
- **Storage:** When not in use, store the microphone and its accessories in the provided carrying case to protect them from dust, moisture, and physical damage.
- **Handle with Care:** Although built with durable aluminum, avoid dropping the microphone or subjecting it to harsh impacts, which could damage internal components.

7. TROUBLESHOOTING

- **No Audio/Low Volume:**

- Ensure the correct audio cable (TRS for camera, TRRS for smartphone) is used and fully inserted into both the microphone and the recording device.
- Check your device's audio input settings to confirm the external microphone is selected and input levels are adequate.
- For iPhones 7 and newer, ensure you are using an original Apple Lightning to 3.5mm adapter. Third-party adapters may not support external microphones.

- **Excessive Background Noise:**

- Verify the microphone is pointed directly at the sound source.
- Ensure the foam windscreens are used indoors. For outdoor or windy conditions, use the furry windmuff.
- The aluminum construction helps with anti-interference, but avoid placing the microphone near strong electromagnetic sources if possible.

- **Handling Noise:**

- Confirm the microphone is securely seated in the shock-absorption stand.
- Minimize direct contact with the microphone or camera during recording to prevent vibrations from being picked up.

8. SPECIFICATIONS

Polar Pattern	Unidirectional (Cardioid)
Microphone Form Factor	Shotgun Microphone
Connectivity Technology	Auxiliary (3.5mm Jack)
Material	Metal
Power Source	Powered by the device (Battery-free)
Audio Sensitivity	10 Decibels
Signal-to-Noise Ratio	75 dB
Frequency Response	100 Hz
Item Weight	7.8 ounces (222 Grams)
Product Dimensions (L x W x H)	4.02 x 2.52 x 7.48 inches
Compatible Devices	Camcorder, Camera, Smartphone, Tablet

9. WARRANTY & SUPPORT

For warranty information or technical support, please refer to the official COMICA website or contact your retailer. Keep your purchase receipt as proof of purchase.

