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COMICA VM30

COMICA VM30 Wireless Shotgun Microphone User Manual

Model: VM30

1. OVERVIEW

The COMICA VM30 is a versatile wireless shotgun microphone designed for high-quality audio recording across various devices. It supports both wired and wireless operation, offering flexible connectivity options including 3.5mm and USB-C analog/digital outputs. This microphone is suitable for use with DSLR cameras, camcorders, PCs, and Android smartphones, making it ideal for content creation such as YouTube videos, podcasts, and interviews. Key features include a supercardioid pickup pattern, low-cut filter modes, high-frequency enhancement, and a long-lasting rechargeable battery.



Image: The COMICA VM30 Wireless Shotgun Microphone main unit.

Video: Overview of the COMICA VM30 Shotgun Microphone, highlighting its professional wireless capabilities. (Duration: 0:55)

2. PACKAGE CONTENTS

The COMICA VM30 package includes the following items:

- VM30 Microphone & Receiver
- Windscreen & Wind Muff
- USB-C Charging Cable
- 3.5mm TRS/TRRS Audio Cables
- Microphone Clip



Image: All included components of the COMICA VM30 package, neatly arranged in its protective carrying case.

3. PRODUCT FEATURES

- **Flexible Dual-mode Recording:** Supports both wired and wireless modes for diverse recording scenarios.
- **Wide Compatibility:** Features digital (USB-C) and analog (3.5mm) output interfaces for compatibility with DSLR cameras, camcorders, PCs, and Android smartphones.
- **Sound Optimization:** Includes two low-cut filter modes (75Hz and 150Hz) and a high-frequency enhancement function to improve sound clarity and detail.
- **Supercardioid Pickup Pattern:** Utilizes a 48kHz/24bit supercardioid pattern to accurately capture the sound source and minimize environmental noise.
- **Long-lasting Battery:** Built-in rechargeable lithium battery provides up to 50 hours in wired mode and 7 hours in wireless mode, with support for charging during use.
- **Low Latency & Long-distance Transmission:** Offers low latency (less than 20ms) and a wireless transmission range of up to 328 feet (100 meters).



Image: The COMICA VM30 supports both wired and wireless dual recording modes.

Video: Demonstrating the 2.4G Super Cardioid Condenser Wireless Shotgun Microphone's features. (Duration: 2:03)

4. SETUP

Follow these steps to set up your COMICA VM30 microphone:

1. **Mounting:** Attach the microphone to your camera's hot shoe using the provided shock mount or microphone clip. Ensure the microphone is securely fastened.
2. **Connecting Cables:**
 - For cameras: Use the 3.5mm TRS audio cable to connect the microphone's output port to your camera's microphone input.
 - For smartphones/PCs: Use the USB-C charging/output cable to connect the microphone to your device. An OTG audio adapter cable may be required for some smartphones.
3. **Power On:** The microphone features an automatic on/off function. When connected via 3.5mm or USB-C, it will intelligently detect the output and power on/off with your device. Alternatively, press and hold the power button to manually turn it on.
4. **Wireless Pairing (if applicable):** If using wireless mode, the microphone and receiver will auto-pair upon activation. Ensure both units are powered on and within range.



Adjustable Stepless Gain Knob

Features 10-level Gain on Transmitter and 12-level Gain on Receiver

Image: The COMICA VM30 microphone mounted on a camera with its receiver for wireless operation.

Digital/ Analog Output

VM30 has USB-C digital and 3.5mm analog output interfaces, and receiver has 3.5mm analog output.



Image: The COMICA VM30 microphone and receiver connected to a smartphone for mobile recording.

5. OPERATING INSTRUCTIONS

To ensure optimal audio quality, familiarize yourself with the microphone's operating controls:

1. **Power On/Off:** Press and hold the power button to manually turn the microphone on or off. In wired mode, it can auto-switch with your device.
2. **Mode Switching:** The VM30 supports both wired and wireless modes. The microphone will automatically detect the connection type.
3. **Gain Adjustment:** Use the stepless gain knob on the microphone to adjust the input level. The receiver also supports 12-level gain adjustment. Monitor the audio levels on the OLED screen to prevent clipping.
4. **Low-cut Filter:** Press the low-cut filter button to cycle between 75Hz, 150Hz, and off. This helps reduce unwanted low-frequency noise.
5. **High-frequency Enhancement:** Activate this function to boost high frequencies, enhancing clarity and detail in your

audio.

6. **Safety Mode:** Utilize the safety mode feature for additional audio protection during recording.
7. **Real-time Monitoring:** Plug headphones into the receiver's 3.5mm jack to monitor your audio in real-time.
8. **One-key Muting:** Use the dedicated mute button for quick and easy muting of the microphone.



Image: The adjustable stepless gain knob on the COMICA VM30 microphone allows for precise audio level control.

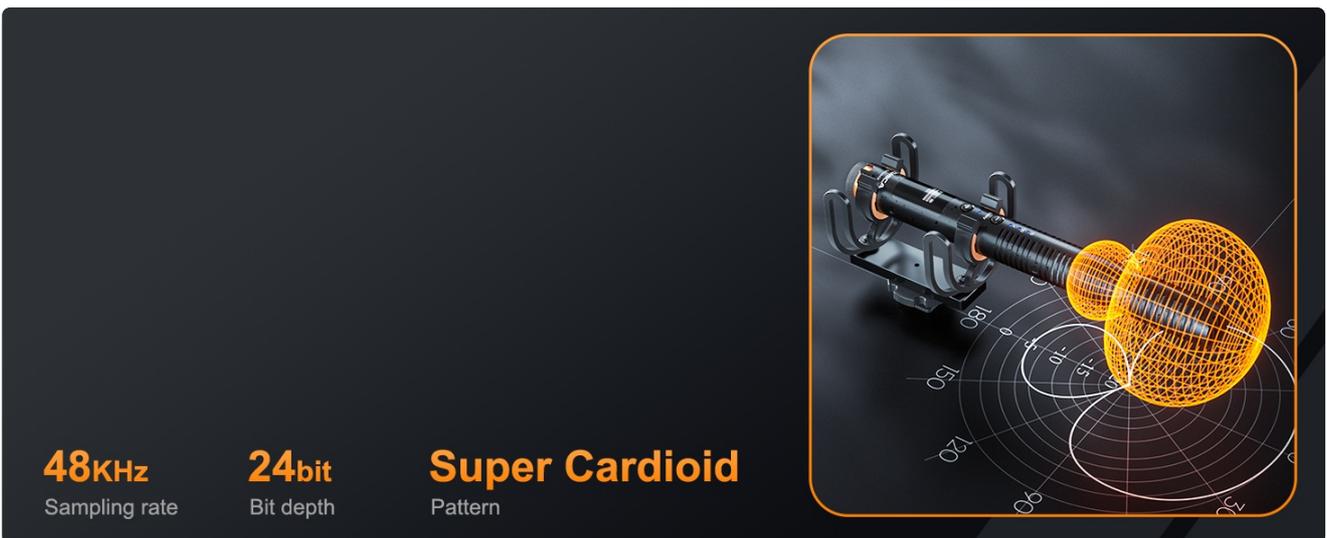


Image: Multi-function features of the COMICA VM30, including one-key muting, IPS rotatable screen, and real-time monitoring.

Video: Demonstration of the COMICA VM30 Wireless Shotgun Microphone in use. (Duration: 0:44)

6. CONNECTIVITY

The COMICA VM30 offers versatile connectivity options:

- **3.5mm Analog Output:** Connects to cameras and camcorders using the provided 3.5mm TRS audio cable.
- **USB-C Digital Output:** Connects to PCs and Android smartphones using the USB-C charging/output cable. This provides a direct digital audio signal.
- **2.4G Wireless Transmission:** The integrated wireless module provides stable and low-latency transmission up to 100 meters (328 feet). The microphone and receiver auto-pair for convenience.



Image: The COMICA VM30 offers both digital (USB-C) and analog (3.5mm) output options for broad compatibility.



Image: The COMICA VM30 provides reliable wireless transmission up to 100 meters.

7. AUDIO QUALITY

The COMICA VM30 is engineered for high-fidelity audio capture:

- **Supercardioid Pattern:** Focuses audio capture directly in front of the microphone, effectively reducing ambient noise from the sides and rear.
- **48kHz/24bit Recording:** Delivers broadcast-quality sound with excellent detail and dynamic range.
- **Low-cut Filters:** Selectable 75Hz or 150Hz low-cut filters help eliminate unwanted low-frequency rumble and handling noise.
- **High-frequency Boost:** Enhances vocal clarity and presence, especially useful when using the wind muff.

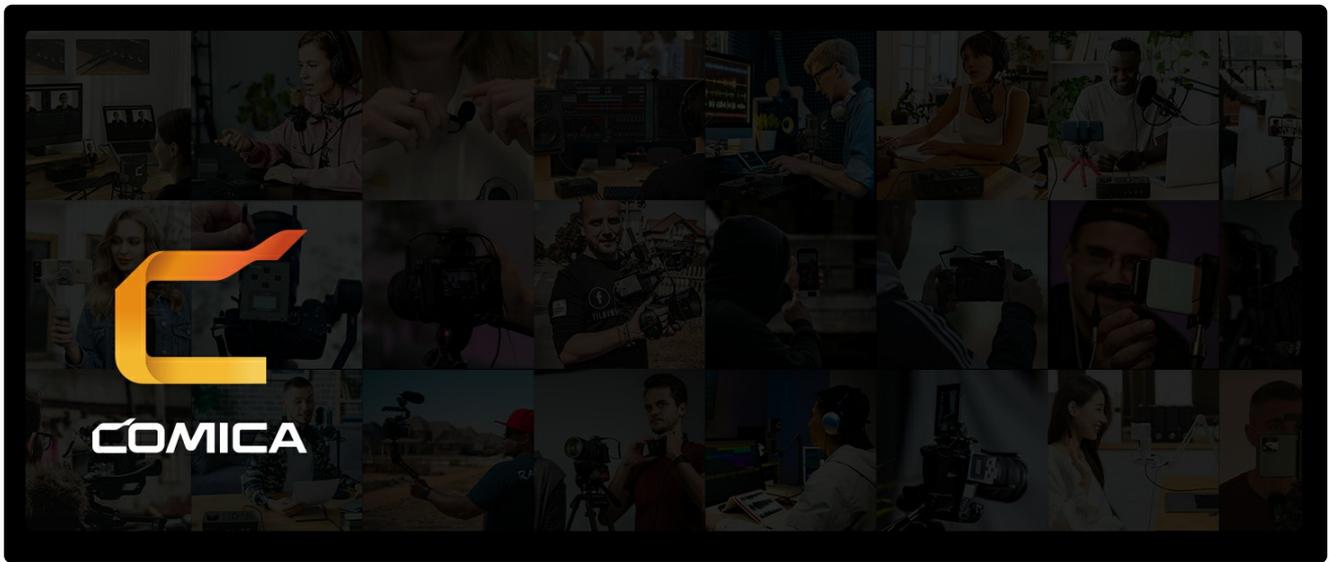


Image: The supercardioid pickup pattern of the COMICA VM30 effectively isolates the main sound source.



Image: Visual representation of the low-cut filter and high-frequency boost effects on audio waveforms.

Video: A demonstration of the COMICA VM30's audio quality. (Duration: 1:26)

Video: An audio test of the VM30 microphone. (Duration: 8:05)

8. BATTERY AND CHARGING

The VM30 is equipped with a built-in rechargeable Lithium Polymer battery:

- **Battery Life:** Enjoy up to 50 hours of operation in wired mode and up to 7 hours in wireless mode on a full charge.
- **Charging:** The microphone charges via a USB-C port. Use the provided USB-C charging cable.
- **Charge While Using:** The VM30 supports charging while in operation, ensuring uninterrupted recording sessions.
- **Battery Level Indicator:** The OLED screen on the microphone displays the current battery level, allowing you to monitor usage.

9. MAINTENANCE

To maintain the performance and longevity of your COMICA VM30 microphone:

- **Cleaning:** Use a soft, dry cloth to clean the microphone body and receiver. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the microphone and its accessories in the provided carrying case when not in use to protect them from dust and physical damage.
- **Wind Muff/Windscreen:** Regularly clean the wind muff and windscreen. Replace them if they become damaged or lose effectiveness in reducing wind noise.
- **Antenna Position:** When using in wireless mode, ensure the antenna position is not blocked to avoid poor signal generation.

Capture every sound with Comica VM30

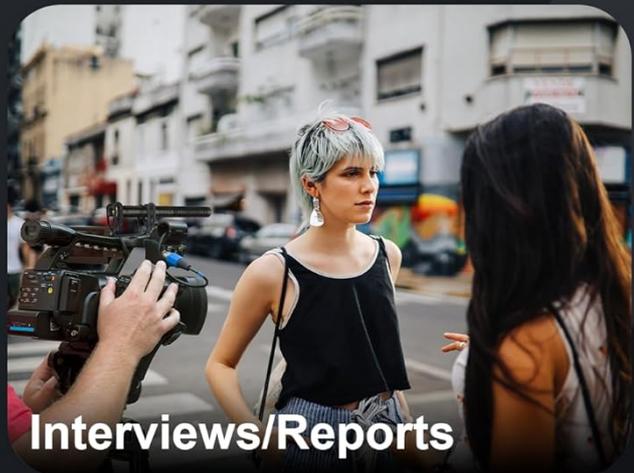


Image: The COMICA VM30 microphone with its furry wind muff for outdoor use.



Image: Proper handling to ensure the antenna is not blocked during wireless operation.

10. TROUBLESHOOTING

If you encounter issues with your COMICA VM30, consider the following:

- **Poor Audio Quality/Background Noise:**

- Adjust the gain levels on both the microphone and receiver.
- Activate the appropriate low-cut filter (75Hz or 150Hz) to reduce low-frequency rumble.
- Ensure the microphone is positioned correctly, utilizing its supercardioid pattern to focus on the desired sound source.
- For outdoor use, ensure the wind muff is properly installed. Consider a higher-quality windscreen if wind noise persists.

- **No Audio Output:**

- Verify that both the microphone and receiver are powered on and have sufficient battery.
- Check all cable connections (3.5mm, USB-C) to ensure they are secure and correctly inserted.
- Confirm that the correct input is selected on your recording device (camera, smartphone, PC).
- In wireless mode, ensure the microphone and receiver are paired and within the effective transmission range.

- **Intermittent Wireless Signal:**

- Ensure there are no obstructions between the microphone and receiver.
- Avoid blocking the microphone's antenna with your hand or other objects.
- Reduce the distance between the microphone and receiver.

11. SPECIFICATIONS

Microphone Form Factor	Shotgun
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Polar Pattern	Super Cardioid
Connectivity Technology	Wireless and Wired
Connector Type	3.5 mm Jack, USB Type-C
Frequency Response	150 Hz
Signal-to-Noise Ratio	75 dB
Power Source	Battery Powered (2 Lithium Polymer batteries included)
Battery Type	Lithium Polymer
Material	Full Metal Material
Item Weight	1.37 pounds
Compatible Devices	Camcorder, Camera, Laptop, Smartphone, Voice Recorder
Special Features	12-level Gain Adjustment, 75/150Hz Low-cut Filter, Automatic On/Off, USB C Digital Output, Wired and Wireless Recording Modes

12. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your COMICA VM30 Wireless Shotgun Microphone, please refer to the official COMICA website or contact their customer service directly. Keep your purchase receipt for warranty claims.