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#### **Rode VMNTG**

# Rode VideoMic NTG Instruction Manual

Model: VMNTG

#### INTRODUCTION

The Rode VideoMic NTG is a broadcast-grade, feature-packed shotgun microphone designed for on-camera use, but also highly versatile for various recording applications. It incorporates the revolutionary acoustic design of the NTG5 broadcast shotgun microphone, delivering exceptional transparency and natural sound reproduction. This manual provides detailed instructions for setting up, operating, and maintaining your VideoMic NTG to ensure optimal performance.

# SAFETY INFORMATION

- Do not expose the microphone to extreme temperatures or high humidity.
- · Avoid dropping or subjecting the microphone to severe impacts.
- Keep the microphone away from strong magnetic fields.
- Do not attempt to disassemble or modify the microphone. This will void the warranty.
- Use only approved cables and accessories with the microphone.
- Ensure proper ventilation when charging the internal battery.

# WHAT'S IN THE BOX

Upon opening your Rode VideoMic NTG package, you should find the following components:

- Rode VideoMic NTG Microphone
- SM7-R Camera Mount with Rycote Lyre Suspension
- SC10 3.5mm TRRS to TRRS Cable
- USB-C to USB-C Cable
- · Foam Windshield

#### **PRODUCT OVERVIEW**

The VideoMic NTG features a robust design with intuitive controls for versatile audio capture.



Figure 1: Front view of the Rode VideoMic NTG, showcasing its shotgun design, Rycote Lyre shock mount, and the attached 3.5mm TRRS cable.





Figure 2: Side view of the Rode VideoMic NTG, highlighting the control buttons for gain, high-pass filter, -20dB pad, high frequency boost, and the USB-C port for charging and digital audio output.





Figure 3: Back view of the Rode VideoMic NTG, displaying the model name, manufacturing origin, and serial number information.

# **Key Features:**

- Revolutionary Acoustic Design: Delivers unmatched transparency and natural sound.
- Infinitely Variable Gain Control: Allows precise output level adjustment.
- Auto-sensing 3.5mm Output: Automatically detects and adapts to camera (TRS) or mobile (TRRS) devices.
- **Digital Switching:** Provides access to high-pass filter (75Hz/150Hz), -20dB pad, high frequency boost, and safety channel.
- USB-C Connectivity: Functions as a fully-featured USB microphone for computers, tablets, and smartphones.
- Headphone Output: 3.5mm jack doubles as a headphone output for monitoring audio when using USB.

- dB Peak Warning Light: Indicates when audio is clipping.
- Rechargeable Lithium-ion Battery: Offers over 30 hours of operation.

#### SETUP

# 1. Charging the Battery

The VideoMic NTG has an internal rechargeable lithium-ion battery. Before first use, fully charge the microphone.

- 1. Connect the supplied USB-C to USB-C cable to the USB-C port on the microphone.
- 2. Connect the other end of the cable to a USB power source (e.g., computer USB port, USB wall adapter).
- 3. The power indicator LED will show charging status. It will turn solid green when fully charged.



Figure 4: The VideoMic NTG mounted on a camera in an outdoor environment, illustrating its long-lasting rechargeable battery, providing over 30 hours of use.

#### 2. Mounting the Microphone

The VideoMic NTG comes with an SM7-R camera mount, which features a Rycote Lyre suspension system to minimize handling noise.

- 1. Slide the cold shoe mount of the SM7-R into your camera's hot shoe or a compatible accessory mount.
- 2. Tighten the locking wheel on the SM7-R to secure it in place.
- 3. Ensure the microphone is firmly seated in the Rycote Lyre suspension.



Figure 5: A user operating a camera with the Rode VideoMic NTG securely mounted on top, demonstrating a typical setup for video recording.

#### 3. Connecting to Devices

The VideoMic NTG features an auto-sensing 3.5mm output and a USB-C output for broad compatibility.

#### **Connecting to Cameras (3.5mm TRS)**

- Use the supplied SC10 3.5mm TRRS to TRRS cable.
- Connect one end of the SC10 cable to the 3.5mm output on the VideoMic NTG.
- Connect the other end to the microphone input on your camera. The microphone will automatically detect the camera connection.

# **Connecting to Mobile Devices (3.5mm TRRS)**

- Use the supplied SC10 3.5mm TRRS to TRRS cable.
- Connect one end of the SC10 cable to the 3.5mm output on the VideoMic NTG.
- Connect the other end to the headphone/microphone jack on your smartphone or tablet. The microphone will automatically detect the mobile connection.
- Note: For Lightning-equipped iOS devices, an SC15 or SC19 cable (sold separately) is required. Ensure your VideoMic NTG firmware is up to date for full compatibility.

### Connecting to Computers/Tablets/Smartphones (USB-C)

- Use the supplied USB-C to USB-C cable.
- Connect one end of the USB-C cable to the USB-C port on the VideoMic NTG.
- Connect the other end to a USB-C port on your computer, tablet, or smartphone.
- The microphone will be recognized as an audio input device.



Figure 6: The Rode VideoMic NTG set up on a desk, connected to a laptop via its USB-C port, demonstrating its capability to capture professional audio with various devices.

#### **OPERATING**

# 1. Powering On/Off

 Power On: Press and hold the power button (located on the side) for 3 seconds. The power indicator LED will illuminate.

- Power Off: Press and hold the power button for 3 seconds. The power indicator LED will turn off.
- Auto Power On/Off: When connected to a camera via the 3.5mm output, the VideoMic NTG will automatically power on when the camera is turned on and power off when the camera is turned off (if the camera provides plug-in power).

# 2. Understanding Controls

The VideoMic NTG features several digital switches and a variable gain control for precise audio adjustment.





Figure 7: Side view of the Rode VideoMic NTG, illustrating the placement of its digital controls and gain knob for on-board signal processing.

- Gain Control Knob: This infinitely variable knob allows you to precisely adjust the output level of the microphone. Rotate clockwise to increase gain, counter-clockwise to decrease. This control is active for both 3.5mm and USB outputs, though for USB, fine-tuning may also be done via software.
- **High-Pass Filter (HPF):** Press the HPF button to cycle through filter settings (Off, 75Hz, 150Hz). This reduces low-frequency noise like rumble or air conditioning hum.
- -20dB Pad: Press the PAD button to engage a -20dB attenuation. Use this when recording very loud sound sources to prevent clipping.
- **High Frequency Boost:** Press the HF button to engage a high-frequency boost. This can enhance clarity and intelligibility, especially when using a windshield or in situations where high frequencies are attenuated.
- Safety Channel: When enabled (via the power button, short press after power on), the microphone outputs a second audio channel at -20dB. This provides a backup in case the main channel clips due to unexpected loud sounds. This feature is primarily for 3.5mm output.
- **dB Peak Warning Light:** This LED illuminates red when the audio signal is clipping. Adjust the gain control or engage the -20dB pad if this light frequently illuminates.

#### 3. Monitoring Audio

When using the VideoMic NTG as a USB microphone, the 3.5mm jack functions as a headphone output for direct monitoring.

- Connect headphones to the 3.5mm output jack on the microphone.
- You will hear the microphone's input signal directly, allowing you to monitor your audio in real-time.

# **M**AINTENANCE

- Cleaning: Use a soft, dry cloth to clean the microphone body. Do not use abrasive cleaners or solvents.
- Storage: Store the microphone in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the battery is charged to approximately 50%. Recharge every 3-6 months to maintain battery health.
- Windshield: The foam windshield can be gently cleaned with mild soap and water if it becomes dirty. Allow it to air

# TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio output	Microphone not powered on; incorrect cable connection; low battery; incorrect input selected on device.	Ensure microphone is powered on. Check cable connections (3.5mm or USB-C). Charge the battery. Select the correct audio input on your camera/computer/mobile device.
Audio is distorted/clipping	Input signal too loud; gain set too high.	Reduce the gain using the variable gain control. Engage the - 20dB pad. Move the microphone further from the sound source.
Audio is too quiet/noisy	Gain set too low; microphone too far from source; background noise.	Increase the gain using the variable gain control. Move the microphone closer to the sound source. Use the high-pass filter to reduce low-frequency rumble. Record in a quieter environment.
Microphone not recognized by computer via USB	Faulty USB cable; driver issue; incorrect USB port.	Try a different USB-C cable. Try a different USB-C port on your computer. Restart your computer. Check your operating system's sound settings to ensure the VideoMic NTG is selected as the input device.
No audio monitoring via headphone jack (USB mode)	Headphones not fully inserted; volume too low.	Ensure headphones are fully plugged into the 3.5mm jack. Adjust the monitoring volume on your computer/device.

# **S**PECIFICATIONS

Feature	Detail
Model Name	VMNTG
Acoustic Principle	Pressure Gradient
Polar Pattern	Super Cardioid
Frequency Range	20Hz – 20kHz
Output Impedance	1 Ohm
Signal-to-Noise Ratio	79 dB
Equivalent Noise Level (A-weighted)	20 dB
Connectivity	3.5mm auto-sensing TRRS, USB-C
Power Source	Internal rechargeable Lithium Polymer battery (included), USB Bus Power
Battery Life	Over 30 hours
Dimensions (L x W x H)	10 x 4 x 3 inches (approx. 254 x 102 x 76 mm)

Item Weight	3.32 ounces (approx. 94 grams)
Included Components	Microphone, SM7-R Camera Mount, SC10 Cable, USB-C Cable, Foam Windshield

# WARRANTY AND SUPPORT

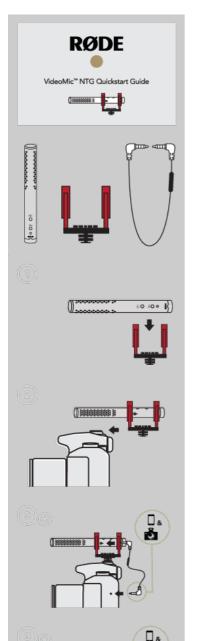
Rode Microphones products are designed and manufactured to the highest quality standards. For information regarding warranty terms and conditions, product registration, firmware updates, and technical support, please visit the official Rode website:

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You can also find additional resources, FAQs, and contact information for customer service on their support pages.

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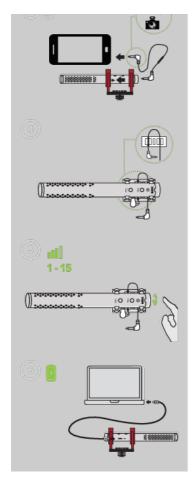
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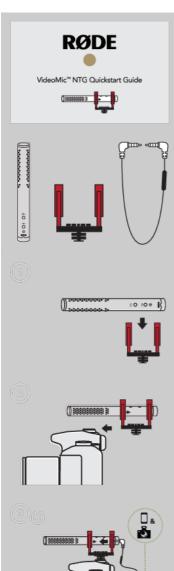


# RØDE VideoMic NTG Quickstart Guide: Setup and Usage

A concise guide to setting up and using the RØDE VideoMic NTG on-camera shotgun microphone, covering connections, controls, and accessories for professional audio recording.

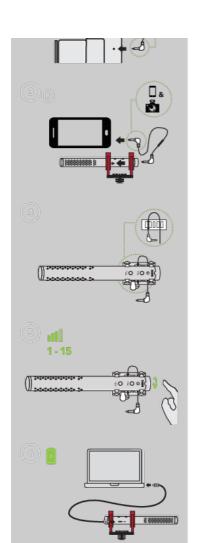
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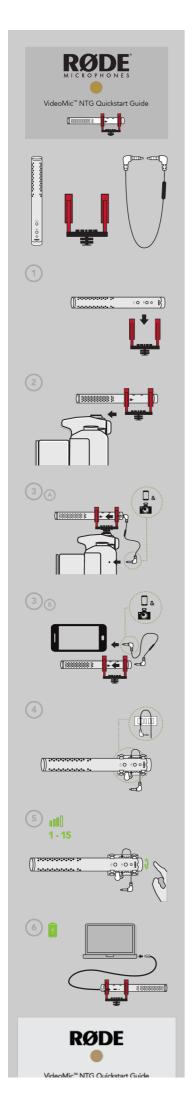


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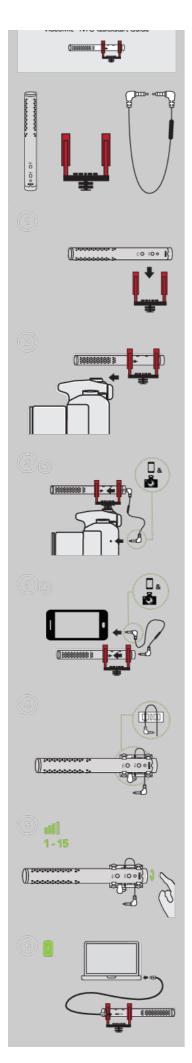


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The VideoMic NTG is a feature-packed, broadcast-grade shotgun microphone optimised for on-camera use. Flat frequency response, tight polar pattern, and precision gain control ensure superior audio in any recording. An auto-sensing 3.5mm output interacts seamlessly with both cameras and mobile device...

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