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> Movo VXR300 X/Y Stereo Condenser Video Microphone Instruction Manual

## Movo VXR300

# Movo VXR300 X/Y Stereo Condenser Video Microphone Instruction Manual

Model: VXR300

## INTRODUCTION

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The Movo VXR300 is a full-featured X/Y stereo condenser microphone designed to capture high-quality audio directly to your DSLR camera or camcorder. Its compact and lightweight design, combined with professional audio features, allows for clear dialogue capture without compromising your setup. The microphone features a rugged ABS construction, a wide frequency response, and a selectable high-pass filter to reduce unwanted low-frequency noise.

## PACKAGE CONTENTS

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Before beginning, please ensure all items are present in your package:

- Movo VXR300 Stereo Condenser Microphone
- 3.5mm TRS Output Cable
- Furry Windscreen (Deadcat)
- Foam Windscreen
- Travel Bag
- Warranty Card

# COMPATIBILITY

Capture high-quality audio whether you use a DSLR, camcorder, or portable recorder



## Camcorders



## DSLR / HDSLR Cameras



## Audio Recorders



Image: The Movo VXR300 microphone and its included accessories: a 3.5mm TRS output cable, a furry windscreen, and a travel bag.

## SETUP

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### 1. Install Batteries

The VXR300 requires two AAA batteries for operation. Locate the battery compartment, insert the batteries according to the polarity indicators, and close the compartment securely. Note that the battery fitting can be intricate.

### 2. Mount the Microphone

The microphone can be mounted onto any standard accessory shoe on your DSLR camera or camcorder. It also features a 1/4" thread for mounting on tripods or other compatible accessories. Ensure the microphone is securely attached to prevent movement during recording.

### 3. Connect to Your Device

Connect the included 3.5mm TRS output cable from the microphone to the 3.5mm microphone input jack on your DSLR

camera or camcorder. Verify that your device has a compatible 3.5mm microphone input.



## CAPTURE PRISTINE AUDIO

Record videos with realistic stereo and spatial imaging directly from your DSLR or recorder

Image: The Movo VXR300 microphone shown mounted on a DSLR camera, with icons indicating compatibility with camcorders, DSLR/HDSLR cameras, and audio recorders.

## OPERATING INSTRUCTIONS

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### 1. Power On

Locate the power switch on the microphone and slide it to the 'ON' position before recording. Remember to switch the microphone off when not in use to conserve battery life.

### 2. Adjust Settings

The VXR300 features several settings to optimize audio capture:

- **-10dB Attenuation Switch:** Use this switch to reduce the input gain by 10 decibels. This is useful when recording in loud environments to prevent audio distortion.

- **Low-Cut Filter (80Hz High-Pass Filter):** Engage this filter to reduce low-frequency noise such as air conditioners, traffic, or handling noise. This helps to clarify dialogue and other mid-to-high frequency sounds.



Image: A close-up of the Movo VXR300 microphone, pointing out the High Pass Filter switch, the Integrated Shock Mount, and the Supercardioid Polar Pattern.

### 3. Utilize Windscreens

The microphone includes both a standard foam windscreens and a furry windscreens (deadcat). Use the appropriate windscreens to reduce wind noise, especially when recording outdoors, to ensure clear audio.



## CLEAN AUDIO

Reduce distortion with the recording sound level and -10dB pad switch. Use the high-pass filter to cancel ambient background noise

Image: The Movo VXR300 microphone mounted on a camcorder, with text emphasizing 'Clean Audio' and the use of the high-pass filter and -10dB pad switch.

### 4. Monitor Audio Levels

Always monitor your audio levels through your camera's headphone jack (if available) or on-screen meters. Adjust your camera's audio input gain settings to achieve optimal levels without clipping or excessive background noise. Setting manual audio levels on your camera is often recommended over auto-level settings.

# WHAT'S INCLUDED



Image: A close-up of the Movo VXR300 microphone, highlighting its design for 'Flawless Audio Quality'.

## 5. Audio Test Demonstration

The following video demonstrates the audio quality of the Movo VXR300 at various distances, providing a practical example of its performance.

Video: An audio test of the Movo VXR300 microphone, demonstrating its sound capture at different distances from the speaker.

This video provides a general overview and demonstration of the Movo VXR300's capabilities when paired with a DSLR camera.

Video: A demonstration highlighting the Movo VXR300 as a beneficial addition to a DSLR camera setup.

## MAINTENANCE

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To ensure the longevity and optimal performance of your Movo VXR300 microphone, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microphone. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the microphone in its travel bag to protect it from dust, moisture, and physical damage.
- **Battery Care:** Remove batteries if the microphone will not be used for an extended period to prevent leakage.
- **Windscreens:** Clean windscreens gently. The foam material can be delicate.

## TROUBLESHOOTING

If you encounter issues with your Movo VXR300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Low audio level or no sound	Microphone not powered on; low batteries; incorrect camera audio settings; microphone too far from sound source.	Ensure microphone is ON. Replace AAA batteries. Adjust camera's audio input gain. Move closer to the sound source.
Hissing or background noise	High camera gain; environmental low-frequency noise; microphone picking up camera handling noise.	Reduce camera's audio input gain. Engage the 80Hz Low-Cut Filter on the microphone. Ensure the microphone is properly seated in its shockmount.
Distorted audio	Audio input level too high; recording in very loud environments.	Reduce camera's audio input gain. Engage the -10dB Attenuation switch on the microphone.
Intermittent sound	Loose cable connection; faulty cable.	Ensure the 3.5mm cable is securely connected at both ends. Try a different 3.5mm TRS cable if available.

## SPECIFICATIONS

Feature	Detail
Type	Stereo Condenser
Channels	Dual-channel X/Y configuration
Polar Pattern	Super-cardioid
Frequency Response	40Hz-20kHz
Sensitivity	-33dB +/- 3dB / 0dB=1V/Pa, 1kHz
Signal to Noise Ratio	76dB or more
Output Impedance	200 Ohms
Power	2 "AAA" batteries
Connector	mini-pin plug (3.5mm)
Dimensions	151 x 65 x 73mm
Weight	135g
Compatible Devices	Camcorder, Camera (with 3.5mm jack)

## WARRANTY AND SUPPORT

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The Movo VXR300 comes with a **1-Year Warranty**. Movo is committed to providing reliable products and offers US-based support to assist with any technical inquiries or issues you may encounter. Please refer to the warranty card included in your package for detailed terms and conditions.

For support, please visit the official Movo website or contact their customer service directly.