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› FocusFoto Professional Handheld Shotgun Microphone 909492 User Manual

FocusFoto 909492

FocusFoto Professional Handheld Shotgun Microphone 909492 User Manual

For Video DSLR Camera & Camcorder

INTRODUCTION

This manual provides detailed instructions for the FocusFoto Professional Handheld Shotgun Microphone, Model 909492. This microphone is designed for high-quality audio capture with video DSLR cameras and camcorders, offering excellent directivity and sensitivity for various recording environments.

Key Features:

- Sound interference microphone with flattened frequency response and high sensitivity.
- Excellent sharp directivity, highly impervious to ambient noise pickup.
- Utilizes 48V phantom power supply for balanced output.
- Designed for long-distance sound pickup and transmission.
- Suitable for chorus, opera, and other specialized occasions.
- Offers optional cardioid or hyper-cardioid directivity characteristics.
- Provides distinct and clear vocal pickup.
- High sensitivity, wide dynamic range, and low distortion.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x FocusFoto Shotgun Microphone with XLR Cable
- 1x Microphone Windshield (Foam)



Image: The FocusFoto shotgun microphone, showing the main body, attached XLR cable, and a separate foam windshield.

SETUP INSTRUCTIONS

1. **Attach Windshield:** Gently slide the foam windshield over the microphone head. This helps reduce wind noise and plosives during recording.



Image: A hand holding the microphone with the foam windshield already installed, demonstrating its appearance when ready for use.

2. **Connect XLR Cable:** Connect the XLR cable from the microphone to your camera, camcorder, or audio interface. Ensure a secure connection. This microphone requires 48V phantom power, which must be supplied by your recording device or an external phantom power unit.



Image: A detailed view of the 3-pin XLR connector, highlighting its design for secure audio connections.

3. **Mounting:** Secure the microphone to your camera's hot shoe mount, a boom pole, or a stand using an appropriate microphone clip or shock mount (not included). Position the microphone to point directly at your sound source.



Image: A detailed view of the microphone's head, showing the grille and internal components responsible for sound capture.

4. **Power On:** Activate the 48V phantom power on your camera, camcorder, or audio interface. The microphone does not have an independent power switch.

OPERATING INSTRUCTIONS

1. **Positioning:** For optimal sound quality, position the microphone as close as possible to the sound source while remaining out of frame. The shotgun design provides a narrow pickup pattern, making it ideal for isolating sounds directly in front of it.
2. **Monitoring Audio:** Always monitor your audio using headphones connected to your recording device. This allows you to detect any issues such as distortion, background noise, or improper levels in real-time.
3. **Adjusting Levels:** Set the input gain on your camera or audio interface to an appropriate level. Aim for audio levels that peak around -6dB to -12dB to avoid clipping and distortion.
4. **Environmental Considerations:** While the windshield helps with light wind, for strong wind conditions or outdoor use, consider additional wind protection (e.g., a "dead cat" windscreen, not included) to minimize noise.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Do not use liquid cleaners or solvents, as they can damage the microphone's components.
- **Windshield Care:** The foam windshield can be gently hand-washed with mild soap and water, then air-dried completely before re-attaching.
- **Storage:** When not in use, store the microphone in a dry, dust-free environment, preferably in its original packaging or a protective case.
- **Cable Care:** Avoid sharp bends or kinks in the XLR cable. Store the cable loosely coiled to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound Output	XLR cable not connected properly. 48V phantom power not enabled. Input gain too low on recording device. Faulty cable or microphone.	Ensure XLR cable is securely connected at both ends. Activate 48V phantom power on your camera/interface. Increase input gain on your recording device. Test with a different XLR cable or another microphone if available.
Distorted Audio	Input gain too high. Microphone too close to sound source.	Reduce input gain on your recording device. Increase distance between microphone and sound source.
Excessive Background Noise	Improper microphone positioning. Lack of adequate wind protection. Environmental noise.	Ensure microphone is pointed directly at the desired sound source. Use the included foam windshield; consider a "dead cat" for outdoor use. Record in a quieter environment if possible.

SPECIFICATIONS

Feature	Detail
Style	Back electret condenser physical interference microphone
Power Supply	Phantom power supply (12-48V)
Current Drain	<24mA
Surface Treatment	Anticathode oxygenation (black)
Frequency Response	30-15000 Hz
Sensitivity	20mv (at 1k 94dB)
Directivity Characteristic	Virgulate directivity (Hypercardioid pickup pattern)
Signal-to-Noise Ratio (S/N)	>75dB

Feature	Detail
Wind Screen Effectiveness	<22dB
Maximum Voltage	118dB
Working Temperature	0-16 °C (32-60.8 °F)
Ambient Pick-up Distance	0.5-3 meters
Output Impedance	250 Ω
Dimensions	φ21 × 145mm
Connector Type	XLR
Compatible Devices	Camcorder, Camera
Item Weight	0.16 Kilograms (5.6 ounces)
Model Number	909492
UPC	727780959853

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact FocusFoto directly through their official channels. Specific warranty terms may vary by region and retailer.