SYNCO D2

SYNCO D2 XLR Shotgun Microphone Instruction Manual

Model: D2

Introduction

The SYNCO D2 XLR Shotgun Microphone is a professional-grade hypercardioid condenser microphone designed for high-quality audio capture in various recording environments. Its robust construction and advanced acoustic design ensure clear, focused sound with minimal background noise. This manual provides essential information for setting up, operating, and maintaining your SYNCO D2 microphone.



Image: The SYNCO D2 XLR Shotgun Microphone, a sleek black cylindrical microphone, is shown mounted on a camera rig, ready for professional audio recording.

What's in the Box

Your SYNCO D2 package includes the following components:

- SYNCO D2 Microphone x1
- XLRM-XLRF Cable x1
- Protection Box x1
- Windscreen x1
- Mic Holder with 5/8"-3/8" Connector x1



Image: All components of the SYNCO D2 package laid out: the microphone, XLR cable, protection box, windscreen, and mic holder.

Key Features

- **Hypercardioid Pickup Pattern:** Designed to be highly sensitive to sound from the front while effectively attenuating

off-axis sound, ensuring focused audio capture.

- **Solid Brass Body:** CNC machined brass metal body provides robust construction and high anti-interference, suitable for outdoor recording. The black speckle finish prevents light reflection.
- **Extremely Low Self-Noise:** Features an ultra-low noise floor at 12dB (A-weighted) and 24dB (CCIR 268-3), with an SNR of 80dB, for broadcast-quality audio.
- **Ultra-flat Frequency Response:** A frequency response range of 20Hz-20kHz ensures accurate reproduction of all audible frequencies, producing natural sound.
- **Gold Plated XLRM Connector:** Universal gold-plated shielded 3-pin XLRM connectors provide interference-free signal transfer and broad compatibility.



Image: A diagram illustrating the hypercardioid pickup pattern of the SYNCO D2 microphone, showing strong sensitivity from the front and rejection from the sides.



Image: An exploded view of the SYNCO D2 microphone highlighting its CNC machined brass body and 3-pin XLR connector, emphasizing its robust and professional design.

Setup and Installation

The SYNCO D2 microphone requires 48V phantom power to operate. Ensure your recording device or audio interface provides this power.

1. **Attach Microphone to Holder:** Securely place the SYNCO D2 microphone into the provided mic holder. The holder features a 5/8"-3/8" connector for versatile mounting.
2. **Mount Microphone:** Attach the mic holder to a boom pole, tripod, or camera rig.
3. **Connect XLR Cable:** Use the included XLRM-XLRF cable to connect the microphone to your audio recorder, camcorder, or audio mixer. Ensure a secure connection at both ends.
4. **Provide Phantom Power:** Activate the 48V phantom power on your connected device. The microphone will not function without it. For DSLRs without built-in phantom power, an external audio preamp adapter is required.
5. **Attach Windscreen (Optional):** For outdoor recording or in windy conditions, slide the foam windscreen over the microphone to reduce wind noise and plosives.



Image: The SYNCO D2 microphone connected to various professional video and audio recording equipment, including camcorders, handheld recorders, and mixer adapters, all utilizing XLR connections.

Setup Demonstration Video



Video: A seller-provided video demonstrating the unboxing and setup of the SYNCO D2 Shotgun Mic, including connecting it to an XLR input device.

Operating Instructions

The SYNCO D2 is a hypercardioid microphone, meaning it is most sensitive to sounds directly in front of it. For optimal performance:

- **Positioning:** Aim the microphone directly at your sound source (e.g., speaker's mouth, instrument) to capture the clearest audio and minimize ambient noise.
- **Distance:** Maintain an appropriate distance from the sound source. Too close may result in proximity effect (increased bass response), while too far may pick up unwanted room reflections.
- **Monitoring:** Always monitor your audio through headphones during recording to ensure proper levels and sound quality.
- **Outdoor Use:** When recording outdoors, always use the included windscreen to protect against wind noise.



Image: A person using the SYNCO D2 microphone on a boom arm for voiceover recording, demonstrating typical operating setup.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the microphone in its protective box when not in use to prevent dust accumulation and physical damage.
- **Cable Care:** Handle the XLR cable carefully. Avoid sharp bends or kinks that could damage the internal wiring.
- **Windscreen:** The foam windscreen can be gently cleaned with mild soap and water, then air-dried completely before re-use.

Troubleshooting

- **No Sound:** Ensure 48V phantom power is enabled on your recording device. Check all cable connections for security. Verify the microphone is connected to an active input.
- **Low Volume:** Increase the input gain on your audio recorder or mixer. Ensure the microphone is positioned correctly and close enough to the sound source.
- **Excessive Noise/Hum:** Check for proper grounding of all equipment. Ensure the XLR cable is not damaged. Move away from sources of electromagnetic interference (e.g., power cables, fluorescent lights).
- **Wind Noise:** Always use the included foam windscreen when recording outdoors or in windy conditions.

Specifications

Feature	Detail
Connectivity Technology	XLR
Connector Type	XLR
Polar Pattern	Hyper Cardioid
Audio Sensitivity	28 Decibels

Impedance	450 Ohms
Microphone Form Factor	Shotgun
Power Source	Phantom Power (48V)
Signal-to-Noise Ratio	80 dB
Frequency Response	20 Hz - 20 KHz
Audible Noise	12 Decibels
Item Weight	65 Grams
Enclosure Material	Brass
Compatible Devices	Camcorder, Zoom H series, Audio Mixer, Recorder, Camera (with 48V phantom power supply)

Warranty and Support

The SYNCO D2 XLR Shotgun Microphone comes with a**1-year manufacturer's warranty**. For warranty claims, technical support, or any inquiries regarding your product, please contact SYNCO customer service through their official website or the retailer where the product was purchased.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question