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› PROAR XLR Condenser Microphone User Manual

PROAR XLR

PROAR XLR Condenser Microphone User Manual

Model: XLR

INTRODUCTION

The PROAR XLR Condenser Microphone is a studio-grade microphone designed for high-quality audio capture. It features a gold-plated 25mm large-diaphragm capsule and a cardioid pickup pattern, making it suitable for various applications including streaming, recording, gaming, podcasting, vocals, voice-overs, and acoustic instruments. This manual provides essential information for setting up, operating, and maintaining your microphone.



Image: The PROAR XLR Condenser Microphone, showcasing its design and components.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 x XLR Condenser Microphone
- 1 x Shock Mount
- 1 x Mic Cover (Foam Windscreen)
- 1 x XLR Male to XLR Female Cable (79 inches)
- 1 x User Manual

WHAT YOU GET?



Image: All components included in the PROAR XLR Condenser Microphone package, including the microphone, shock mount, foam windscreen, XLR cable, and manual.

SETUP INSTRUCTIONS

The PROAR XLR Condenser Microphone requires an external 48V phantom power source for operation. This can be provided by an audio interface, mixer, or dedicated phantom power supply (not included).

1. **Attach the Shock Mount:** Securely fasten the microphone into the provided shock mount. The shock mount helps to isolate the microphone from vibrations and handling noise.
2. **Mount the Microphone:** Attach the shock mount to a microphone stand or boom arm. Ensure it is stable and can support the microphone's weight.
3. **Connect the XLR Cable:** Connect one end of the included XLR male-to-female cable to the microphone's XLR output.
4. **Connect to Phantom Power Source:** Connect the other end of the XLR cable to an audio interface, mixer, or 48V phantom power supply.
 - If connecting to a PC, computer, laptop, MacOS, or phone, ensure the phantom power source is connected and active before connecting to your device.
5. **Apply Mic Cover:** Place the foam windscreen over the microphone capsule to reduce plosive sounds and wind noise.



Image: Diagram illustrating how to connect the XLR microphone to a mixer, audio interface, or 48V phantom power, and then to a PC or phone. Note that phantom power and connection cables to PC/phone are not included.

FLEXIBLE INSTALLATION

Boom arm or desktop stand



Image: Examples of flexible microphone installation, showing the microphone mounted on both a boom arm and a desktop stand.

OPERATING INSTRUCTIONS

The PROAR XLR Condenser Microphone features a cardioid pickup pattern, which means it primarily captures sound from the front, while minimizing noise from the sides and rear. This design helps in achieving clear, distortion-free audio with a natural and warm sound.

- **Positioning:** For optimal sound capture, position the microphone directly in front of the sound source (e.g., your mouth for vocals or instruments).
- **Distance:** Maintain an appropriate distance from the microphone. Too close can result in plosives and proximity effect (increased bass), while too far can lead to a thin sound and increased room noise.
- **Gain Adjustment:** Adjust the gain on your audio interface or mixer to achieve a strong signal without clipping (distortion).
- **Monitoring:** Use headphones connected to your audio interface or mixer to monitor your sound in real-time.

PROFESSIONAL CAPSULE

Clear and pristine sound quality



Image: A person using the PROAR XLR Condenser Microphone, illustrating its professional capsule and cardioid pickup pattern for clear sound quality.

HOW TO CONNECT?

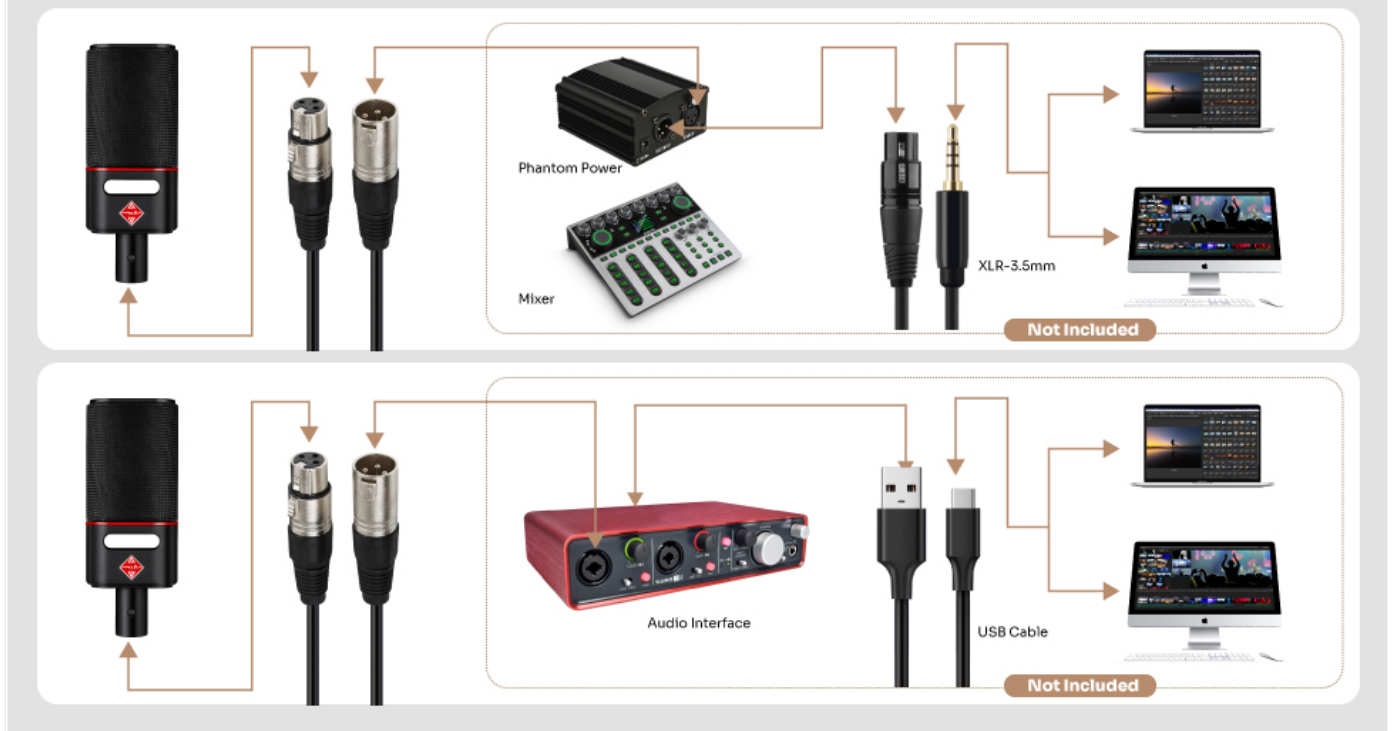


Image: Detailed view of the microphone's professional capsule, showing the 25mm diaphragm condenser, sound chipset, cardioid pickup pattern, and frequency response graph (40Hz-16kHz).

MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your PROAR XLR Condenser Microphone.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microphone. Avoid using liquid cleaners or solvents, as they can damage the microphone's components.
- **Storage:** When not in use, store the microphone in a dry, dust-free environment. The original packaging or a dedicated microphone case is recommended.
- **Handling:** Handle the microphone with care. Avoid dropping it or subjecting it to strong impacts, which can damage the sensitive internal capsule.
- **Moisture:** Keep the microphone away from moisture and extreme temperatures. Condenser microphones are particularly sensitive to humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"> • 48V phantom power not enabled or connected. • XLR cable faulty or improperly connected. • Input gain on audio interface/mixer set too low. • Incorrect input selected on recording device. 	<ul style="list-style-type: none"> • Ensure 48V phantom power is active on your audio interface or mixer. • Check XLR cable connections at both ends. Try a different XLR cable if available. • Increase the input gain on your audio interface or mixer gradually. • Verify that the correct input channel is selected on your recording software or device.
Low or weak sound	<ul style="list-style-type: none"> • Microphone too far from sound source. • Input gain set too low. • Phantom power issue (partial connection or insufficient voltage). 	<ul style="list-style-type: none"> • Move the microphone closer to the sound source. • Increase the input gain on your audio interface or mixer. • Recheck phantom power connection and ensure it's providing stable 48V.
Distorted sound	<ul style="list-style-type: none"> • Input gain set too high (clipping). • Microphone too close to sound source (proximity effect/overload). 	<ul style="list-style-type: none"> • Decrease the input gain on your audio interface or mixer. • Increase the distance between the microphone and the sound source.
Excessive background noise / Hiss	<ul style="list-style-type: none"> • High self-noise of the microphone (as noted in some reviews). • Environmental background noise. • Gain set too high, amplifying noise. • Faulty cable or ground loop. 	<ul style="list-style-type: none"> • Ensure recording environment is quiet. • Optimize gain staging: set gain as low as possible while still getting a strong signal. • Consider using noise reduction software during post-production. • Try a different XLR cable. Ensure all audio equipment is properly grounded.

SPECIFICATIONS

Feature	Detail
Model Name	XLR Microphone
Brand	PROAR
Polar Pattern	Unidirectional (Cardioid)
Diaphragm Size	25mm Large Diaphragm
Connectivity Technology	XLR
Connector Type	XLR
Frequency Response	40Hz-16KHz
Audio Sensitivity	126 Decibels
Signal-to-Noise Ratio	78 dB
Impedance	200 Megaohms
Power Source	Corded Electric (Requires 48V Phantom Power)
Material	Metal
Item Weight	1.9 Pounds (approx. 0.86 kg)
Package Dimensions	8.74 x 8.31 x 3.27 inches
Compatible Devices	Laptop, Mac, Personal Computer, Phone, Windows (with appropriate interface)

WARRANTY AND SUPPORT

This product is covered by a standard return policy, typically allowing returns or replacements within 30 days of purchase. For specific warranty details, please refer to your purchase documentation or contact the seller directly.

For technical support, troubleshooting assistance, or inquiries regarding your PROAR XLR Condenser Microphone, please contact PROAR customer service or refer to the seller's support page.

- **Seller Support Page:** [PROAR Seller Profile on Amazon](#)

