

## MAONO AU-PM320S

# MAONO AU-PM320S XLR Condenser Microphone Kit Instruction Manual

Professional Audio Innovation for Studio, Podcast, and Recording

## INTRODUCTION

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Thank you for choosing the MAONO AU-PM320S XLR Condenser Microphone Kit. This professional-grade microphone is designed to deliver high-quality audio for various applications, including streaming, podcasting, singing, voice-overs, and home studio recording. This manual provides essential information for setting up, operating, and maintaining your microphone kit to ensure optimal performance.

## WHAT'S IN THE BOX

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Your MAONO AU-PM320S kit includes the following components:

- XLR Condenser Microphone (AU-PM320S)
- Adjustable Boom Arm
- Metal Shock Mount
- Pop Filter
- Windscreen
- XLR to XLR Cable
- User Manual

# WHAT YOU GET ?



Image: All components of the MAONO AU-PM320S XLR Condenser Microphone Kit, including the microphone, boom arm, shock mount, pop filter, windscreen, and cables.

## SETUP GUIDE

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Follow these steps to set up your MAONO AU-PM320S microphone kit:

1. **Attach the Boom Arm:** Secure the adjustable boom arm to your desk or table using the stable table mounting clamp. Ensure it is tightened firmly to prevent movement.
2. **Install the Shock Mount:** Mount the metal shock mount onto the boom arm. The shock mount helps to isolate the microphone from physical vibrations, reducing unwanted noise.
3. **Insert the Microphone:** Carefully place the AU-PM320S condenser microphone into the shock mount.
4. **Connect the XLR Cable:** Connect one end of the provided XLR to XLR cable to the bottom of the microphone and the other end to a 48V phantom power supply, audio interface, or mixer.
5. **Connect to Computer:** Connect your 48V phantom power supply, audio interface, or mixer to your computer (laptop or desktop) using the appropriate cable (not included with the microphone kit, typically USB or other audio cables).

6. **Attach Pop Filter and Windscreen:** Position the pop filter in front of the microphone to reduce plosive sounds (P, B, T, K sounds). For additional wind noise reduction, place the foam windscreen over the microphone capsule.



Image: Step-by-step diagram illustrating the connection of the MAONO AU-PM320S microphone to a 48V phantom power supply or audio interface, which then connects to a laptop or desktop computer.

### Important Note on Power:

The MAONO AU-PM320S is an XLR condenser microphone and **requires 48V phantom power** to operate correctly. This power is typically supplied by an audio interface, mixer, or dedicated phantom power supply. Ensure your setup includes a compatible 48V power source.

### Video: How It Works

Video: An official MAONO US video demonstrating the setup and connection process for the AU-PM320S XLR condenser microphone kit, showing how to connect the microphone to an audio interface and computer.

## OPERATING INSTRUCTIONS

The MAONO AU-PM320S is designed for ease of use while delivering professional audio quality.

### Microphone Placement:

- The microphone features a **cardioid pickup pattern**, meaning it is most sensitive to sounds coming from the front and less sensitive to sounds from the sides and rear. This helps to reduce background noise.
- For optimal vocal recording, speak directly into the front of the microphone (where the MAONO logo is located) at a distance of 6-12 inches.
- Utilize the adjustable boom arm to position the microphone comfortably and effectively for your recording needs.



Image: A visual representation of the cardioid pickup pattern, showing how the MAONO AU-PM320S microphone captures sound primarily from the front, minimizing side and rear noise.

### Sound Quality and Features:

- The built-in large **Dia.16 mm condenser capsule** provides an extended frequency response and superior transient response, capturing clear and detailed audio.

- High-SPL handling and a wide dynamic range make this microphone versatile for various sound sources.
- The included pop filter and windscreen effectively reduce plosives, wind noise, and saliva interference, ensuring a clean vocal recording.
- The shock mount further minimizes noise caused by vibrations transmitted through the desk or stand.

## PERFECT FOR STUDIO & PODCAST & RECORDING

Ultra-thin large Dia.16mm diaphragm condenser capsule can listen to everything whether you are gentle or passionate clearly;

**16  
mm**



Image: A detailed view of the MAONO AU-PM320S microphone, emphasizing its 16mm condenser capsule, which is crucial for high-quality sound capture.

### Applications:

This microphone is ideal for:

- Podcasting
- Streaming (YouTube, Skype, Twitch)
- Singing and Vocal Recording
- Voice-overs
- Home Studio Recording



Image: A user speaking into the MAONO AU-PM320S microphone, demonstrating proper usage with a pop filter and headphones for clear vocal recording.

## MAINTENANCE

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To ensure the longevity and optimal performance of your MAONO AU-PM320S microphone, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the microphone body and boom arm. Avoid using liquid cleaners or solvents, as they may damage the finish or internal components.
- **Storage:** When not in use, store the microphone in a clean, dry place away from extreme temperatures and humidity.
- **Handling:** The microphone features a full metal construction for durability. However, avoid dropping or subjecting the microphone to harsh impacts, as this can damage the internal capsule.
- **Cable Care:** Handle the XLR cable carefully. Avoid sharp bends or kinks, which can damage the internal wiring.

## TROUBLESHOOTING

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If you encounter issues with your MAONO AU-PM320S microphone, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
No Sound Output	No 48V phantom power; Incorrect cable connection; Incorrect input selection on computer/interface.	Ensure 48V phantom power is enabled on your audio interface/mixer. Check all XLR cable connections. Verify the correct input device is selected in your computer's sound settings or recording software.
Low Volume/Weak Signal	Low gain setting on interface/mixer; Microphone too far from sound source.	Increase the gain level on your audio interface or mixer. Position the microphone closer to the sound source (6-12 inches is recommended for vocals).
Excessive Background Noise	Microphone picking up ambient noise; Vibrations from desk/stand.	Ensure the microphone's cardioid pattern is facing the desired sound source. Use the included pop filter and windscreen. Ensure the microphone is securely in the shock mount and the boom arm is stable. Record in a quiet environment.
Popping Sounds (Plosives)	Air blasts from speaking directly into the microphone.	Ensure the pop filter is correctly positioned between your mouth and the microphone. Adjust microphone distance.

SPECIFICATIONS

Feature	Detail
Model Name	AU-PM320S
Microphone Type	Condenser
Polar Pattern	Unidirectional (Cardioid)
Diaphragm Size	Dia.16 mm
Connectivity Technology	XLR
Power Source	48V Phantom Power Required
Frequency Response	18 KHz (20-18,000 Hz as per A+ content)
Audio Sensitivity	82 Decibels (-34dB±3dB high sensitivity as per A+ content)
Impedance	200 Ohms
Signal-to-Noise Ratio	75 dB
Material	Metal, Plastic (Full metal casing)
Item Weight	3.25 pounds
Package Dimensions	17.17 x 8.23 x 3.58 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your MAONO AU-PM320S microphone kit, please refer to the official MAONO website or contact their customer service directly. Details can typically be found in the included User Manual or on the product packaging.