

MAONO PM500

MAONO PM500 XLR Condenser Microphone Instruction Manual

Model: PM500 | Brand: MAONO

1. INTRODUCTION

The MAONO PM500 is a professional XLR condenser microphone designed for high-quality audio capture. Featuring a 34mm large diaphragm and a cardioid pickup pattern, it is optimized for various applications including podcasting, recording, streaming, vocals, voice-overs, music, and ASMR. This manual provides essential information for setting up, operating, and maintaining your PM500 microphone.

2. PACKAGE CONTENTS

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

- XLR Condenser Microphone (PM500) x 1
- Metal Desktop Stand x 1
- Shock Mount x 1
- Metal Pop Filter x 1
- XLR to XLR Cable x 1
- User Manual x 1

WHAT YOU GET

Microphone X1
Shock Mount X1

Table Stand X1
Pop Filter X1

XLR Cable X1
User Manual X1



Image: All components included in the MAONO PM500 microphone set.

3. SETUP

Follow these steps to set up your MAONO PM500 microphone:

1. **Assemble the Desktop Stand:** Attach the microphone stand pole to the heavy metal base.
2. **Attach the Shock Mount:** Screw the shock mount onto the top of the desktop stand.
3. **Mount the Microphone:** Carefully insert the MAONO PM500 microphone into the shock mount and secure it by tightening the screw from the bottom.
4. **Attach the Pop Filter:** Clip the metal pop filter onto the shock mount, positioning it directly in front of the microphone capsule.
5. **Connect the XLR Cable:** Plug one end of the provided XLR to XLR cable into the microphone's XLR port and the other end into your audio mixer, 48V phantom power supply, or audio interface.
6. **Power On:** Ensure your audio interface or phantom power supply is turned on and providing 48V phantom power to the microphone.

HOW DOES THE PM500T WORK WITH COMPUTER & LAPTOP?

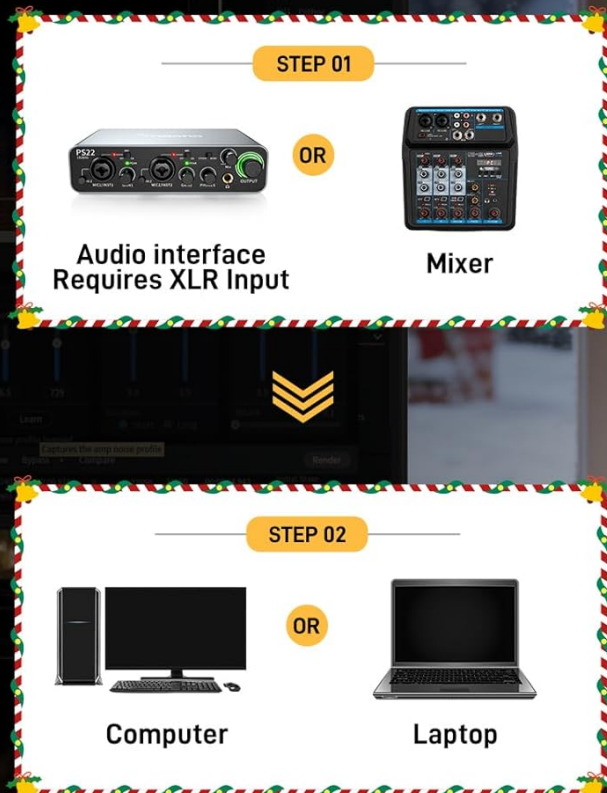


Image: Connection diagram for the MAONO PM500 microphone with an audio interface/mixer and computer.



Image: The MAONO PM500 microphone fully assembled and connected for use.

Setup Video Guide

Video: This video demonstrates the assembly process of the MAONO PM500 Studio Microphone, including attaching the microphone to the shock mount and stand.

4. OPERATING INSTRUCTIONS

The MAONO PM500 is designed for optimal performance when used correctly. Here are some guidelines:

- **Microphone Placement:** Position the microphone directly in front of the sound source, typically 6 to 12 inches away, for the best sound capture. The cardioid pattern is most sensitive to sounds coming from the front.
- **Phantom Power:** Always ensure your audio interface or mixer is supplying 48V phantom power to the microphone. The PM500 requires this external power source to function.
- **Gain Adjustment:** Adjust the gain on your audio interface or mixer to achieve an appropriate recording level. Avoid clipping (distortion) by keeping the input level below the peak.
- **Pop Filter Usage:** Utilize the included metal pop filter to minimize plosive sounds (harsh 'p' and 'b' sounds)

and protect the microphone capsule from moisture.

- **Monitoring:** If your audio interface supports it, use direct monitoring to hear your audio in real-time without latency.



Image: Proper microphone usage for recording or streaming.

Operation Video Guides

Video: This video provides an introduction to the use and sound quality of the MAONO PM500 studio microphone.

Video: This video introduces the materials of the XLR microphone and includes a sound quality test for the PM500.

Video: This video demonstrates recording guitar sound using the MAONO PM500T XLR Microphone.

5. KEY FEATURES

- **Studio Grade Sound:** The PM500 features a custom-designed 34mm large diaphragm gold condenser capsule, offering a dynamic range of 20Hz - 20kHz. It ensures incredibly clean recordings with low noise, high sensitivity, and excellent SPL handling, suitable for professional music creation, instrument recording, vocals,

and podcasts.



Image: The 34mm large diaphragm of the MAONO PM500, designed for high-resolution sound.

The advertisement features a central image of the Maono PM500T microphone, a silver condenser mic with a large capsule, set against a dark background with vertical light streaks. The microphone is flanked by large, semi-transparent '4.5X' text. Above the microphone, the text '4.5X LARGER CAPSULE SOUNDS BETTER' is displayed in yellow and white. Below this, a line of text reads 'Hi-Res Sound Quality With 34mm Large Diaphragm Give more sound detail, Smoother, exquisite sound.' The background is decorated with Christmas elements: snowflakes, a red Christmas stocking hanging from the top right, and a small branch with red berries and lights in the top left. At the bottom, a comparison table is shown with 'Maono PM500T' on the left and 'Others' on the right, separated by a large 'VS' in the center. The Maono side lists three benefits with green checkmarks, while the Others side lists three drawbacks with red X marks.

4.5X LARGER CAPSULE SOUNDS BETTER

Hi-Res Sound Quality With 34mm Large Diaphragm
Give more sound detail, Smoother, exquisite sound.

4.5X

Maono PM500T	Others
✓ Clear sound quality	✗ Bad sound quality
✓ High sensitivity	✗ Low sensitivity
✓ Lower noise	✗ Whistling

VS

Image: Comparison highlighting the larger capsule and superior sound characteristics of the PM500.

- **Cardioid Pattern:** The cardioid pickup pattern provides excellent off-axis sound suppression, reducing noise from the sides and rear. This ensures accurate capture of sound details, delivering a silky top end, detailed midrange, and warm bass, ideal for various instruments and vocals.
- **External Power Source Required:** This microphone uses an XLR connection and requires 48V phantom power, typically supplied by an audio mixer or interface. This setup ensures a clear, rich, and stable sound.
- **High Specification Circuitry:** The circuit design incorporates premium components from top-tier manufacturers and a custom-made permalloy audio signal transformer. This results in low self-noise and exceptional sound capturing, restoring recording sound with clarity.

Unique Acoustics Chip Processing

Accurately capture sound details



Image: Internal acoustics chip processing for precise sound capture.

- **Premium Metal Structure:** The microphone body is constructed from zinc alloy with multi-layer coatings, providing high corrosion resistance and protecting the mechanical structure for purer audio signals and better sound quality.



Image: All-metal construction and XLR connection for enhanced durability and sound quality.

- **Included Accessories:** The kit includes a metal pop filter, shock mount, and desktop stand, which protect the microphone and isolate it from physical vibrations, facilitating professional content creation.

6. SPECIFICATIONS

Feature	Detail
Microphone Form Factor	Large Diaphragm
Power Source	48V phantom power
Material	Metal
Signal-to-Noise Ratio	80 dB
Hardware Platform	PC/Laptop
Number of Channels	1
Frequency Response	20 Hz - 20 KHz

Item Weight	3.72 pounds
Package Dimensions	15.55 x 7.44 x 4.17 inches
Item Model Number	PM500
Color	Black
Recommended Uses	Singing, Streaming
Connectivity Technology	XLR
Connector Type	XLR
Polar Pattern	Unidirectional (Cardioid)

7. TROUBLESHOOTING

If you encounter issues with your MAONO PM500 microphone, please refer to the following common solutions:

- **No Sound Output:**
 - Ensure 48V phantom power is enabled on your audio interface or mixer.
 - Check all XLR cable connections to ensure they are secure and correctly plugged in.
 - Verify that the input gain on your audio interface is turned up sufficiently.
 - Confirm that the correct audio input device is selected in your computer's sound settings or recording software.
- **Low Volume or Weak Signal:**
 - Increase the gain on your audio interface.
 - Ensure the microphone is positioned close enough to the sound source (ideally 6-12 inches).
 - Check for any impedance mismatches if using additional audio equipment.
- **Distorted Sound:**
 - Reduce the input gain on your audio interface to prevent clipping.
 - Ensure the microphone is not too close to the sound source, which can cause overload.
 - Check the XLR cable for damage or faulty connections.
- **Excessive Background Noise:**
 - The cardioid pattern helps reduce off-axis noise, but ensure your recording environment is as quiet as possible.
 - Position the microphone to face the desired sound source directly, minimizing pickup from other directions.
 - Ensure the shock mount is properly installed to reduce vibrations from the desk or stand.

8. MAINTENANCE

To ensure the longevity and optimal performance of your MAONO PM500 microphone, follow these maintenance tips:

- **Cleaning:** Gently wipe the microphone body with a soft, dry cloth. Avoid using harsh chemicals or abrasive

materials. For the mesh grille, use a soft brush to remove dust.

- **Storage:** When not in use, store the microphone in a clean, dry place, preferably in its original packaging or a protective case, to prevent dust accumulation and physical damage.
- **Handle with Care:** Avoid dropping or subjecting the microphone to strong impacts, as this can damage the sensitive internal components.
- **Cable Care:** Always grasp the XLR connector when plugging or unplugging the cable, rather than pulling on the cable itself, to prevent damage to the connectors or wiring.

9. WARRANTY AND SUPPORT



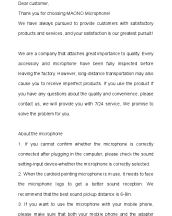
The MAONO PM500 XLR Condenser Microphone comes with a **12-month warranty service** from the date of purchase. This warranty covers manufacturing defects and ensures your product is free from material and workmanship flaws under normal use.

For technical support, warranty claims, or any questions regarding your MAONO PM500 microphone, please contact MAONO customer service through the official MAONO website or your retailer's support channels. Please have your purchase receipt and product model number (PM500) ready when contacting support.

For additional resources and product information, visit the official [MAONO Store](#).

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Related Documents - PM500

	<p>Maono AU-PM500 Professional Large Diaphragm Microphone User Manual</p> <p>User manual for the Maono AU-PM500, a professional large diaphragm condenser microphone designed for vocals, music creation, and sound production. Features include a 34mm metal diaphragm capsule, balanced XLR output, full metal body, and custom shock mount. Includes specifications, features, and setup instructions.</p>
	<p>MAONO PD400X Microphone User Guide and Software Features</p> <p>Detailed guide for the MAONO PD400X microphone, covering MAONO Link software, custom EQ features in basic and advanced modes, firmware updates, and Windows configuration. Optimize your audio settings for podcasting, streaming, and recording.</p>
	<p>MAONO PM461TR USB Microphone User Manual Setup, Troubleshooting & Support</p> <p>User guide and support information for the MAONO PM461TR USB microphone. This document provides details on connecting, using, and troubleshooting the microphone for various applications including podcasting, recording, gaming, streaming, and voice-overs on PC, Mac, and consoles. Includes contact information for MAONO customer support.</p>
	<p>Maonocaster G1 Neo Gaming Audio Mixer User Manual</p> <p>User manual for the Maonocaster G1 Neo Gaming Audio Mixer, detailing its features, setup, and troubleshooting for gaming, streaming, podcasting, and recording. Includes information on microphone inputs, phantom power, Bluetooth connectivity, sound effects, and more.</p>



Mikrofon z statywem Maono A04E



Maono A04E USB Microphone with Stand - User Manual

Comprehensive user manual for the Maono A04E USB condenser microphone, covering setup, features, specifications, usage tips, and software guide for Windows and macOS.

Dear customer,

Thank you for choosing MACNO Microphone!

We have always pursued to provide customers with satisfactory products and services, and your satisfaction is our greatest pursuit.

We are a company that attaches great importance to quality. Even accessories and components have been fully inspected before leaving the factory. However, long-distance transportation may also cause you to receive imperfect products. If you use the product and you have any questions about the quality and convenience, please contact us, we will provide you with 24-hour service, we promise to solve the problem for you.

[MAONO Microphone User Guide and Support](#)

Comprehensive guide for MAONO microphones, covering setup, usage tips, troubleshooting, and after-sales support. Learn how to get the best performance from your MAONO microphone.

About the microphone

1. If you cannot confirm whether the microphone is correctly connected after plugging in the computer, please check the sound setting-input device whether the microphone is correctly selected.
2. When the laptop microphone is in use, you need to be closer to the microphone to get better sound reception. We recommend to clip the microphone to your collar.
3. If you want to use the microphone with your mobile phone, please make sure that both your mobile phone and the adapter are fully charged.