

MAONO AU-A04H

MAONO AU-A04H USB Condenser Microphone and Studio Headphone Set Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your MAONO AU-A04H USB Condenser Microphone and Studio Headphone Set. This professional audio kit is designed for high-quality sound capture and monitoring, suitable for podcasting, streaming, gaming, voice-overs, and various content creation needs. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Figure 1.1: MAONO AU-A04H Microphone and Studio Headphone Set

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Condenser Microphone
- 1 x Wired Headphones
- 1 x Adjustable Scissor Arm Stand
- 1 x Metal Shock Mount
- 1 x Pop Filter
- 1 x Foam Mic Windscreen
- 1 x Table Mounting Clamp
- 1 x USB-B to USB-A Cable
- 1 x 3.5mm to 6.35mm Adapter



Figure 2.1: Complete MAONO AU-A04H Package Contents

3. SETUP INSTRUCTIONS

3.1. Assembling the Microphone Arm and Accessories

1. Attach the table mounting clamp to the edge of your desk or table. Ensure it is securely tightened.
2. Insert the adjustable scissor arm stand into the hole on the table mounting clamp. Tighten the knob to fix its position.
3. Screw the metal shock mount onto the end of the scissor arm stand.
4. Gently place the condenser microphone into the metal shock mount.
5. Attach the pop filter to the microphone arm, positioning it approximately 2-3 inches in front of the microphone.
6. Slide the foam mic windscreen over the microphone for additional plosive and wind noise reduction.



Figure 3.1: Assembled Microphone on Boom Arm



Figure 3.2: Pop Filter and Foam Mic Windscreen

3.2. Connecting the Microphone and Headphones

1. Connect the USB-B end of the provided cable to the bottom of the condenser microphone.
2. Connect the USB-A end of the cable to an available USB port on your computer (Mac or Windows) or Linux operating system. The microphone is plug-and-play and does not require additional driver software or an external sound card.
3. Plug the 3.5mm jack of the studio headphones into the headphone port on your computer or audio interface. If connecting to a mixer or phantom power unit, use the included 3.5mm to 6.35mm adapter.

Video 3.1: Official MAONO AU-A04H Microphone and Headphone Set Overview and Setup

4. OPERATING INSTRUCTIONS

4.1. Microphone Usage

- **Polar Pattern:** The AU-A04H features a cardioid polar pattern, which primarily picks up sound from the front of the microphone, reducing unwanted background noise from the sides and rear. Position the microphone directly towards the sound source (e.g., your mouth).
- **Sampling Rate:** With a professional sound chipset, the microphone supports a high-resolution sampling rate of 192kHz/24bit, ensuring clear and accurate audio reproduction.
- **Frequency Response:** The smooth, flat frequency response of 30Hz-16kHz is optimized for singing, speech, and voice-over applications.



Figure 4.1: Headphone 50mm Driver for Immersive Sound

4.2. Headphone Usage

- **Audio Quality:** Equipped with proprietary 50mm large-aperture drivers, the headphones deliver deep, accurate bass response and clear audio.
- **Comfort and Design:** The ergonomic design features soft earmuffs and a circumaural design that contours around the ears, providing good sound isolation and breathability for extended wear. The headband is made of PC + ABS for durability and lightweight comfort.
- **Adjustability:** The headphones are foldable and feature 90-degree swiveling earcups for easy single-side monitoring, ideal for DJs or sound engineers. The headband is stretchable to fit various head sizes.
- **Cable Length:** A 9.8ft coiled retractable headphone cable provides ample movement space.

 Comfortable to wear

 Foldable design

 118inch long
headphone cable

 Excellent sound
isolation

 Designed for studio
tracking and mixing

 Suitable for listening
to music

 3.5mm and 6.35mm
plug included



Figure 4.2: Headphone Features



Figure 4.3: Soft Protective Earmuffs and Adjustable Size



Figure 4.4: User utilizing the MAONO AU-A04H Set

5. MAINTENANCE

- Keep the microphone and headphones clean by wiping them with a soft, dry cloth.
- Avoid exposing the equipment to extreme temperatures, humidity, or direct sunlight.
- Store the set in a clean, dry place when not in use to prevent dust accumulation and damage.
- Handle cables carefully to prevent kinks or damage, which can affect audio quality.

6. TROUBLESHOOTING

6.1. No Sound from Microphone

- Ensure the USB cable is securely connected to both the microphone and your computer.
- Check your computer's sound settings to ensure the MAONO microphone is selected as the default input device.
- Verify that the microphone's volume is not muted or set too low in your operating system or recording software.
- Try connecting the microphone to a different USB port or another computer to rule out port or system

issues.

6.2. Poor Audio Quality / Background Noise

- Ensure the microphone is positioned correctly, facing the sound source directly, to utilize its cardioid polar pattern effectively.
- Use the pop filter and foam windscreen to reduce plosives (P and B sounds) and wind interference.
- Minimize ambient noise in your recording environment (e.g., turn off fans, close windows).
- Check your computer's audio settings for the microphone and adjust the input gain. Avoid setting it too high, which can introduce hiss or distortion.
- The double-shielded USB cable helps reduce interference; ensure it is not coiled tightly or near other electronic devices that could cause electromagnetic interference.

6.3. No Sound from Headphones / Echo in Headset

- Ensure the headphone jack is fully inserted into the correct port on your computer or audio device.
- Check your computer's sound settings to ensure the headphones are selected as the default output device.
- Adjust the volume levels on your computer and any connected audio software.
- If experiencing an echo, check your audio software settings for monitoring options. Ensure that microphone monitoring is not enabled directly through the headphones if it causes feedback. Adjusting the microphone's sample rate to 24 bit, 192000 Hz in Windows Control Panel (under Advanced tab of microphone properties) can sometimes resolve audio issues.

7. SPECIFICATIONS

7.1. Microphone (AU-A04H)

- **Microphone Core:** Dia.16mm Condenser
- **Polar Pattern:** Cardioid
- **Frequency Response:** 30Hz-16kHz
- **Sampling Rate:** 192kHz/24bit
- **Signal-to-Noise Ratio:** 96 dB
- **Connectivity:** USB (USB-B to USB-A Cable)
- **Material:** Metal
- **Compatible Devices:** Mac, Personal Computer (Windows, Linux)



Figure 7.1: MAONO AU-A04H Condenser Microphone

7.2. Studio Headphones

- **Driver Diameter:** 50mm
- **Impedance:** 32 ohms
- **Frequency Range:** 20 Hz-20 kHz
- **Sensitivity:** 96 dB
- **Cord Length:** 9.8ft (coiled retractable)
- **Connector:** 3.5mm stereo mini-jack (with 6.35mm adapter)
- **Design:** Foldable, adjustable, single-side monitoring (90-degree swivel)



Figure 7.2: MAONO Studio Headphone Driver

8. SUPPORT

For technical support or further assistance, please contact MAONO directly:

- **Email:** support@maono.com
- **Website:** www.maono.com

Please refer to the official MAONO website for any warranty information or policy details.