

Aokeo AO-403

Aokeo Professional Studio Recording Microphone Isolation Shield Instruction Manual

Model: AO-403

Brand: Aokeo

INTRODUCTION

The Aokeo Professional Studio Recording Microphone Isolation Shield (Model AO-403) is designed to enhance the quality of audio recordings by minimizing unwanted ambient noise and sound reflections. Its inner side features sound-absorbing cotton insulation, effectively reducing echo and improving vocal clarity. This portable and versatile shield is suitable for various recording environments, from home studios to professional setups.



Figure 1: Aokeo Professional Studio Recording Microphone Isolation Shield, showcasing its curved design and acoustic foam interior.

SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to do so may result in injury or damage to the product.

- Ensure the isolation shield is securely mounted to a stable surface or microphone stand to prevent tipping.
- Do not expose the product to extreme temperatures or direct sunlight for prolonged periods.
- Keep the product away from water or other liquids.
- Do not attempt to disassemble or modify the product. Refer all servicing to qualified personnel.
- Keep out of reach of children.

PACKAGE CONTENTS

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

- Microphone Isolation Shield (1)
- Washer (3)
- Connecting Rod (1)
- Rod Nut (2)
- Adapter (1)
- Instruction Manual (1)

PORTABLE FOLDABLE

The combination of three panels can adjust the angle and fold easily. Can be carry and used, and can adjust that space size of the record environment



Easy to fold, easy to carry when going out.

Figure 2: Illustration of the product components included in the package.

SETUP INSTRUCTIONS

The Aoeko Microphone Isolation Shield offers versatile setup options, allowing it to be placed on a desktop or mounted onto a microphone stand. Follow these steps for assembly:

Option 1: Desktop Setup

1. Unfold the isolation shield. The three panels can be adjusted to create the desired acoustic environment.
2. Ensure the built-in desktop support feet at the bottom of the shield are extended for stability.
3. Place the shield on a flat, stable surface. Position your microphone in front of the shield.

STEADY SUPPORT

Three stable support feet are added at the bottom of the soundproof cover, which can be placed on the desktop for recording



Figure 3: Desktop setup of the isolation shield with a microphone, demonstrating stable support.



Figure 4: Visual representation of desktop placement and floor stand compatibility.

Option 2: Microphone Stand Mounting

1. Unfold the isolation shield.
2. Attach the provided connecting rod to the central panel of the isolation shield. Secure it with the rod nuts.

3. If your microphone stand has a 5/8-inch thread, use the included adapter to convert it to a 3/8-inch thread, if necessary.
4. Mount the assembled isolation shield onto your microphone stand. Ensure it is tightened securely to prevent movement during use.
5. Attach your microphone to the stand, positioning it within the isolation shield for optimal sound capture.

DUAL FOLDING SOUNDPROOFING



Absorb calcium ions



Color filter layer



reflecting layer



Note: the product does not include microphone and floor stand

Figure 5: Detailed steps for installing the microphone and mounting the shield to a stand.



Figure 6: The isolation shield in use with a microphone on a stand during a recording session.

OPERATING INSTRUCTIONS

The Aokeo Microphone Isolation Shield is designed to create a more controlled acoustic environment for recording. Its primary function is to reduce ambient noise and minimize sound reflections, leading to cleaner audio.

- **Positioning:** Place the shield behind or around your microphone, ensuring the acoustic foam interior faces the sound source (e.g., vocalist, instrument).
- **Angle Adjustment:** The folding panel design allows for angle adjustments. Experiment with different angles to find the optimal setup that best isolates your microphone from unwanted room acoustics.
- **Sound Absorption:** The high-density sound-absorbing foam sponge effectively absorbs sound waves, preventing them from reflecting back into the microphone.

REDUCE AMBIENT NOISE



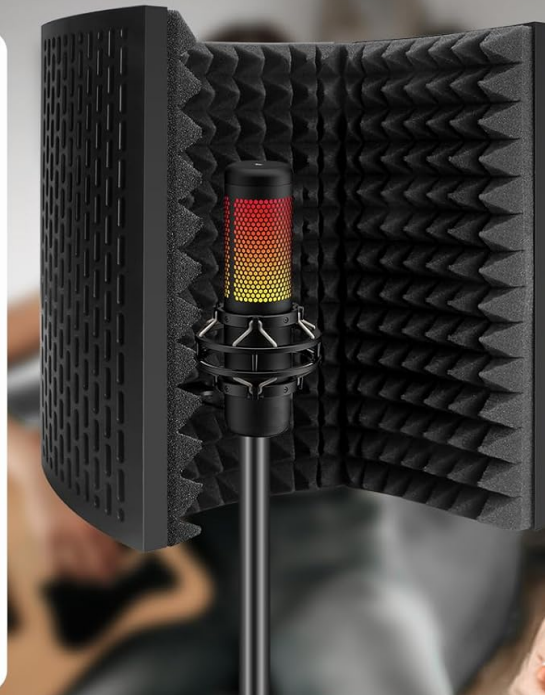
Reflective layer



Filter layer



Absorbing layer



Prevent sound reflection and diffuse reflection



Human voice



Ambient noise

Noise reflection

Noise fades or even disappears

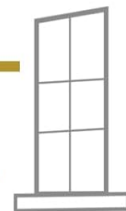


Figure 7: Visual explanation of the shield's noise reduction and reflection control capabilities.

AOKEO MICROPHONE ISOLATION SHIELD



Figure 8: Illustration of sound absorption and reverberation control by the shield.

MAINTENANCE

To ensure the longevity and optimal performance of your Aokeo Microphone Isolation Shield, follow these maintenance guidelines:

- **Cleaning:** Wipe the exterior surfaces with a soft, dry cloth. For the acoustic foam, gently dust with a soft brush or use a low-power vacuum cleaner with a brush attachment. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use, fold the shield for compact storage. Store it in a cool, dry place away from direct sunlight and excessive humidity.
- **Handling:** Handle the shield with care to prevent damage to the acoustic foam or the structural components.

FOLDING SAVES SPACE

The combination of three panels can adjust the angle greatly and can be easily folded. Convenient packaging and use, effective adjustment of recording environment space

FOLDING MODE	FOLDABLE ANGLE	HEIGHT AND WIDTH AFTER FOLDING
Fold inward	Folding angle $\leq 45^\circ$	Height: 295mm (11.6in) width: 230mm (9in)



Figure 9: The folding design allows for convenient storage and portability.

TROUBLESHOOTING

If you encounter issues with your Aokeo Microphone Isolation Shield, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Shield is unstable or wobbles.	Not securely mounted or placed on an uneven surface.	Ensure all connections (rod nuts, stand mount) are tightened. If on a desktop, verify the surface is flat and stable.

Problem	Possible Cause	Solution
Poor sound isolation.	Incorrect positioning of the shield or microphone.	Adjust the shield's angle and position relative to the microphone and sound source. Ensure the foam faces the sound source.
Difficulty attaching to microphone stand.	Incompatible thread size or missing adapter.	Use the provided adapter if your stand has a 5/8-inch thread. Ensure the adapter is correctly installed. Note that the shield is guaranteed to fit Aokeo branded stands.

SPECIFICATIONS

Feature	Detail
Model Number	AO-403
Material	Metal + Cotton (Acoustic Foam)
Item Weight	1.21 pounds (550 Grams)
Product Dimensions (L x W x H)	12.99 x 8.27 x 1.77 inches
Dimensions (Fully Extended)	11.6 inches (29cm) Tall, 18.5 inches (47cm) Wide
Sound Insulation Layer Thickness	41mm
Compatibility	Suitable for various microphones, including Blue Yeti and condenser microphones. Fits Aokeo branded stands.
Features	Folding design, desktop support feet, high-density sound-absorbing foam.

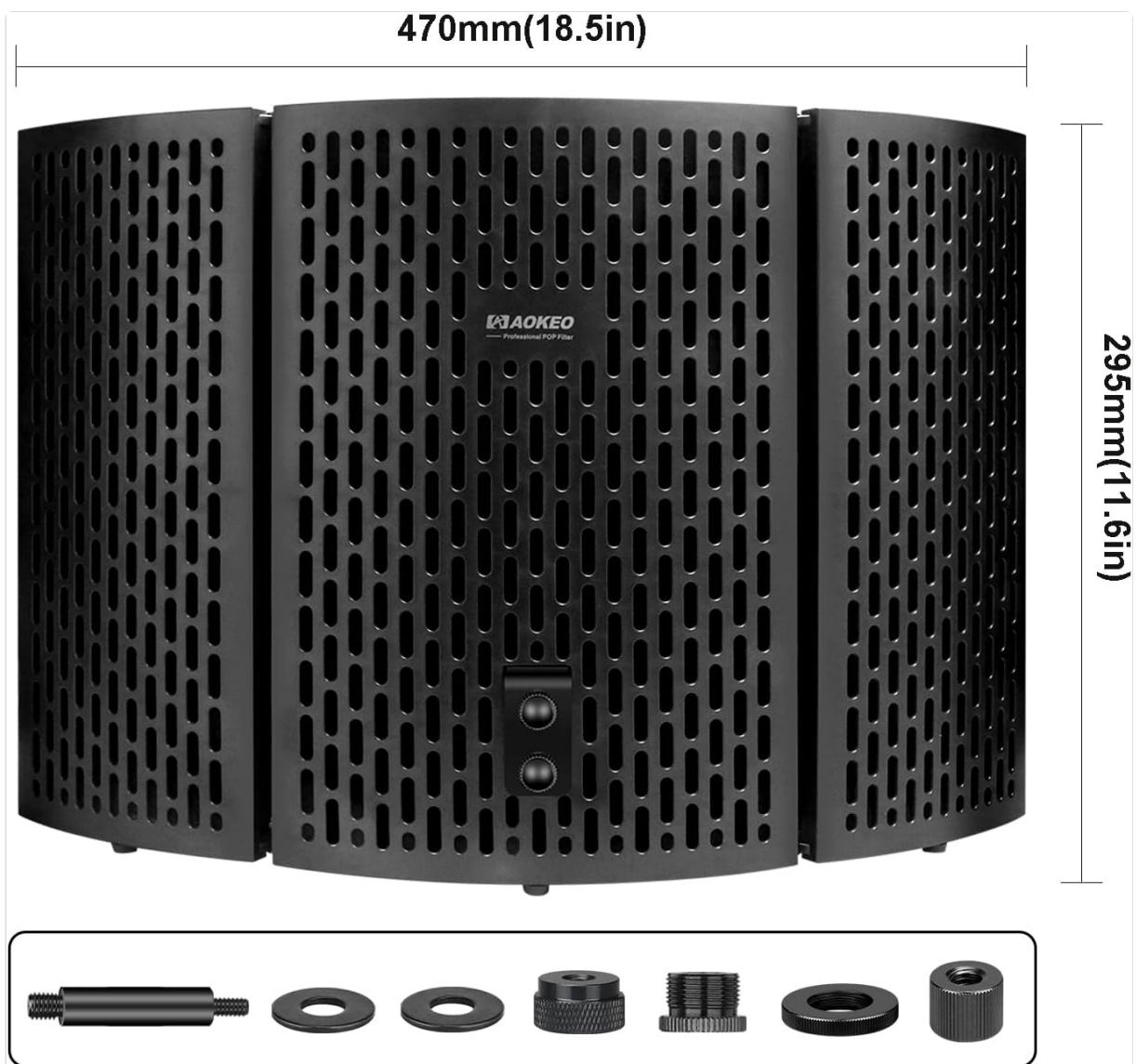


Figure 10: Product dimensions for reference.

WARRANTY AND SUPPORT

Aokeo is committed to providing high-quality products. For any questions, concerns, or technical support regarding your Microphone Isolation Shield, please contact Aokeo customer service through the official Amazon store page or the contact information provided with your purchase. Please retain your proof of purchase for warranty claims.

Visit the [Aokeo Store on Amazon](#) for more information and support resources.