

Aokeo AO-504

Aokeo Professional Microphone Isolation Shield

USER MANUAL

Product Overview

The Aokeo Professional Microphone Isolation Shield (Model AO-504) is designed to enhance recording quality by minimizing unwanted acoustic interference. It features a multi-layer design with sound-absorbing cotton and a metal ventilation back panel, effectively reducing sound reflection and ambient noise during vocal and instrument recording.



Image: The Aokeo Microphone Isolation Shield, showcasing its curved, foldable design with sound-absorbing foam on the interior and various mounting accessories.

This shield is ideal for professional studio recording, personal recording setups, and music studios, providing a cleaner and more focused sound capture. Its compact and foldable design ensures portability and ease of storage.

Setup and Installation

The Aoeko Microphone Isolation Shield offers versatile installation options, allowing it to be used on a desktop or mounted on a microphone stand.

Package Contents:

- 1 x Isolation Shield (with two feet, an adapter, a nut, an iron box)
- 1 x Long Connecting Rod
- 1 x Short Connecting Rod
- 1 x Adapter
- 1 x Washer
- 1 x Crossbar
- 1 x User Manual

Installation Steps:

1. **Desktop Use:** For desktop placement, simply unfold the shield and ensure the two feet are securely attached to the bottom. Place it on a flat, stable surface.
2. **Microphone Stand Mounting:**
 - Attach the crossbar to the bottom of the isolation shield using the provided screws.
 - Depending on your microphone stand's thread size, use the appropriate adapter (3/8" internal to 5/8" external thread adapter is included).
 - Screw the shield assembly onto your microphone stand. Ensure it is tightened securely to prevent wobbling.
 - The shield can also be fixed to the back clip of certain microphone stands for added stability. The back clamp features scratch-proof sponge to protect your stand.
3. **Microphone Placement:** Position your microphone within the isolation shield. The shield is designed to accommodate various microphone types, including condenser microphones.

INSTALLATION



1. Isolation Shield
2. Microphone Stand(not include)
3. Iron sleeve
4. Crossbar
5. Nut
6. Connecting rod nut
7. Washer
8. Connecting Rod
9. Adapter

The microphone stand can also be fixed on the back clip.

Microphone and stand is not included



Use in the desk



Floor stand can be purchased at the store

Use with floor stand

Image: Detailed diagram illustrating the components and assembly process for the Aokeo Microphone Isolation Shield, including parts for both desktop and stand mounting.

BACK CLAMP OF ISOLATION SHIELD

Note: The product does not include floor stand



Rotational fixation



Scratch-proof sponge



Image: A close-up view of the back clamp mechanism on the Aokeo Isolation Shield, showing how it attaches to a microphone stand and the protective sponge to prevent scratches.

Note: Microphones, headphones, and microphone stands are not included with the isolation shield and must be purchased separately.

Operating Instructions

The Aokeo Microphone Isolation Shield is designed for optimal sound absorption and reflection reduction. Follow these guidelines for best performance:

Noise Reduction Mechanism:

The shield features a multi-layer design to effectively manage sound. The inner layer consists of sound-absorbing cotton material, which reduces sound reflection during recording. The outer metal ventilation panel helps dissipate sound waves, preventing unwanted noise from entering your microphone.

MULTI-LAYER REDUCES NOISE

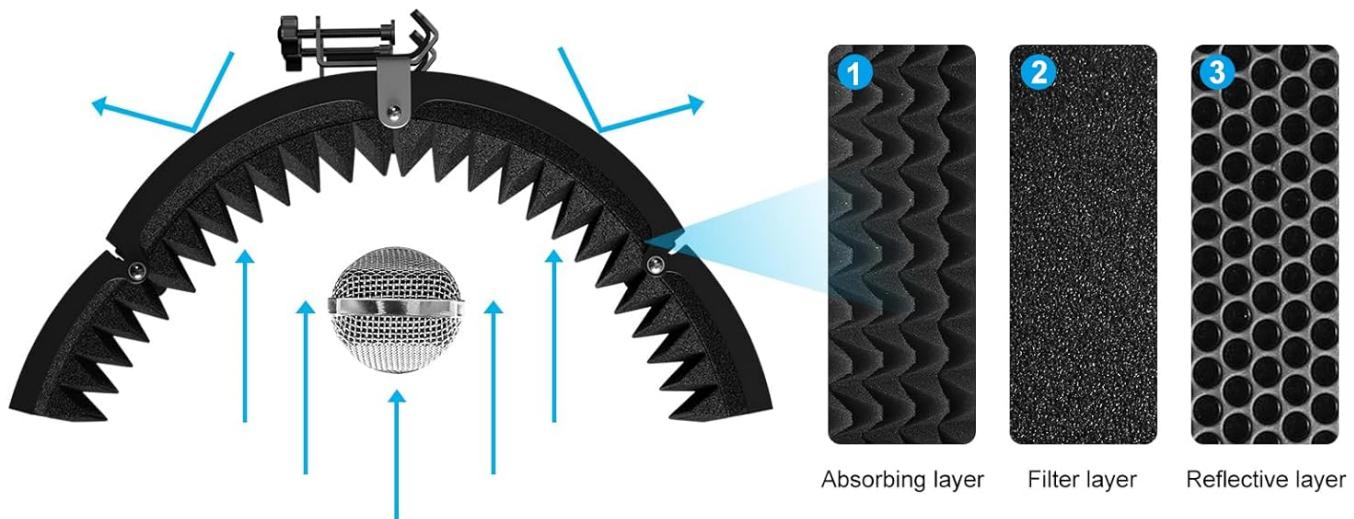
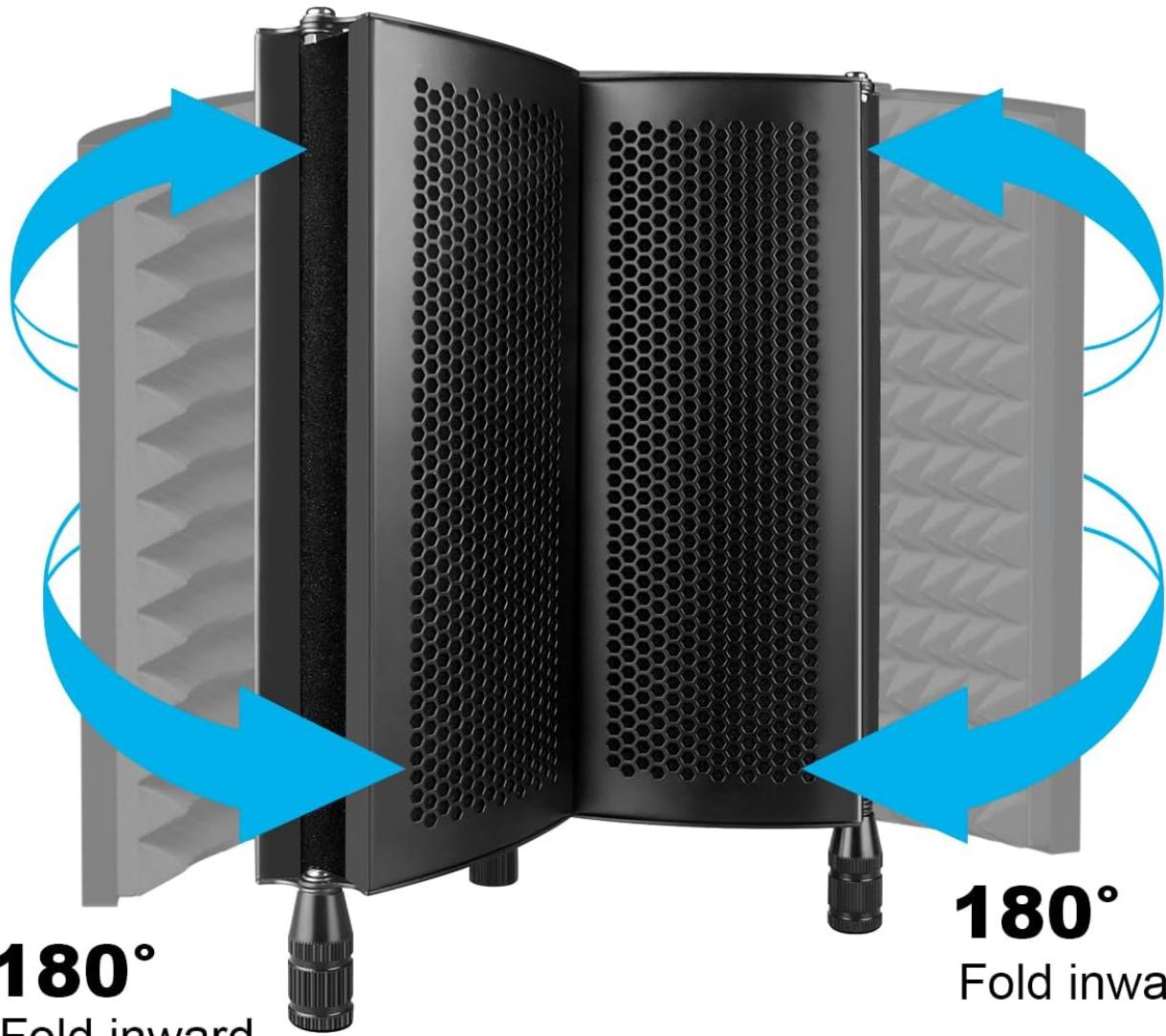


Image: A diagram showing the multi-layer construction of the shield (absorbing, filter, reflective layers) and how it prevents outside noise reflection, leading to clearer sound capture.

Adjustability and Flexibility:

The isolation shield features foldable panels that allow for angle adjustments. You can fold the side panels inward by 180 degrees to create a more enclosed space around the microphone, further enhancing sound isolation. This flexibility allows you to optimize the shield's position for different recording environments and microphone setups.

FOLDABLE AND ADJUSTABLE



180°
Fold inward

180°
Fold inward



Flexibility & Convenience: allow for angle adjustments, Compact design, lightweight construction as well as foldability allow you to carry it easily and take along wherever you go

Image: The Aokeo Isolation Shield with arrows indicating its 180-degree inward folding capability, highlighting its adjustable and portable design.

Recommended Usage:

- **Vocal Recording:** Position the shield directly behind or around the microphone to minimize room reflections and external noise, ensuring clear vocal capture.
- **Instrument Recording:** Use the shield to isolate instruments, reducing bleed from other sound sources in a multi-instrument recording setup.
- **Podcasting/Streaming:** Improve audio quality for podcasts, live streams, and voiceovers by creating a more controlled acoustic environment.



WIDE RANGE OF USES

- Professional recording
- Personal recording
- Music studio.etc.

Note: Floor stand, earphone and microphone is not included



Image: A collage demonstrating the wide range of uses for the Aoeko Microphone Isolation Shield, including professional recording, personal recording, and music studio applications, showing it in use with a guitarist and vocalists.

Maintenance

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

- **Cleaning:** Gently wipe the metal surfaces with a soft, dry cloth to remove dust. For the foam interior, use a soft brush or a vacuum cleaner with a brush attachment to remove any accumulated dust or debris. Avoid using liquid cleaners directly on the foam.
- **Storage:** When not in use, fold the shield to its compact size and store it in a dry, cool place away from direct sunlight and excessive humidity.
- **Handling:** Handle the shield with care to prevent damage to the foam or bending of the metal panels. Avoid dropping the unit.

Troubleshooting

If you encounter any issues while using your Aokeo Microphone Isolation Shield, consider the following common troubleshooting tips:

- **Poor Sound Isolation:**

- Ensure the shield is properly positioned around your microphone. The microphone should be placed within the curved area of the shield.
- Adjust the angle of the foldable panels to create a more enclosed space, especially if there are significant reflections from the sides.
- Check for any gaps between the shield and the microphone stand (if mounted) that might allow sound to bypass the shield.

- **Shield Instability:**

- If using on a desktop, ensure the surface is flat and stable.
- If mounted on a stand, verify that all screws and adapters are securely tightened. Ensure your microphone stand is robust enough to support the shield and microphone's weight.

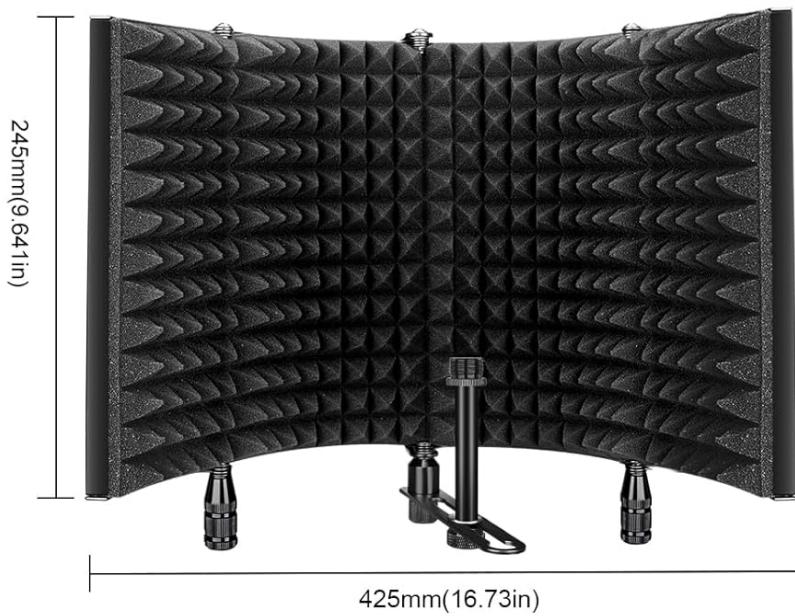
- **Damaged Foam:**

- Avoid pressing or poking the foam aggressively. Minor indentations may recover over time. Significant damage may affect performance.

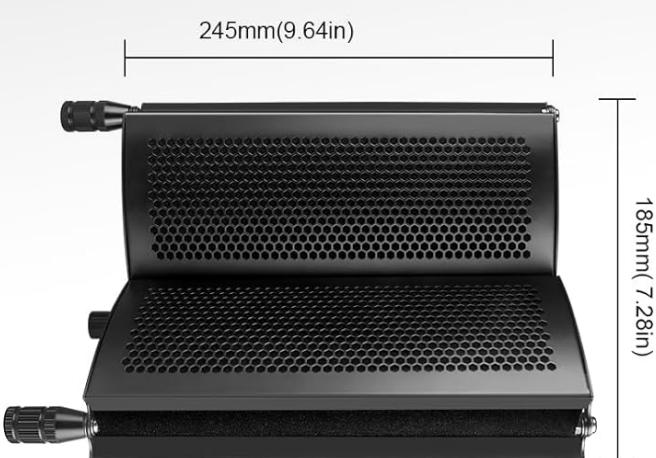
If the issue persists, please refer to the warranty and support section for further assistance.

Specifications

SPECIFICATIONS



- **Expanded size**



- **Folding size**

Image: A diagram showing the expanded dimensions (425mm width, 245mm height) and folded dimensions (245mm width, 185mm height) of the Aokeo Microphone Isolation Shield.

Feature	Detail
Model Number	AO-504
Material	Metal (panels), Sound-absorbing cotton (interior)
Expanded Dimensions (L x H)	425 mm (16.73 in) x 245 mm (9.64 in)
Folded Dimensions (L x H)	245 mm (9.64 in) x 185 mm (7.28 in)
Item Weight	1.5 Kilograms
Connectivity Technology	Wired (for microphone connection, not shield itself)
Special Feature	Prevents noise from entering your microphone

Feature	Detail
Compatible Devices	Microphones (various types)
Included Components	Isolation shield, user manual, various adapters and rods
Recommended Uses	Gaming, Streaming, Singing, Recording

Warranty and Support

Aokeo is committed to providing quality products and services. For your Aokeo Microphone Isolation Shield (Model AO-504), one year of after-sales service is provided free of charge from the date of purchase.

This warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

For technical support, warranty claims, or any inquiries regarding your product, please contact Aokeo customer service through the official channels provided at the point of purchase or on the Aokeo official website. Please have your product model number (AO-504) and proof of purchase ready when contacting support.

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