

Moukey MPFBK3

Moukey Microphone Isolation Shield MPFBK3

User Manual

Model: MPFBK3 | Brand: Moukey

1. INTRODUCTION

The Moukey MPFBK3 Microphone Isolation Shield is designed to enhance the quality of your audio recordings by minimizing unwanted ambient noise and controlling sound reflections. It features a multi-layer structure with absorbing, filtering, and reflective components to create a more focused and clear sound environment. This manual provides instructions for setting up, operating, and maintaining your isolation shield.



Image 1.1: Moukey Microphone Isolation Shield highlighting sound absorption and noise reduction capabilities.

2. PACKAGE CONTENTS

Please verify that all components are present before proceeding with assembly:

- Moukey MPFBK3 Microphone Isolation Shield (main unit)
- Mounting hardware for microphone stand attachment

- 3/8-inch to 5/8-inch thread adapter (for microphone compatibility)

3. SETUP INSTRUCTIONS

The Moukey MPFBK3 Microphone Isolation Shield can be used in two primary configurations: desktop placement or mounted on a microphone stand.

3.1 Unfolding the Isolation Shield

Gently unfold the panels of the isolation shield to form the desired arc around your microphone. The foldable design allows for flexible positioning.

3.2 Desktop Use

For desktop use, simply place the unfolded isolation shield on a flat surface. Ensure the non-slip support points are stable to prevent tipping.



Image 3.1: The isolation shield configured for desktop use.

3.3 Microphone Stand Mounting

1. Attach the provided mounting hardware to the central panel of the isolation shield.
2. Securely fasten the isolation shield to your microphone stand.
3. Use the included 3/8-inch to 5/8-inch metal adapter if your microphone or shock mount requires a different thread size for compatibility.

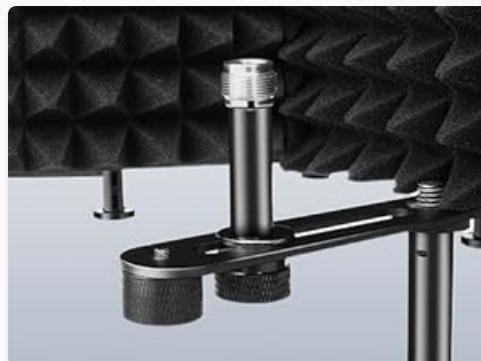


Image 3.2: Disassembly diagram illustrating the mounting process for a microphone stand.



Image 3.3: The isolation shield mounted on a microphone stand.

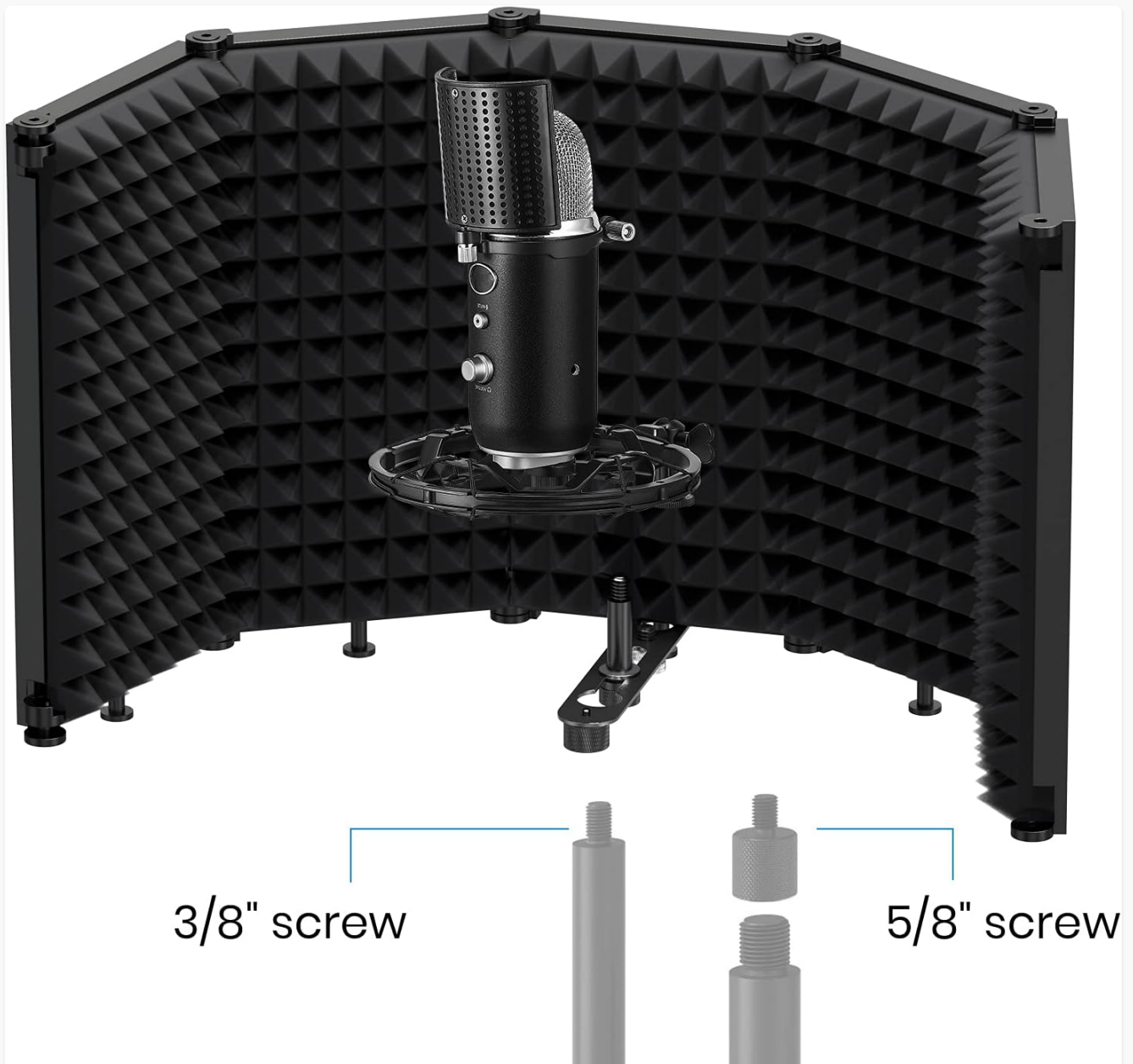


Image 3.4: Detailed view of the 3/8-inch and 5/8-inch screw adapters for microphone compatibility.

4. OPERATION

The Moukey MPFBK3 Microphone Isolation Shield is designed to optimize your recording environment by managing sound waves effectively.

4.1 Noise and Echo Reduction

The shield features a triple sound insulation design:

- **Absorbing Layer:** The inner high-density acoustic foam prevents sound reflection back into the microphone.
- **Filter Layer:** Filters unwanted noise from the surrounding environment.
- **Reflective Layer:** Reflects extra acoustic noise away from the microphone.

This multi-layer structure works to eliminate audio wave bounces and interference, resulting in cleaner recordings.



Image 4.1: Illustration of the isolation shield's function in eliminating echo and attenuating noise.





Image 4.2: Diagram detailing the multi-layer structure for noise reduction.


Monkey

MICROPHONE ISOLATION SHIELD

Sound absorption and noise reduction


Reduce Noise


Foldable


Absorb Echo



Anti-Reflection

Image 4.3: Visual representation of how the shield controls reverberation and reflection.

4.2 Adjustability

The 3-panel design is foldable, allowing for easy adjustment of the arch to achieve optimal sound insulation for various recording scenarios. This flexibility also aids in storage and portability.



Image 4.4: Illustration of the dual folding soundproofing mechanism.

4.3 Applications

The Moukey MPFBK3 is suitable for a wide range of audio recording activities, including:

- Radio broadcasting and chat
- Dubbing and gaming
- Vocal recording and singing
- Teaching and podcast production

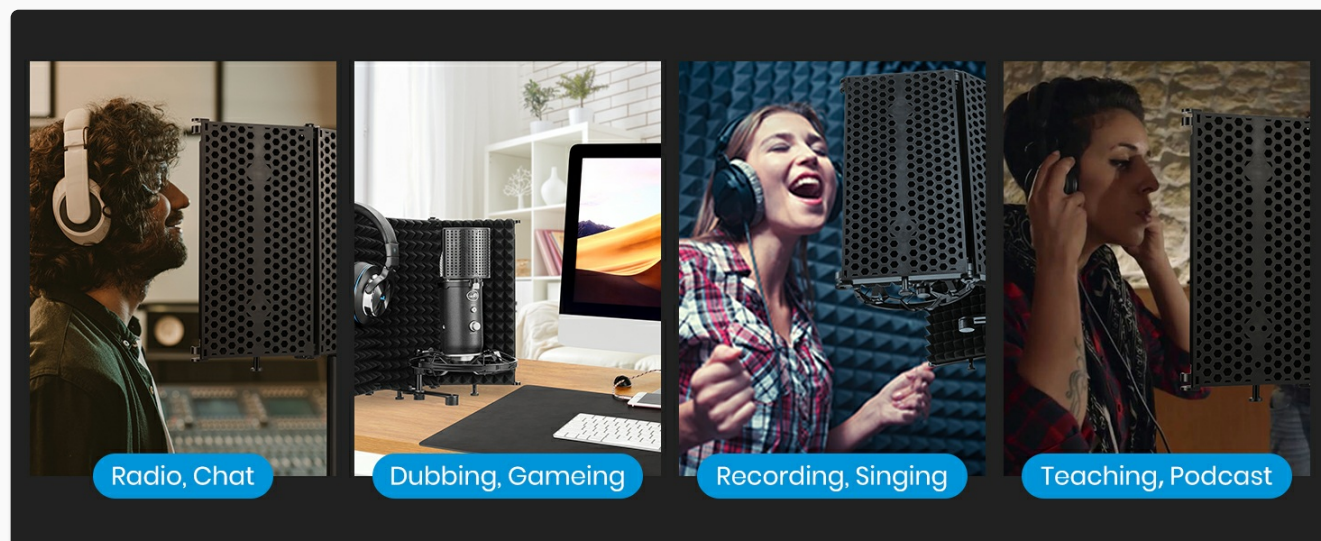


Image 4.5: Examples of various applications for the microphone isolation shield.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Moukey MPFBK3 Microphone Isolation Shield, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the exterior surfaces with a soft, dry cloth. For the acoustic foam, use a soft brush or a

vacuum cleaner with a brush attachment to remove dust. Avoid using liquid cleaners directly on the foam.

- **Storage:** When not in use, fold the shield to its compact form and store it in a dry, dust-free environment.
- **Handling:** Handle the shield carefully to avoid damaging the acoustic foam or the ABS material panels.

6. TROUBLESHOOTING

If you encounter issues with your microphone isolation shield, consider the following common solutions:

Problem	Possible Cause	Solution
Reduced sound isolation effectiveness	Incorrect positioning of the shield or microphone.	Adjust the shield's arch and microphone placement to ensure the microphone is adequately surrounded by the foam. Ensure the shield is positioned between the microphone and the primary source of unwanted noise/reflections.
Shield instability (desktop use)	Uneven surface or improper placement of support points.	Ensure the shield is placed on a flat, stable surface. Verify that all non-slip support points are making full contact with the surface.
Microphone not fitting on stand mount	Incorrect thread size.	Use the provided 3/8-inch to 5/8-inch thread adapter to match your microphone or shock mount's thread size.

7. SPECIFICATIONS

Feature	Detail
Model Number	MPFBK3
Item Weight	0.96 Kilograms (2.11 pounds)
Product Dimensions (L x W x H)	7.09 x 6.5 x 12.99 inches
Material	Metal, ABS plastic
Color	Black
Size	M (17.8" x 12.8")
Recommended Uses	Singing, Voice Recording, Streaming, Broadcasting
Connectivity Technology	XLR (for compatible microphones)
Special Feature	Stand compatibility

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Moukey MPFBK3 Microphone Isolation Shield, please refer to the documentation included with your purchase or visit the official Moukey website. Contact customer service for assistance with product issues or inquiries.

