

## Eboxer Eboxer Headset Microphone

# Eboxer Portable Mini 3.5mm Headset Microphone User Manual

Model: Eboxer Headset Microphone

## 1. INTRODUCTION

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your Eboxer Portable Mini 3.5mm Headset Microphone. Designed for versatility, this head-mounted microphone is suitable for various applications including voice amplification, public speaking, teaching, stage performances, karaoke, and computer use. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

## 2. PRODUCT OVERVIEW

The Eboxer Headset Microphone features a lightweight, head-wear design for comfortable and secure placement. It incorporates a flexible wired boom for precise microphone positioning and connects via a standard 3.5mm jack.

### Key Features:

- **Head-Wear Design:** Provides hands-free operation and stable positioning.
- **Durable Construction:** Made from high-quality ABS material for extended use.
- **Unidirectional Microphone Core:** Engineered to capture clear sound while minimizing feedback and whistling.
- **Flexible Boom:** Allows for easy adjustment of the microphone's position relative to the mouth.
- **Noise-Cancelling Capability:** Filters mid-to-high frequency noise for clearer audio transmission.
- **Thickened Sponge Cover:** Helps prevent sound distortion and protects the microphone.



Figure 2.1: The Eboxer Portable Mini 3.5mm Headset Microphone, showcasing its compact design and 3.5mm connector.

## Head wear type microphone

Imported a single directivity Microphone-core, not easy to produce whistle, the sound is clear



Figure 2.2: An individual demonstrating the proper way to wear the head-mounted microphone for optimal comfort and sound pickup.

# Professional noise-cancelling microphone, which can filter mid-to-high frequency noisy noise and achieve clear calls



Figure 2.3: Illustration of the microphone's noise-cancelling capabilities, showing a frequency response graph that indicates filtered mid-to-high frequency noise for clear calls.

## 3. SETUP

### 3.1 Connecting the Microphone

1. Locate the 3.5mm audio input jack on your target device (e.g., voice amplifier, speaker, computer, smartphone).
2. Insert the 3.5mm jack of the Eboxer microphone firmly into the device's audio input port.
3. Ensure the connection is secure to prevent audio interruptions.

### 3.2 Wearing the Headset

1. Gently place the headset over your head, ensuring the ear loops rest comfortably behind your ears.
2. Adjust the flexible boom so that the microphone capsule is positioned approximately 1-2 inches (2.5-5 cm) from the corner of your mouth. This optimal distance helps capture your voice clearly and reduces breath noise.
3. Verify that the headset feels secure and comfortable for extended wear.

# Ergonomic Design

High-sensitivity microphone head, clear and loud sound, anti-whistling, ergonomic and comfortable to wear



Figure 3.1: An individual wearing the Eboxer headset, highlighting its ergonomic design for comfortable and stable use.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Basic Operation

1. Once connected, ensure your audio device (amplifier, speaker, computer) is powered on and its volume is set to a low level.
2. Speak into the microphone at a normal speaking volume.
3. Gradually increase the volume on your connected device until the desired audio output level is achieved.
4. Due to the unidirectional pickup pattern, speak directly towards the microphone capsule for the best sound quality and to minimize background noise.

### 4.2 Usage Scenarios

- **Public Speaking/Teaching:** Ideal for presentations, lectures, and classroom instruction, providing clear voice projection.
- **Stage Performance/Karaoke:** Suitable for vocal performances where hands-free operation is beneficial.
- **Computer Use:** Can be used for online meetings, voice recording, or gaming when connected to a compatible computer audio input.



Figure 4.1: A collage illustrating diverse applications of the Eboxer headset microphone, including dance instruction, sports coaching, classroom teaching, and public speaking.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your microphone.

- **Cleaning:** Regularly wipe the headset and microphone boom with a soft, dry cloth. For the sponge cover, gently remove it and clean with a mild soap solution if necessary, ensuring it is completely dry before reattaching.
- **Sponge Cover:** The thickened sponge cover helps protect the microphone from moisture and reduces plosive sounds. Ensure it is always in place during use.
- **Storage:** Store the microphone in a clean, dry place away from extreme temperatures and direct sunlight. Avoid tangling the cable.
- **Handling:** While the gooseneck is flexible, avoid excessive bending or forceful manipulation to prevent damage.



## Thickened sponge cover can help to prevent sound-breaking and saliva prevention. Metal gooseneck straw, random qualitative



Figure 5.1: Close-up view of the microphone's thickened sponge cover and flexible metal gooseneck, components crucial for sound quality and durability.

## 6. TROUBLESHOOTING

If you encounter issues with your Eboxer headset microphone, refer to the following common problems and solutions:

| Problem         | Possible Cause                                                                                                                                                                                                     | Solution                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No sound output | <ul style="list-style-type: none"><li>• Microphone not properly connected.</li><li>• Device volume too low or muted.</li><li>• Incorrect input selected on device.</li><li>• Faulty cable or microphone.</li></ul> | <ul style="list-style-type: none"><li>• Ensure the 3.5mm jack is fully inserted into the device's microphone input.</li><li>• Increase the volume on your connected device.</li><li>• Check your device's audio settings to ensure the correct input source is selected.</li><li>• Test with another device or cable if possible.</li></ul> |

| Problem                     | Possible Cause                                                                                                                                                                                                | Solution                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Distorted or unclear sound  | <ul style="list-style-type: none"><li>• Microphone positioned too far or too close.</li><li>• Sponge cover is damaged or missing.</li><li>• High background noise.</li><li>• Device audio settings.</li></ul> | <ul style="list-style-type: none"><li>• Adjust the microphone boom to position the capsule 1-2 inches from your mouth.</li><li>• Ensure the sponge cover is intact and properly placed.</li><li>• Use in a quieter environment.</li><li>• Check device's equalizer or input gain settings.</li></ul> |
| Feedback or whistling sound | <ul style="list-style-type: none"><li>• Microphone too close to speaker.</li><li>• Volume too high.</li><li>• Unidirectional pattern not utilized.</li></ul>                                                  | <ul style="list-style-type: none"><li>• Increase distance between microphone and speaker.</li><li>• Reduce the volume on your connected device.</li><li>• Ensure you are speaking directly into the microphone and it's not picking up sound from the speaker.</li></ul>                             |

## 7. SPECIFICATIONS

The following are the technical specifications for the Eboxer Headset Microphone:

| Feature                 | Detail                                           |
|-------------------------|--------------------------------------------------|
| Microphone Form Factor  | Headset                                          |
| Power Source            | Corded Electric                                  |
| Material                | Acrylonitrile Butadiene Styrene (ABS)            |
| Signal-to-Noise Ratio   | 78 dB                                            |
| Hardware Platform       | Karaoke Machine                                  |
| Number of Channels      | 1                                                |
| Frequency Response      | 20 KHz                                           |
| Item Weight             | 0.64 ounces (18.14 g)                            |
| Connectivity Technology | Auxiliary                                        |
| Connector Type          | 3.5 mm Jack                                      |
| Special Feature         | 3.5mm jack, Portable                             |
| Compatible Devices      | Amplifier, Headphone, Personal Computer, Speaker |
| Polar Pattern           | Unidirectional                                   |

## 8. WARRANTY AND SUPPORT



Warranty information for your Eboxer Headset Microphone is typically provided at the time of purchase or included with the product packaging. Please refer to these documents for details regarding warranty coverage and terms. For technical support or further assistance, please contact your retailer or the manufacturer directly. Contact information can usually be found on the product packaging or the manufacturer's official website.