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› Point Source Audio EO-8WL-XSH-BE Embrace Earmount Microphone Instruction Manual

Point Source EO-8WL-XSH-BE

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INSTRUCTION MANUAL

Introduction

The Point Source Audio EO-8WL-XSH-BE Embrace Earmount Microphone is designed for professional audio applications where discreet and consistent microphone placement is crucial. This earmount lavalier solution is ideal for use in television, film, theatre, and corporate environments, ensuring the microphone remains camouflaged while maintaining optimal proximity to the sound source, even with head movement.



An image showing the Point Source Audio EO-8WL-XSH-BE Embrace Earmount Microphone. The microphone features a beige, C-shaped

earmount design with a thin cable extending downwards. A small, clear silicone tip is visible at the end of the boom, covering the microphone element. The design is intended for discreet and stable placement.

Setup

1. **Unpack Components:** Carefully remove the EO-8WL-XSH-BE microphone from its packaging. Ensure all components, including the microphone and its attached cable with the 4-pin mini connector, are present.
2. **Connect to Transmitter:** Locate the 4-pin mini connector at the end of the microphone cable. Connect this securely to a compatible Shure transmitter. Ensure the connection is firm to prevent signal loss.
3. **Earmount Placement:** Gently place the earmount over the ear, positioning the C-shaped frame behind the ear. Adjust the boom arm so that the microphone element is positioned consistently near the corner of the mouth, typically 1-2 inches away, for optimal sound capture.
4. **Cable Management:** Route the microphone cable discreetly under clothing or along the body to the transmitter. Secure the cable with clips if necessary to minimize movement and noise.

Operating

The EO-8WL-XSH-BE is an omnidirectional microphone, meaning it picks up sound equally from all directions. This characteristic makes it forgiving in terms of exact placement, but consistent positioning near the mouth is still recommended for best results.

- **Power On:** Once connected to the transmitter, power on the transmitter and the associated receiver.
- **Gain Adjustment:** Adjust the gain (input level) on your transmitter or mixer to achieve an optimal signal-to-noise ratio. Monitor audio levels to prevent clipping (distortion) while ensuring sufficient volume.
- **Sound Check:** Perform a sound check with the talent speaking at their normal volume and projection. Listen for clarity, presence, and any unwanted noise.
- **Consistent Placement:** For consistent audio quality, ensure the earmount remains stable on the ear and the microphone element maintains its position relative to the mouth throughout the performance or recording.

Maintenance

- **Cleaning:** After each use, gently wipe the microphone element and earmount frame with a soft, dry, lint-free cloth. For stubborn grime, a slightly damp cloth (water only) can be used, ensuring no moisture enters the microphone capsule.
- **Cable Care:** Avoid sharp bends or kinks in the cable. Coil the cable loosely when storing to prevent damage to the internal wiring.
- **Storage:** Store the microphone in a clean, dry environment, preferably in its original case or a padded pouch, to protect it from dust, moisture, and physical impact.
- **Avoid Harsh Chemicals:** Do not use alcohol, solvents, or abrasive cleaners on any part of the microphone, as these can damage the finish or internal components.

Troubleshooting

- **Low Volume Output:**
 - Check the gain settings on your transmitter and mixer. Ensure they are set appropriately for the microphone's sensitivity.
 - Verify the microphone is securely connected to the transmitter.

- Ensure the microphone element is positioned correctly and consistently near the sound source.
- **No Sound:**
 - Confirm that both the transmitter and receiver are powered on and properly linked.
 - Check all cable connections from the microphone to the transmitter, and from the receiver to the audio system.
 - Test with another known-working microphone or cable if available to isolate the issue.
- **Distorted Audio:**
 - Reduce the gain settings on the transmitter or mixer if the input signal is too hot (clipping).
 - Ensure the microphone is not too close to the sound source, causing overload.
 - Check for any interference from other wireless devices.
- **Intermittent Sound/Dropouts:**
 - Check the battery level of the transmitter.
 - Ensure there are no obstructions between the transmitter and receiver.
 - Verify that the operating frequency is clear of interference.

Specifications

Feature	Specification
Brand	Point Source
Model Number	EO-8WL-XSH-BE (Item model number: 6.86925E+11)
Element	Back Electret Condenser
Polar Pattern	Omnidirectional
Maximum SPL	136 dB SPL
Signal-to-Noise Ratio	148 dB
Noise Level	136 dB
Frequency Response	20 Hz - 10 kHz
Cable Length	4 ft 0.077 in
Connector Type	4-pin mini connector (Compatible with Shure transmitter)
Power Source	Corded Electric
Item Weight	6.4 ounces
Package Dimensions	6.6 x 5.7 x 1.1 inches
UPC	686924564349
Recommended Uses	Speech, Theatre, Video Recording, Television

Feature	Specification
Included Components	Microphone

Support

For further assistance, technical support, or inquiries regarding your Point Source Audio EO-8WL-XSH-BE microphone, please visit the official Point Source Audio website or contact their customer service department.

You can also visit the [Point Source Audio Store on Amazon](#) for product information and resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question