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Sony ECM77B

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Model: ECM77B

INTRODUCTION

The Sony ECM77B is a miniature omni-directional electret condenser lavalier microphone. It is designed for applications requiring an inconspicuous microphone, such as television broadcasting. This microphone can be powered by either phantom power or AA batteries and connects via an XLR connector.



Image: The Sony ECM77B Electret Condenser Lavalier Microphone, a compact black microphone with an XLR connector.

WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- Sony ECM77B Omni-Directional Electret Condenser Lavalier Microphone
- Multiple microphone clips (typically 3 different types)
- Windscreen
- Carrying case

SETUP

1. **Battery Installation (if not using phantom power):**

The ECM77B requires two AA batteries for operation when phantom power is unavailable. Locate the battery compartment, typically on the power supply unit connected to the microphone cable. Insert the batteries, ensuring correct polarity.

2. **Connecting the Microphone:**

Connect the microphone's XLR connector to a compatible audio input on your recording device, mixer, or camera. Ensure the connection is secure.

3. **Attaching the Microphone:**

Select an appropriate microphone clip and attach the microphone head to it. Clip the microphone to clothing, approximately 6-8 inches below the speaker's chin, to capture optimal sound. Use the included windscreen to reduce plosives and wind noise.

OPERATING INSTRUCTIONS

1. **Powering On:**

If using battery power, ensure the power switch on the power supply unit is in the "ON" position. If using phantom power from your recording device, ensure phantom power is activated on the input channel to which the microphone is connected. The microphone will draw power automatically.

2. **Microphone Placement:**

For clear audio, position the microphone on the speaker's clothing, centered on the chest, about 15-20 cm (6-8 inches) from the mouth. Experiment with placement to find the best sound for your specific application. The omnidirectional pattern captures sound equally from all directions, offering flexibility in placement.

3. **Monitoring Audio:**

Always monitor the audio output through headphones connected to your recording device to ensure proper levels and sound quality before and during recording.

MAINTENANCE

• **Cleaning:**

Wipe the microphone body and cable with a soft, dry cloth. Do not use liquid cleaners or solvents. The windscreen can be gently cleaned with mild soap and water, then allowed to air dry completely before reattaching.

• **Battery Replacement:**

Replace AA batteries when audio quality degrades or if the microphone fails to power on. Always use fresh, high-quality batteries. Remove batteries if the microphone will not be used for an extended period to prevent leakage.

• **Storage:**

Store the microphone in its provided carrying case when not in use to protect it from dust, moisture, and physical damage. Avoid extreme temperatures and humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound Output	<ul style="list-style-type: none">○ Batteries are dead or incorrectly inserted.○ Phantom power is not activated (if applicable).○ XLR cable is loose or faulty.○ Input level on recording device is too low.	<ul style="list-style-type: none">○ Replace batteries or ensure correct polarity.○ Activate phantom power on your device.○ Check cable connections; try a different cable.○ Increase input gain on your recording device.
Poor Sound Quality (e.g., muffled, distorted)	<ul style="list-style-type: none">○ Microphone placement is incorrect.○ Windscreen is missing or damaged.○ Input levels are too high (clipping) or too low (noisy).○ Environmental noise.	<ul style="list-style-type: none">○ Adjust microphone position closer to the sound source.○ Ensure windscreen is properly attached.○ Adjust input gain to appropriate levels.○ Record in a quieter environment.

SPECIFICATIONS

Feature	Detail
Brand	Sony
Model Name	ECM77B
Connector Type	XLR
Polar Pattern	Omnidirectional
Power Source	Battery Powered (2 AA batteries required) or Phantom Power
Frequency Response	40 Hz - 20 kHz
Impedance	1000 Ohms
Signal-to-Noise Ratio	76 dB
Item Weight	14.08 ounces
Dimensions	1.63 x 4.07 x 9.25 inches
Enclosure Material	Plastic

OFFICIAL PRODUCT VIDEOS

Video: This is a high-quality microphone that will work perfectly.

Your browser does not support the video tag.

Description: A video demonstrating the Sony ECM77B microphone, highlighting its quality and suitability for various applications. The speaker discusses its clear and powerful audio output.

Video: Highest quality microphone!

Your browser does not support the video tag.

Description: A short video showcasing the Sony ECM77B microphone, emphasizing its high-quality audio capture for professional use.

WARRANTY AND SUPPORT

The Sony ECM77B Electret Condenser Lavalier Microphone comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or service inquiries, please refer to the official Sony support website or contact their customer service department. Keep your proof of purchase for warranty validation.

You can find more information and contact details on the official Sony website: [Sony Support](#)