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AZDEN EX-50L

Azden EX-50L Professional Omni Lavalier Microphone User Manual

MODEL: EX-50L



Image: Azden EX-50L Professional Omni Lavalier Microphone. This image displays the microphone with its foam windscreen, attached clip, black cable, and the 1/8 inch mini connector with a threaded lock-down mechanism.

Introduction

The Azden EX-50L is a professional omnidirectional lavalier microphone designed to enhance the audio quality of Azden wireless systems, specifically the 35BT and 15BT transmitters. This microphone features a sensitive element that captures a more nuanced and full-bodied sound with a wider frequency response compared to standard lavalier microphones. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your EX-50L microphone.

Key Features

- Designed for use with Azden 35BT or 15BT Transmitters.

- Improves sound quality of Azden wireless systems with a more sensitive microphone element.
- Wide frequency response from 30 Hz to 20,000 Hz for detailed audio capture.
- High sensitivity of -43 dB @ 1 kHz (0 dB = 1 V/Pa).
- Equipped with a 1/8" Mini connector with a threaded lock-down mechanism for secure connection.
- Omnidirectional polar pattern for consistent sound pickup from all directions.

What's in the Box

- Azden EX-50L Professional Omni Lavalier Microphone

Please ensure all components are present upon unboxing. If any items are missing or damaged, contact your retailer or Azden customer support.

Specifications

Specification	Value
Microphone Type	Electret condenser
Polar Pattern	Omnidirectional
Frequency Response	30 to 20,000 Hz
Sensitivity	-43 dB @ 1 kHz (0 dB = 1 V/Pa)
Impedance	2.2 kΩ
SPL (Sound Pressure Level)	100 dB
S/N Ratio (Signal-to-Noise)	>50 dB
Power Requirement	1 to 11 VDC
Power Consumption	0.5 mA or less
Connector Type	1/8" Mini with threaded lock down
Item Weight	0.8 ounces (0.05 Pounds)
Compatible Devices	Azden 35BT or 15BT Transmitters, Camcorder (with compatible input)

Setup

1. **Identify Compatible Transmitter:** The EX-50L microphone is specifically designed for use with Azden 35BT or 15BT wireless transmitters. Ensure you have one of these compatible transmitters.
2. **Connect the Microphone:** Locate the 1/8" mini input jack on your Azden 35BT or 15BT transmitter. Insert the 1/8" mini connector of the EX-50L microphone into this jack.
3. **Secure the Connection:** The EX-50L features a threaded lock-down mechanism on its connector. Once inserted, twist the threaded collar clockwise to secure the microphone to the transmitter, preventing accidental disconnection.
4. **Attach the Microphone:** Use the integrated clip to attach the lavalier microphone to clothing, typically near the

speaker's chest area, about 6-8 inches below the chin. Ensure the microphone is positioned to capture clear audio without rubbing against clothing.

5. **Power On:** Turn on your Azden wireless transmitter and receiver according to their respective manuals.

Operating Instructions

1. **Microphone Placement:** For optimal sound quality, position the lavalier microphone approximately 6-8 inches from the sound source (e.g., speaker's mouth). Avoid placing it too close to the mouth, which can cause plosives (harsh 'p' and 'b' sounds), or too far, which can result in weak audio and increased background noise.
2. **Cable Management:** Route the microphone cable discreetly under clothing to minimize visibility and prevent snagging. Secure any excess cable to prevent noise from cable movement.
3. **Monitor Audio Levels:** Before recording or live use, always monitor your audio levels through your receiver or recording device. Adjust the gain settings on your Azden transmitter and/or receiver to achieve appropriate levels, avoiding clipping (distortion) or excessively low volume.
4. **Wind Noise:** The microphone includes a foam windscreen. Ensure it is properly fitted over the microphone element to reduce wind noise and plosives, especially when used outdoors or in windy conditions.

Maintenance

- **Cleaning:** Gently wipe the microphone body and cable with a soft, dry cloth. Do not use liquid cleaners or solvents, as they may damage the microphone.
- **Windscreen Care:** The foam windscreen can be carefully removed and gently hand-washed with mild soap and water if it becomes dirty. Allow it to air dry completely before reattaching.
- **Storage:** When not in use, store the microphone in a clean, dry place, away from extreme temperatures and humidity. Avoid tightly coiling the cable to prevent damage.
- **Connector Inspection:** Periodically inspect the 1/8" mini connector for any signs of wear, bending, or corrosion. Ensure the threaded lock-down mechanism operates smoothly.

Troubleshooting

Problem	Possible Cause	Solution
No sound or very low sound	<ul style="list-style-type: none">◦ Microphone not properly connected.◦ Transmitter/receiver not powered on.◦ Incorrect gain settings on transmitter/receiver.◦ Faulty cable or connector.◦ Microphone element damage.	<ul style="list-style-type: none">◦ Ensure the 1/8" mini connector is fully inserted and locked into the transmitter.◦ Verify that both the transmitter and receiver are powered on and have fresh batteries (if applicable).◦ Adjust gain levels on your transmitter and receiver.◦ Test with another known-good microphone or cable if available.◦ Contact Azden support if suspected damage.

Problem	Possible Cause	Solution
Distorted or unclear sound	<ul style="list-style-type: none"> Gain levels too high (clipping). Microphone too close to sound source. Wind noise or plosives. Interference from other wireless devices. 	<ul style="list-style-type: none"> Reduce gain levels on transmitter/receiver. Adjust microphone placement (6-8 inches from source). Ensure windscreen is properly fitted. Check for and mitigate sources of wireless interference.
Intermittent sound	<ul style="list-style-type: none"> Loose connection. Damaged cable. Interference. 	<ul style="list-style-type: none"> Re-secure the microphone connector. Inspect the cable for kinks or breaks. Check for and mitigate sources of wireless interference.

Warranty Information

Azden products are typically covered by a limited warranty. For specific details regarding the warranty period and terms for your EX-50L microphone, please refer to the warranty card included with your purchase or visit the official Azden website. Keep your proof of purchase for warranty claims.

Customer Support

If you encounter any issues not covered in this manual or require further assistance, please contact Azden customer support. You can find contact information, FAQs, and additional resources on the official Azden website:

www.azden.com

When contacting support, please have your product model (EX-50L) and purchase information ready.

