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VidPro G10Hi-XM-L

VidPro XM-L Wired Lavalier Microphone User Manual

Comprehensive guide for setup, operation, and maintenance of your Vidpro XM-L Lavalier Microphone.

1. INTRODUCTION

The Vidpro XM-L Wired Lavalier Microphone is designed for clear audio capture with DSLRs, camcorders, video cameras, and smartphones. Its omni-directional electret condenser transducer ensures high-quality sound recording for various applications.

Key Features:

- 20-foot audio cable for flexible placement.
- Electret Condenser transducer type for sensitive audio capture.
- 3.5mm (1/8 inch) 4-Pole Mini-plug output connection.
- Omni-directional polar pattern for 360-degree sound pickup.
- Wide frequency range of 65Hz to 18KHz.

2. PACKAGE CONTENTS

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

- Vidpro XM-L Lavalier Microphone with 20' cable
- Lapel clip
- Foam windscreen
- LR44 battery (pre-installed or separate)



Figure 2.1: Components of the Vidpro XM-L Lavalier Microphone. Shown are the microphone capsule with lavalier clip, the battery pack with ON/OFF/Smartphone switch, the foam windscreen, and the 3.5mm TRRS connector. A small LR44 battery is also visible.

3. SETUP AND CONNECTION

1. **Install Battery:** If not already installed, open the battery compartment on the microphone's control module and insert the LR44 battery, ensuring correct polarity.
2. **Attach Windscreen:** Gently slide the foam windscreen over the microphone capsule to reduce plosives and wind noise.
3. **Attach Lavalier Clip:** Secure the lavalier clip to the microphone capsule. This allows you to attach the microphone to clothing.
4. **Connect to Device:**
 - For **DSLRs, Camcorders, and Video Cameras:** Plug the 3.5mm TRRS connector into the microphone input jack of your camera.

- For **Smartphones**: Plug the 3.5mm TRRS connector into the headphone/microphone jack of your smartphone.
5. **Position Microphone**: Clip the microphone to your clothing, ideally about 6-8 inches (15-20 cm) below your chin, centered on your chest, for optimal sound capture.

4. OPERATING INSTRUCTIONS

The Vidpro XM-L features a switch on its control module for different operating modes:

- **"OFF/Smartphone" Mode:**

When the switch is in the "OFF/Smartphone" position, the microphone is powered by the connected smartphone. This mode is specifically for use with smartphones and tablets that provide plug-in power through their 3.5mm jack. The internal LR44 battery is not used in this mode.

- **"ON" Mode:**

When the switch is in the "ON" position, the microphone uses its internal LR44 battery for power. This mode is intended for use with DSLRs, camcorders, and other devices that require a self-powered microphone input. Ensure the battery is fresh for optimal performance.

Before recording, always ensure the switch is in the correct position for your device. Perform a test recording to confirm audio is being captured correctly.

5. MAINTENANCE AND CARE

Proper care will extend the life and performance of your microphone:

- **Cleaning**: Use a soft, dry cloth to clean the microphone body. Do not use liquid cleaners or solvents.
- **Windscreen**: The foam windscreen can be gently hand-washed with mild soap and water if it becomes dirty. Allow it to air dry completely before reattaching.
- **Battery**: If the microphone will not be used for an extended period, remove the LR44 battery to prevent leakage and potential damage to the microphone.
- **Storage**: Store the microphone in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid tangling the cable.
- **Handling**: Avoid dropping the microphone or subjecting it to strong impacts, as this can damage internal components.

6. TROUBLESHOOTING

If you encounter issues with your Vidpro XM-L microphone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound or very low sound.	<p>Incorrect switch position.</p> <p>Dead or improperly installed battery (for "ON" mode).</p> <p>Microphone not fully plugged in.</p> <p>Incorrect input selected on recording device.</p> <p>Device volume too low.</p>	<p>Ensure switch is in "ON" for cameras/camcorders or "OFF/Smartphone" for smartphones.</p> <p>Replace LR44 battery or check polarity.</p> <p>Firmly insert the 3.5mm plug into the device's microphone jack.</p> <p>Verify the correct audio input is selected in your device's settings.</p> <p>Increase the recording volume on your device.</p>
Poor audio quality (hiss, distortion).	<p>Interference.</p> <p>Microphone too far or too close.</p> <p>Wind noise or plosives.</p> <p>Low battery (for "ON" mode).</p>	<p>Move away from sources of electromagnetic interference (e.g., Wi-Fi routers, power cables).</p> <p>Adjust microphone position (6-8 inches from mouth is ideal).</p> <p>Ensure windscreen is properly installed.</p> <p>Replace the LR44 battery.</p>

7. SPECIFICATIONS

Feature	Detail
Transducer Type	Electret Condenser
Polar Pattern	Omn-directional
Frequency Range	65Hz – 18KHz
Signal/Noise	74dB SPL
Sensitivity	-30dB +/- 3dB / 0dB = 1V/Pa, 1kHz
Output Connection	3.5mm (1/8 inch) 4-Pole Mini-plug (TRRS)
Cable Length	20 feet (approx. 6 meters)
Power Source	LR44 battery (for "ON" mode) or device plug-in power (for "OFF/Smartphone" mode)
Item Weight	4 ounces (approx. 113 grams)
Model Number	G10Hi-XM-L

8. WARRANTY AND SUPPORT

Warranty Information: Specific warranty details for the Vidpro XM-L microphone are not provided in this manual. Please refer to the product packaging or the official Vidpro website for the most current warranty policy.

Customer Support: For technical assistance, troubleshooting beyond this guide, or inquiries regarding your product, please contact Vidpro customer support through their official website or the retailer from whom you purchased the product. Have your product model number (G10Hi-XM-L) and purchase date ready when contacting support.



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