

OLM-20

DUAL OMNIDIRECTIONAL LAVALIER
MICROPHONE



POLSEN™

PRODUCT
MANUAL

THANK YOU FOR CHOOSING POLSEN.

The Polsen OLM-20 Dual Omnidirectional Lavalier Microphone is a unique design that features dual microphone capsules for two-channel recording to a camera or recorder that has a single 3.5 mm stereo mic input. It is an ideal solution for interviews, presentations, podcasts, and webcasts where more than one subject is being recorded. The twin, battery-powered electret condenser capsules deliver clear and natural sound. The omnidirectional polar pattern provides excellent off-axis response even if a subject turns his or her head while speaking. Each microphone offers low sensitivity to wind, handling noise, and vocal plosives. The included foam windscreens further ensure quiet, professional-quality recordings.

The OLM-20 can be used with any camera with a 3.5 mm stereo mic-level input without the use of additional hardware such as adapters or mixers. Each microphone records to a discreet channel. A 13.5-foot cable provides the flexibility of getting longer distance camera shots with up-close audio. The microphones can be discreetly hidden with the included tie clip for hands-free operation.

Whether capturing sound on the go, or for in-studio interviews, the OLM-20 provides performance, reliability, and high-quality sound.

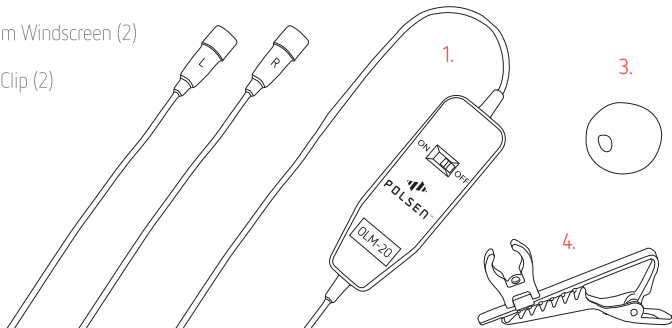
OVERVIEW

1. In-line Battery Pack and
Power Switch

2. Microphones (2)

3. Foam Windscreen (2)

4. Tie Clip (2)

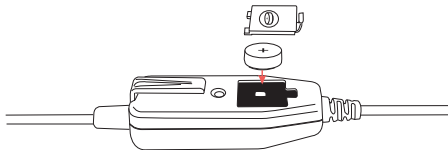


PRECAUTIONS

- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this unit away from water and any flammable gases or liquids.
- Do not attempt to disassemble or repair this product.
- Handle this product with care.
- Clean this product with only a soft dry cloth.
- Make sure that this product is intact and that there are no missing parts.
- All photos are for illustrative purposes only.

INSTALLING THE BATTERY

1. Open the battery compartment cover.
2. Insert one LR44 battery with the orientation indicated on the battery compartment cover, and replace the cover.



RECORDING

1. Plug the stereo mini plug of the OLM-20 into the 3.5 mm stereo mic-level input of your camera or recording device.
2. Place the foam windscreen over the microphone and pull the microphone down into the clip's round mic holder until it fits snugly.
3. The tie clip or the dual clip can be fastened to a lapel, collar, or to the inside of a garment. Position the clip so that each microphone is approximately 6 to 8 inches from its sound source.
4. Set the switch on the battery pack to the ON position.
5. You are now ready to record. Consult the instructions of your camera or recording device for directions on recording.

Before recording a complete take, it is always advisable to do a test recording and listen to the playback.

If both of the voices are too low, increase the mic gain on your camera or recording device.

If both of the voices are too loud or are distorting during playback, decrease the mic gain.

If there is no mic gain control, and the level of the voices are uneven, adjust the position of each microphone until both voices are balanced and at the correct level.

Recording Tips

- For the best sound quality when recording voices, the OLM-20 microphones should be approximately 6 to 8 inches from its sound source.
- The foam windscreen should always be used to diminish vocal plosives and wind noise.
- To prevent cable tension that can move the microphone during recording, create a loop in the cable and tape it to the inside of the garment.
- If test recordings reveal excessive breath noises or inconsistent levels due to head movement, try attaching the omnidirectional microphone upside down.
- When recording one person, use both microphones. This will ensure that the voice is recorded to both channels.

SPECIFICATIONS

TRANSDUCER Electret condenser

POLAR PATTERN Omnidirectional

FREQUENCY RESPONSE 30 Hz to 18 kHz

SENSITIVITY -65 dB \pm 3 dB (0dB=1 v/ μ bar @ 1 kHz)

IMPEDANCE 1,000 Ω \pm 30% @ 1 kHz

OPERATING VOLTAGE 1.5 V DC

MATERIAL Gold-plated stereo plug

POWER 1.5V Button Cell Battery

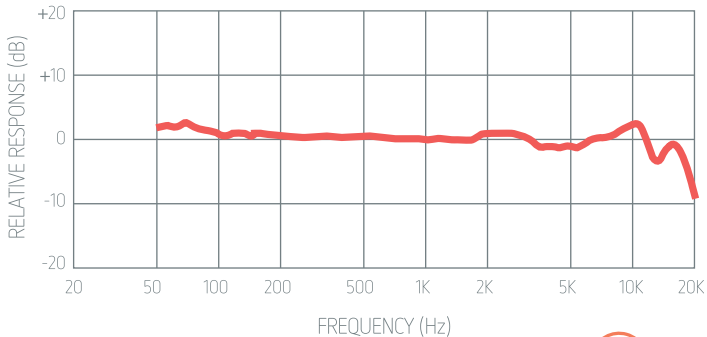
DIMENSIONS

MICROPHONE LENGTH 0.79" (20 mm)

CAPSULE DIAMETER 0.31" (7.9 mm)

CABLE LENGTH 13.5' (4.1 m)

FREQUENCY RESPONSE GRAPH



ONE-YEAR LIMITED WARRANTY

This POLSEN product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Polsen Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Polsen along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.polsenaudio.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.
www.gradusgroup.com

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A decorative graphic element in the bottom right corner. It features a dark silhouette of a person's head and shoulders against a vibrant red background. The person appears to be looking towards the left. The graphic is partially cut off by the right edge of the page.

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