

MO-PL1

# LAVALIER MICROPHONE

FOR MOBILE DEVICES



POLSEN™

PRODUCT  
MANUAL

## THANK YOU FOR CHOOSING POLSEN.

The Polsen MO-PL1 is an omnidirectional lavalier microphone that delivers high-quality audio for mobile devices. The MO-PL1 is sensitivity optimized for iPhone®, iPad®, and iPod touch® devices providing proper signal levels, resulting in a significant improvement in the audio quality of your recordings. It is also impedance matched to ensure compatibility. The MO-PL1 enables the voice to be “up front” even when recording video from a distance. The included tie clip discreetly hides the microphone and provides hands-free simplicity during presentations or interviews.

Easy to use with no batteries or power supply needed, the MO-PL1 works with many audio and video recording apps to capture clear and natural sound for lectures, dictations, and online videos. The omnidirectional polar pattern provides excellent off-axis response even if the subject's head turns while speaking. The 12-foot cable provides the flexibility of getting longer-distance camera shots with up-close audio. The MO-PL1 is an excellent tool for recording professional-quality sound on mobile devices.

LAVALIER  
MICROPHONE FOR  
MOBILE DEVICES  
MO-PL1



## CONTENTS INCLUDE

- Omnidirectional lavalier microphone with 12' cable
- Tie clip
- Foam windscreen
- Pouch
- Product manual

## PRECAUTIONS ⚠

- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this product away from water and all flammable gasses or liquids.
- Do not attempt to disassemble or repair this product.
- Make sure that this product is intact and that there are no missing parts.
- All photos are for illustrative purposes only.



# INSTRUCTIONS

## Recording

1. Plug the TRRS mini plug of the MO-PL1 into the 3.5 mm jack of your device.
2. Place the foam windscreen over the microphone and insert the microphone down into the clip until it fits snugly.
3. The tie clip can be fastened to a lapel, collar, or to the inside of a garment. Position the clip so that the microphone is approximately 6-8 inches from the sound source.
4. You are now ready to record. Consult the instructions of your video or audio recording app for directions on recording.

**Note:** The MO-PL1 is compatible with most recording apps. However, apps that do not accept an external mic input are not compatible.

**Important:** When playing back a recording, unplug the MO-PL1 from the 3.5 mm jack. To listen to playback, use headphones or listen through the internal speaker.



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

If the voice is too low, increase the mic gain in the app settings. If there is no mic gain control in the app, move the mic closer to the source.

If the voice is too loud or is distorting during playback, decrease the mic gain. If there is no mic gain control in the app, move the microphone further away from the source.

## Recording Tips

- For the best sound quality, the MO-PL1 microphone should be approximately 6-8 inches from the 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 MO-PL1 upside down.



## SPECIFICATIONS

**TRANSDUCER** Back electret condenser

**POLAR PATTERN** Omnidirectional

**FREQUENCY RANGE** 50 Hz ~ 18 kHz

**SENSITIVITY** -54dB  $\pm$  3dB (RL: 2.2K DC:1.5V)  
(0 dB=1V/microbar, 1 kHz indicated by open circuit)

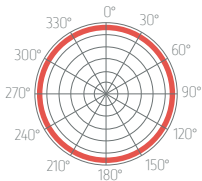
**IMPEDANCE** 1600 ohms  $\pm$  30% @ 1 kHz

**CAPSULE DIAMETER** 0.3" (7.9 mm)

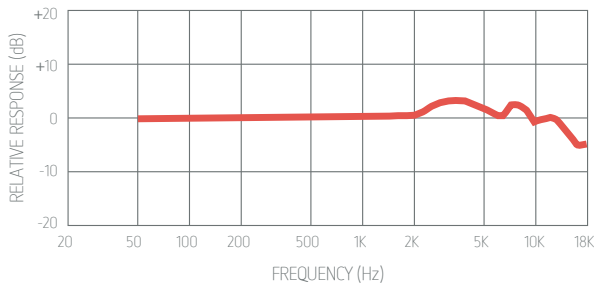
**CABLE LENGTH** 12' (3.6 m)

**CONNECTOR** 3.5 mm TRRS gold-plated plug

## POLAR PATTERN



## 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](http://www.polsenaudio.com) or call Customer Service at 212-594-2353.

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