

GPMK-22

GoPro PRODUCTION
MICROPHONE
KIT



POLSEN™

PRODUCT
MANUAL

THANK YOU FOR CHOOSING POLSEN.

The Polsen GPMK-22 is a kit that includes a stereo microphone and a shotgun microphone designed for use with GoPro® HERO4, HERO3+, and HERO3 cameras. Unlike the omidirectional microphone built into GoPros, the two included microphones offer numerous creative options for delivering high-quality audio to any production using a GoPro.

The supercardioid shotgun microphone is optimized to focus on the sound directly in front of it while rejecting off-axis sound. This offers great clarity and focus when recording dialog or voices.

GoPro PRODUCTION
MICROPHONE KIT
GPMK-22



The stereo microphone features two condenser capsules arranged in an X/Y pattern. Ideal for recording live action, dialog, or soundscapes, it delivers wide sonic imaging and a natural stereo sound. For extra control when capturing a quiet or distant subject, or when recording in a high-noise environment, this microphone includes a high/low gain sensitivity selector to further ensure professional-quality sound.

No external power or batteries are necessary for operation. Both microphones are powered by the GoPro camera via the Mini-USB cable. The production kit includes an adjustable bracket that easily attaches directly to the three-prong GoPro mount. The lightweight and compact microphones will not weigh down your setup or extend out into the picture frame.

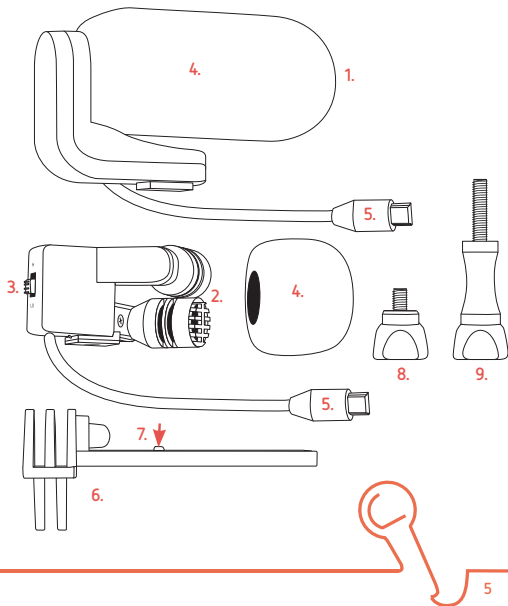


PRECAUTIONS ⚠

- Please read and follow these instructions and keep this manual in a safe place.
- Keep this product 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 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.

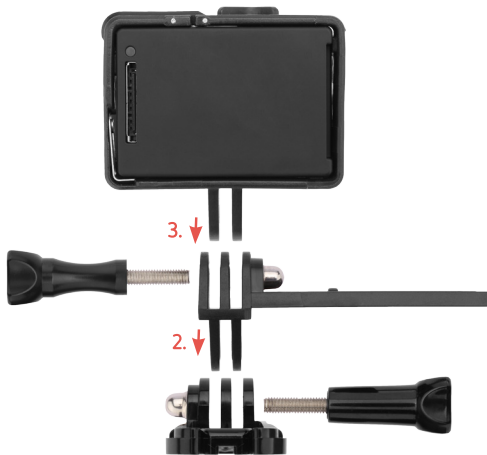
OVERVIEW

1. Supercardioid shotgun microphone
2. X/Y stereo microphone
3. Lo/Hi sensitivity selector
4. Windscreen
5. Cable and Mini-USB connector
6. Adjustable mounting bracket
7. Cable guide
8. Short thumbscrew
9. Long thumbscrew



MOUNTING THE ADJUSTABLE BRACKET TO THE GOPRO HOUSING

1. Detach the GoPro and housing from the quick-release buckle by unscrewing the thumbscrew.
2. Fit the two prongs of the adjustable bracket down into the quick-release buckle and attach with the GoPro thumbscrew. Tighten until secure.
3. Fit the two prongs of the GoPro housing down into the three prongs of the adjustable bracket and attach it with the included long thumbscrew. Tighten until secure.



MOUNTING THE MICROPHONE TO THE ADJUSTABLE BRACKET

1. Place the microphone on the adjustable bracket so that the microphone mount fits into the slot in the bracket.
2. Attach the microphone by tightening the short thumbscrew from below the bracket.



3. Plug the Mini-USB connector into the Mini-USB jack on the GoPro.
4. Hook the cable under the cable guide to hold it in place.
5. Fit the foam windscreen over the microphone.
6. Adjust the position of the microphone by loosening the short thumbscrew. Reposition the microphone and re-tighten the thumbscrew.



When using the X/Y stereo microphone, select **HI** for quieter or more distant sound sources. Select **LO** for louder sound sources.

Tip: It is always advisable to do a test recording to make sure that the sound is at a useable level. If normal audio is overloading the GoPro and sounds distorted, lower the gain by selecting the **LO** setting. If the audio level is too quiet, raise the gain by selecting the **HI** setting.



SPECIFICATIONS

Stereo X/Y Microphone

PATTERN Cardioid

FREQUENCY RESPONSE 20 Hz to 20 kHz

SENSITIVITY Hi: -34 dB \pm 3 dB (0 dB = 1 V/Pa @1 kHz)

Lo: -39 dB \pm 3 dB (0 dB = 1 V/Pa @1 kHz)

OUTPUT IMPEDANCE 1200 Ω \pm 30%

POWER REQUIREMENT 4 V DC

OUTPUT CONNECTOR Mini-B USB

CABLE LENGTH 5.9" (15 cm)



Supercardioid Microphone

PATTERN Supercardioid

FREQUENCY RESPONSE 20 Hz to 20 kHz

SENSITIVITY -39 dB ± 3 dB (0 dB = 1 V/Pa @1 kHz)

OUTPUT IMPEDANCE 1000 Ω $\pm 30\%$

POWER REQUIREMENT 4 V DC

OUTPUT CONNECTOR Mini-B USB

CABLE LENGTH 5.1" (13 cm)



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

GOPRO, HERO, the GOPRO logo, and the GoPro Be a Hero logo are trademarks or registered trademarks of GoPro, Inc.

Polisen is a registered trademark of the Gradus Group. © 2015 Gradus Group LLC. All Rights Reserved.

