



4097 CORE
Micro Shotgun Microphone

User's Manual

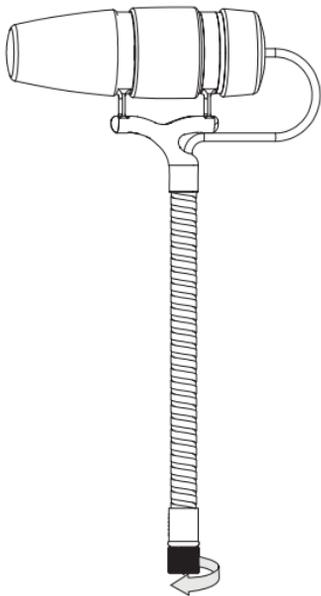
dpa[microphones.com/4097-shotgun](https://www.dpamicrophones.com/4097-shotgun)

Introduction

With its small footprint and clear audio pick up, the 4097 CORE Micro Shotgun Microphone can be used in the tightest spaces. It is optimized to pick up speech in applications such as in ENG/EFP broadcast or as a plant mic on film sets.

The mic sits on a 10 cm (4 in) gooseneck with a built-in shock mount. A free-running nut on the MicroDot enables the mic to be quickly turned and locked in the correct position.



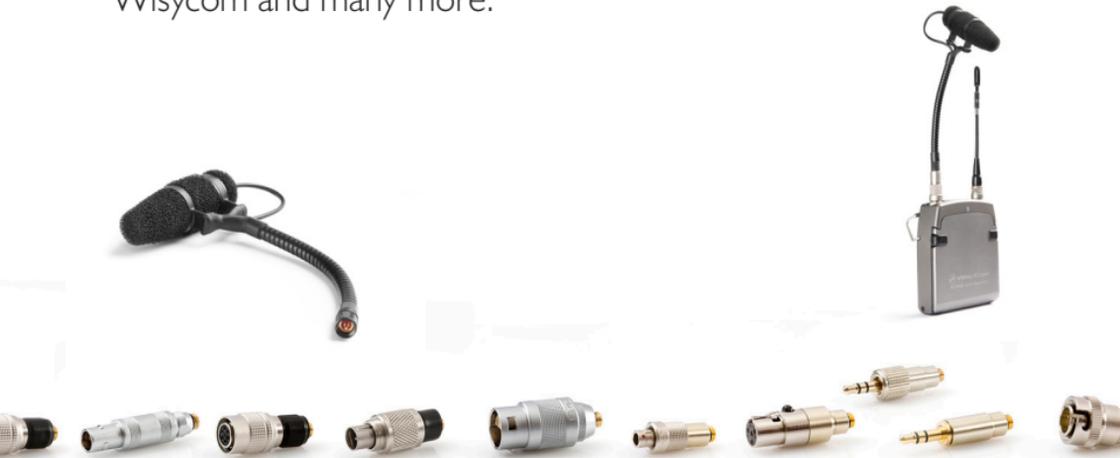


The microphone uses a small diaphragm prepolarized condenser capsule with a supercardioid pickup pattern mounted in an interference tube, which sits inside of a replaceable foam windscreen.

The interference tube in the 4097 CORE Micro Shotgun increases its directionality, while maintaining flat on-axis frequency response and consistent off-axis response. This allows the mic to isolate what you're trying to pick up while attenuating sounds from the sides and rear.

Adapters for wireless

DPA Microphones' ingenious adapter system is one of a kind in the industry. It protects your investment in fantastic sound for years to come and works with all leading wireless mic solutions, such as Lectrosonics, Sennheiser, Shure, Sony, Wisycom and many more.



dpamicrophones.com/adapters

Optional accessories

The 4097 CORE Micro Shotgun works with a variety of optional accessories to increase its functionality. Not only can it be extended to double length using a gooseneck extension, it works with all of our standard clips and mounting options known from the 4099 Instrument Mic series, for example:



CS4099



GE4099



CMI618B00



UC4099



CM4099



PC4099

Specifications:

4097-DC-G-B00-010

4097 CORE Micro Shotgun Mic, Black MicroDot, 10 cm (4 in) full Gooseneck

Directional characteristics

Supercardioid

Frequency response

20 Hz - 20 kHz

Effective frequency range, ± 2 dB, 20 cm (7.9 in)

80 Hz - 15 kHz with 2 dB soft boost at 10 - 12 kHz

Sensitivity, nominal ± 3 dB at 1 kHz

16 mV/Pa; -36 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Typ. 23 dB(A) re. 20 μ Pa (max. 26 dB(A))

Distortion (THD) <1%

130 dB SPL RMS, 133 dB SPL peak

Dynamic range

Typ. 110 dB

Max. SPL, THD 10%

135 dB SPL peak

Connector

MicroDot

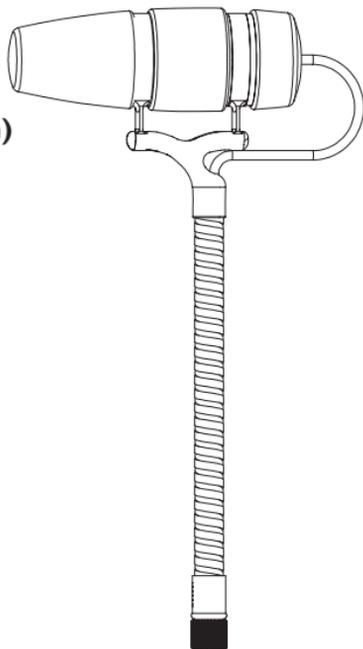
Color

Black

Dimensions

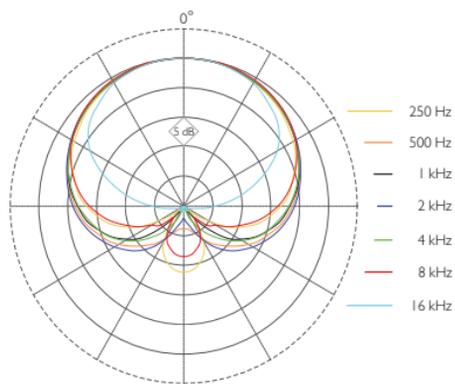
Weight: 10 g (.35 oz)

Microphone length: 10.4 cm (4 in)



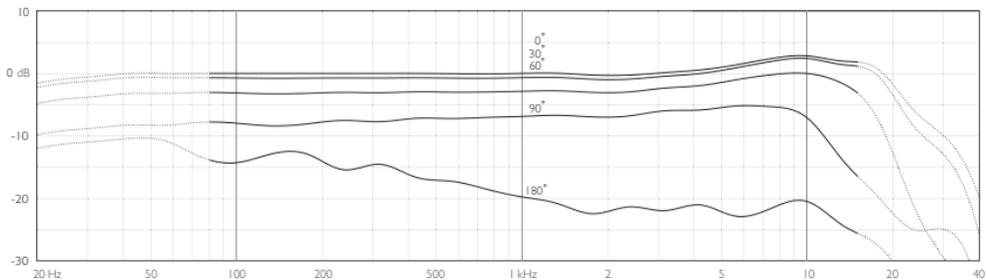
Full specsheet at: dparamicrophones.com//4097-shotgun

Polar pattern



Frequency response

Measured at 20 cm (7.9 in)





Service & repair

If you are not satisfied with the characteristics exhibited by this product, please go to [dpamicrophones.com/service](https://www.dpamicrophones.com/service) for instructions.

Warranty

The 4097 CORE Micro Shotgun Microphone is covered by a two-year limited warranty.

CE marking

This product conforms to all relevant directives approved by the European Commission.

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Product features and specifications are subject to change without further notice.



DPA-M-1097M5-01