

## USER MANUAL

# 4097 CORE+ Micro Shotgun Mic

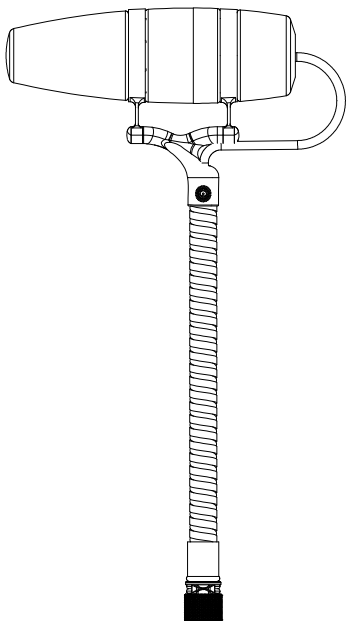
With its small footprint and clear audio pick up, the 4097 CORE Micro Shotgun Microphone can be used in the tightest spaces. It is optimized to pick up speech in applications such as in ENG/EFP broadcast or as a plant mic on film sets.

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

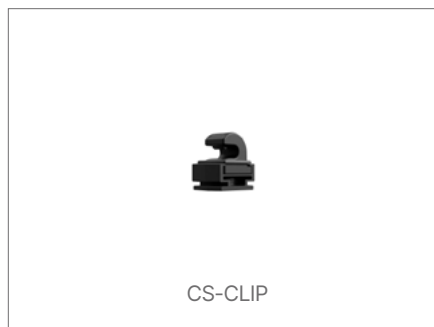
DPA Microphones' ingenious adapter system is one of a kind in the industry. It protects your investment in fantastic sound for years to come and works with all leading wireless mic solutions, such as DPA, Wisycom, Sound Devices, Lectrosonics, Sennheiser, Shure, Sony, and many more.

Find out more here: [dpamicrophones.com/accessories/adapters](https://dpamicrophones.com/accessories/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 standard DPA clips and mounting options known from the 4099 CORE+ Instrument Mic series, for example:



Check out more at [dpamicrophones.com/accessories](https://dpamicrophones.com/accessories)

# Specifications

## 4097-DP-G-B90-010

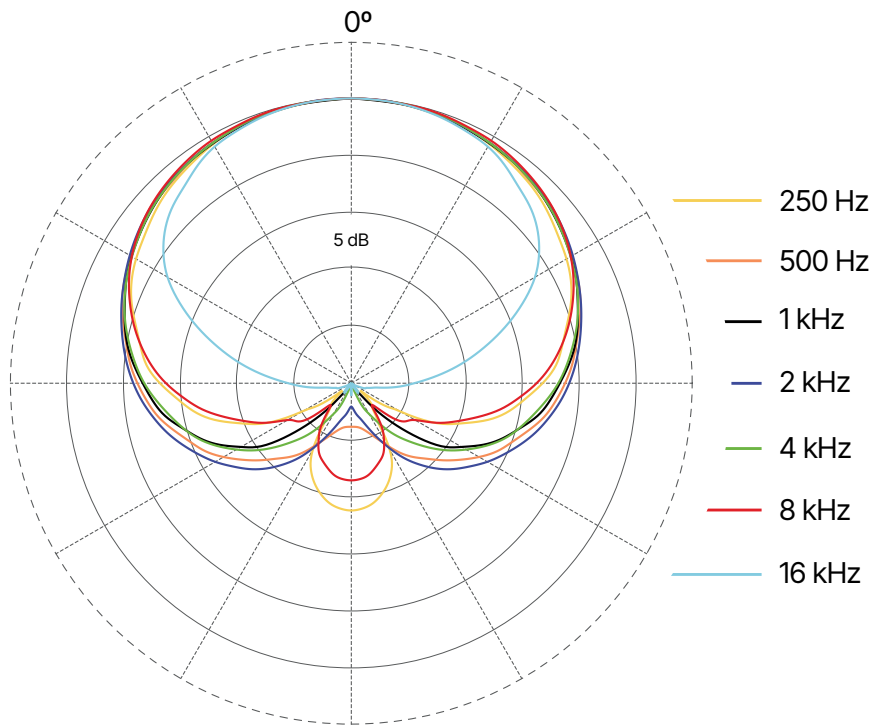
### 4097 CORE+ Micro Shotgun Mic, Black, MicroLock®, 10 cm (4 in) full Gooseneck

Directional pattern	<b>Supercardioid</b>
Frequency response	<b>20 Hz - 20 kHz</b>
Effective frequency range, $\pm 2$ dB, 20 cm (7.9 in)	<b>80 Hz - 15 kHz with 2 dB soft boost at 10 - 12 kHz</b>
Sensitivity, nominal $\pm 3$ dB at 1 kHz	<b>16 mV/Pa; -36 dB re. 1 V/Pa</b>
Equivalent noise level, A-weighted	<b>Typ. 23 dB(A) re. 20 <math>\mu</math>Pa (max. 26 dB(A))</b>
Distortion, (THD) <0.5%	<b>130 dB SPL RMS, 133 dB SPL peak</b>
Distortion, (THD) <1%	<b>131 dB SPL RMS, 134 dB SPL peak</b>
Dynamic range	<b>Typ. 111 dB</b>
Max. SPL, THD 10%	<b>136 dB SPL peak</b>
Connector	<b>MicroLock®</b>
Color	<b>Black</b>
Dimensions	<b>Weight: 10 g (.35 oz) Microphone length: 10.4 cm (4 in)</b>



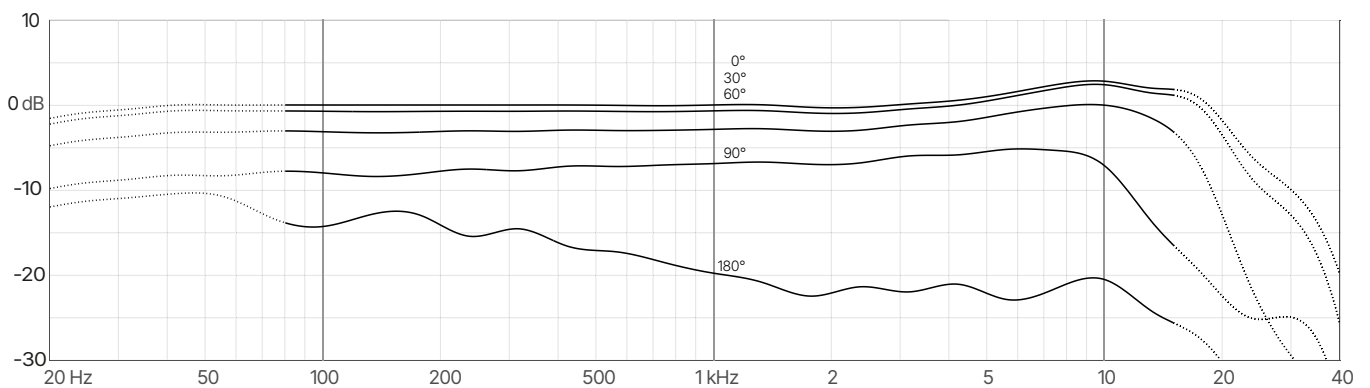
# Specifications

## Polar pattern



## Frequency response

Typical on- and off-axis response of a 4097 Micro Shotgun Mic. On-axis (0°) measured at 20 cm (7.9 in), other directions measured in the far field.



# Other Information

## Service & repair

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

## Warranty

The 4097 CORE+ Micro Shotgun Microphone is covered by a two-year limited warranty. [dpamicrophones.com/our-company/warranty](https://dpamicrophones.com/our-company/warranty)

## CE marking

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

