



4097 CORE  
Micro Shotgun Microphone

User's Manual

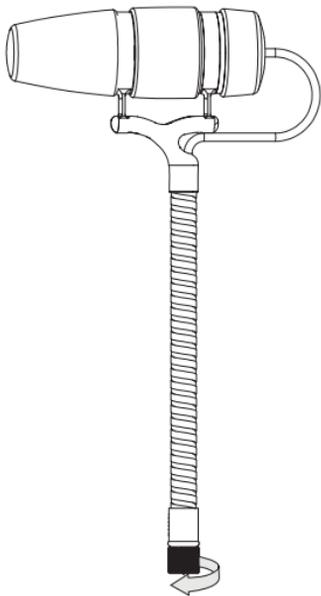
**dpa**[microphones.com/4097-shotgun](https://www.dpamicrophones.com/4097-shotgun)

## 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.



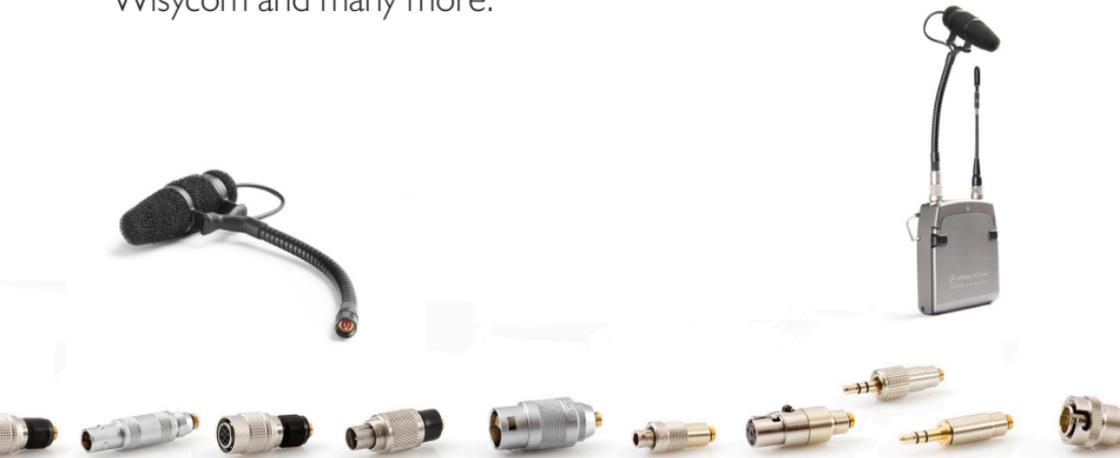


The microphone uses a small diaphragm prepolarized condenser capsule with a supercardioid pickup pattern mounted in an interference tube, which sits inside of a replaceable foam windscreen.

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](http://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, $\pm 2$ dB, 20 cm (7.9 in)

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

#### Sensitivity, nominal $\pm 3$ dB at 1 kHz

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

#### Equivalent noise level, A-weighted

Typ. 23 dB(A) re. 20  $\mu$ 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

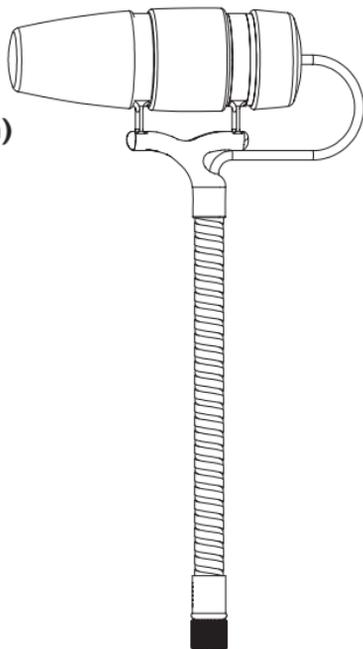
#### Color

Black

#### Dimensions

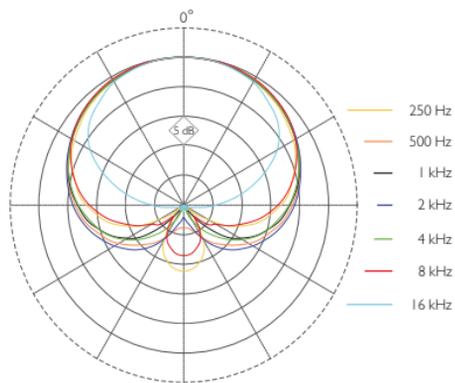
Weight: 10 g (.35 oz)

Microphone length: 10.4 cm (4 in)



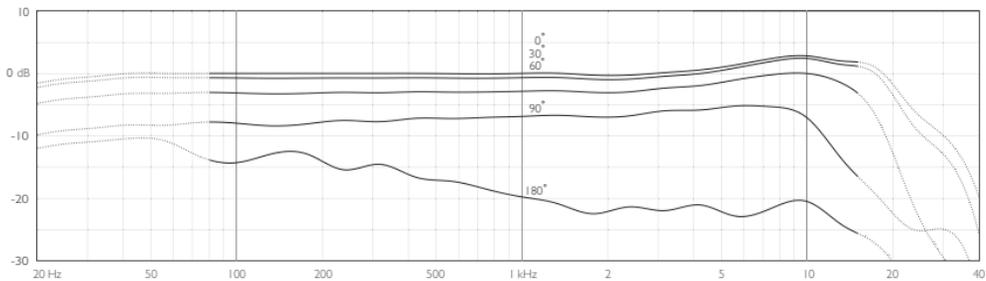
Full specsheet at: [dparamicrophones.com//4097-shotgun](https://dparamicrophones.com//4097-shotgun)

## 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.

© May, 2020. DPA Microphones A/S

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



DPA-M-1097M5-01