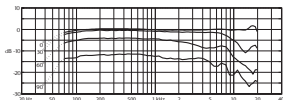


## 4017B Shotgun Microphone

A combination of the MMC4017 microphone capsule and the MMP-B preamplifier with filters, the 4017B shotgun microphone is part of the modular DPA Reference Standard series.

### PERFORMANCE

The supplied calibration chart shows the specially tailored individual frequency response of the MMC4017 capsule, measured with a linear MMP-A preamp.



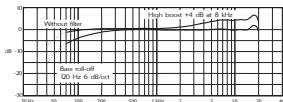
Typical on- and off-axis frequency response of 4017B (MMC4017+MMP-B)

### FILTERS

DPA 4017B features a permanent third-order 50 Hz low cut and two switchable filters which are controlled at the switchable rings. No tools are needed to activate the filters, use fingers only.

High boost: a 4 dB boost at 8 kHz.

Low cut: a first order (6 dB/oct) bass roll-off below 120 Hz.



Frequency responses of switching filters on 4017B

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[www.dpamicrophones.com/4017B](http://www.dpamicrophones.com/4017B)

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#### Service & repair

If you are not satisfied with the characteristics exhibited by this product, please contact your nearest DPA Microphones representative for support.

#### Warranty

4017B is covered by a five-year limited warranty.

#### CE marking

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

# Specifications

## **Directional pattern**

Supercardioid, lobe-shaped

## **Principle of operation**

Pressure gradient, with interference tube

## **Capsule type**

Pre-polarized condenser

## **Frequency range**

20 Hz to 20 kHz

## **Frequency range, $\pm 2$ dB**

70 Hz to 20 kHz at 60 cm (2 ft)

## **Sensitivity, nominal, $\pm 2$ dB at 1 kHz**

19 mV/Pa, -34.4 dB re 1 V/Pa

## **Equivalent noise level, A-weighted**

Typ. 14 dB(A) re. 20  $\mu$ Pa (max. 15 dB(A))

## **Switchable filters**

High boost, low cut

## **Output impedance**

< 150 ohm

## **Output balance principle**

Signal balanced

## **Common Mode Rejection Ratio (CMRR)**

> 40 dB

## **Power supply**

48 V Phantom power (+/- 4 V)

## **Current consumption**

4.5 mA

## **Polarity**

+V at Pin 2 for positive sound pressure

## **Connector**

XLR-3M. Pin 1: Shield, Pin 2: signal + phase, Pin 3: signal - phase

## **Weight**

68 g (2.4 oz)

## **Operating temperature range**

-40 °C to 45 °C (-40 °F to 113 °F)

## **Relative humidity**

Up to 90%