

## d:dicat<sup>™</sup> 4018F Supercardioid Microphone, Boom

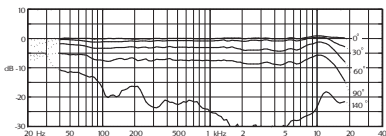
A combination of the MMC4018 Microphone Capsule and the MMP-F modular active boom, this mic is part of the modular d:dicat<sup>™</sup> Recording Microphones series. At any time and with no tools necessary it is possible to transform the basic 4018F Microphone into a new configuration by combining it with another d:dicat<sup>™</sup> Microphone Capsule or Preamplifier.

### Performance

Mount the foam windscreen on the mic head whenever used outdoors or in air turbulent situations such as close miking voice in order to prevent wind or pop noise.

The supplied calibration chart shows the individual frequency response of the MMC4018 Capsule measured with a linear MMP-A Preamplifier.

Typical on- and off-axis and frequency responses at 30 cm (1ft):



**d p a** microphones.com / 4018F

#### Service & repair

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

#### Warranty

The d:dicat<sup>™</sup> 4018F Supercardioid Microphone, Boom is covered by a five-year limited warranty.

#### CE marking

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

# Specifications

## Directional pattern

Supercardioid

## Principle of operation

Pressure gradient

## Cartridge type

Pre-polarized condenser

## Frequency range

20 Hz - 20 kHz

## Frequency range, $\pm 2$ dB, at 30 cm

40 Hz - 18 kHz

## Sensitivity, nominal, $\pm 2$ dB at 1 Hz

12 mV/Pa

## Equivalent noise level, A-weighted

Typ. 16 dB(A) re. 20  $\mu$ Pa (max. 19 dB)

## S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL)

Typ. 78 dB(A)

## Total Harmonic Distortion (THD)

< 1 % up to 139 dB SPL peak

## Dynamic range

Typ. 123 dB

## Max. SPL, peak before clipping

142 dB

## Output impedance

100  $\Omega$

## Minimum load impedance

2 k $\Omega$

## Cable drive capability

100 m (328 ft)

## Output balance principle

Impedance balancing

## Common Mode Rejection Ratio (CMRR)

> 40 dB

## Power supply

48 V Phantom power ( $\pm 4$  V)

## Current consumption

3.5 mA

## Connector

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

## Color

Matte black

## Microphone diameter

19 mm (0.75 in)

## Capsule diameter

19 mm (0.75 in)

## Microphone length

Capsule: 23 mm, Boom poles: 15 cm, 30 cm, 45 cm, 75 cm, 120 cm

## Output voltage, RMS

2.2 V

## Polarity

+V at Pin 2 for positive sound pressure

## Temperature range

-40 to 45  $^{\circ}$ C (-40 to 113  $^{\circ}$ F)

## Relative Humidity (RH)

Up to 90%