

d:dicate™ 401 IER Cardioid Microphone, Rear cable **d:dicate™ 401 IES Cardioid Microphone, Side cable**

A combination of the MMC401 I Microphone Capsule and the MMP-E modular active cable, this mic is part of the modular d:dicate™ Recording Microphone series. At any time and with no tools necessary it is possible to transform the basic 401 IE Microphone into a new configuration by combining it with another d:dicate™ Microphone Capsule or Preamplifier.

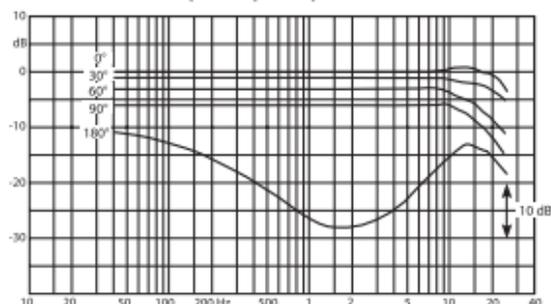
Suspension mount & windscreen

Suspend the mic in the mount by securing the hook around the notch on the preamp. Subsequently twist the cable in the spiral-shaped end of the mount. This allows the Microphone to hang in its own cable and be adjusted to any direction by bending the boom.

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.

With each DPA microphone capsule, comes a unique calibration chart that shows the exact frequency response of the purchased Capsule measured with a linear MMP-A Preamplifier.

Typical on- and off-axis frequency responses for a MMC401 I at 30 cm (1 ft):



d p a microphones.com / 401 I E

Service & repair

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

Warranty

The d:dicate™ 401 IER-401 IES Cardioid Microphone, 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

Cardioid

Principle of operation

Pressure gradient

Cartridge type

Pre-polarized condenser

Frequency range

20 Hz - 20 kHz

Frequency range, ± 2 dB, at 30 cm

40 Hz - 20 kHz

Sensitivity, nominal, ± 2 dB at 1 kHz

10 mV/Pa; -40 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Typ. 18 dB(A) re. 20 μ Pa (max. 20 dB(A))

Equivalent noise level, ITU-R BS.468-4

Typ. 25 dB

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

Typ. 76 dB(A)

Total Harmonic Distortion (THD)

< 1 % up to 139 dB SPL peak

Dynamic range

Typ. 121 dB

Max. SPL, peak before clipping

144 dB

Output impedance

100 Ω

Minimum load impedance

2 k Ω

Cable drive capability

100 m (328 ft)

Output balance principle

Impedance balancing

Common Mode Rejection Ratio (CMRR)

> 40 dB

Power supply (for full specifications)

48 V Phantom power (± 4 V)

Current consumption

3.5 mA

Connector

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

Color

Matte black

Weight

109g (3.8 oz)

Microphone diameter

19 mm (0.75 in)

Capsule diameter

19 mm (0.75 in)

Microphone length

35 mm (1.38 in)

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%