

d:dicat[™] 401 IF Cardioid Microphone, Boom

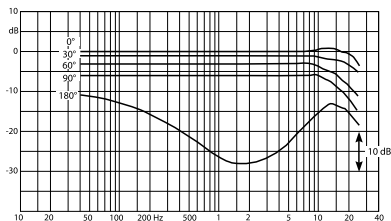
A combination of the MMC401 I Microphone Capsule and the MMP-F modular active boom, this mic is part of the modular d:dicat[™] Recording Microphones series. At any time and with no tools necessary it is possible to transform the basic 401 IF Microphone into a new configuration by combining it with another d:dicat[™] 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.

With each d:dicat[™] 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 of MMC401 I at 30 cm (1 ft) distance:



[dpamicrophones.com / 401IF](http://dpamicrophones.com/401IF)

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:dicat[™] 401 IF Cardioid 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

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))

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

Microphone diameter

19 mm (0.75 in)

Capsule diameter

19 mm (0.75 in)

Microphone length

Capsule: 23 mm (0.9 in), 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%