



d:dicate™ MMC2011 Cardioid Microphone Capsule

The MMC2011 Twin Diaphragm Cardioid Microphone Capsule is a directional mic capsule. The distinctive sound of this microphone is well balanced. This capsule bridges the gap between the extreme sound quality of the d:dicate™ Microphones series and our well-known Miniature Microphones in the d:screet™ and d:fine™ series.

Inside this capsule, two opposite-facing miniature capsules are custom rebuilt. They are placed into a double-diaphragm, one-capsule composition. This combines the advantages of small capsules with the lower inherent noise achieved from a larger diaphragm area. These capsules provide fast impulse response and large frequency bandwidth.

The capsules are loaded to the supreme d:dicate™ Microphone series preamplifiers instead of the tiny miniature FET ones. This gives the sound more air and precision.

Comparisons with its big brother, the iconic MMC4011 capsule, are inevitable. The relationship between the two can be clearly heard. The MMC2000 series performs as well as more exclusive microphones. It is a premium-class mic capsule and redefines the term value for money.

Please read this [note about the acoustic center of the d:dicate™ MMC2011 Twin Diaphragm Cardioid Microphone Capsule](#).

A truly flexible range

The MMC2011 capsule is part of the flexible d:dicate™ Microphone series. The MMC2011A, with the MMP-A preamplifier, is the audiophile's choice. It provides low distortion and accurate sound. The MMC2011C, with the MMP-C compact preamplifier, offers a subtle character alteration with a bit more 'body' to the low end. The MMC2011C is also easier to position due to its small size.

Specifications:

- Directional pattern: Cardioid
- Principle of operation: Pressure gradient, with interference tube
- Cartridge type: Pre-polarized condenser, Twin Diaphragm Capsule
- Frequency range: 20 Hz - 20 kHz
- Frequency range, ± 2 dB, at 30 cm (11.8"): 50 Hz - 17 kHz with 3 dB soft boost at 12 kHz
- Sensitivity, nominal, ± 2 dB at 1 kHz: 10 mV/Pa; -40 dB re. 1 V/Pa
- Equivalent noise level, A-weighted: Typ. 20 dB(A) re. 20 μ Pa (max. 23 dB(A))
- Equivalent noise level, ITU-R BS.468-4: Typ. 33 dB (max. 36 dB)
- S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL): Typ. 74 dB(A)
- Color: Matte black
- Weight: 0.8 oz (24 g)
- Microphone dimensions (\varnothing x L): 0.75" x 2.0" (19 x 51mm)
- Temperature range: -40 °F to 113 °F (-40 °C to 45 °C)
- Relative humidity (RH): Up to 90%
- Sensitivity selection tolerance (at 1 kHz): ± 1.5 dB