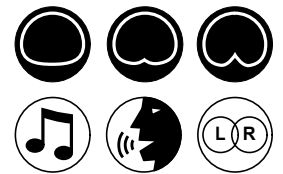




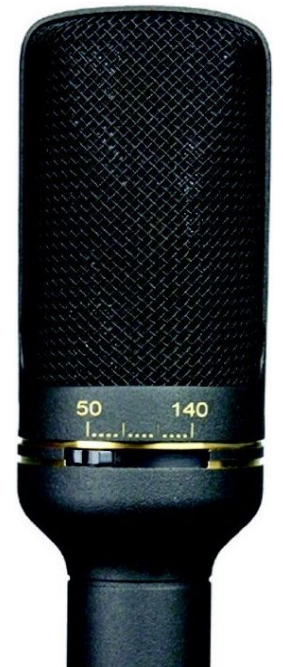
nevatonmics.us

MC48

Large-Diaphragm Stereo Condenser Microphone



The Nevaton MC48 is a large dual-diaphragm stereo condenser microphone with transformerless Class 'A' electronics. It produces an incredible spatial representation and can be used as a main microphone for recording orchestras, chamber ensembles, or pop concerts. It is great for guitar and drums as well as ambient field recordings. It is also well suited for applications in radio and television broadcasting as well as for live concerts and studio sound production. The microphone has an excellent transient response, very low self-noise of 12dBA, and sound pressure level of 135dB. The two large 25mm diaphragms, placed one above the other, can be simultaneously rotated to provide variable stereo width from 50° up to a maximum of 140° and are capable of advanced, adjustable cardioid functions in mono mode. The ultra-thin and gold-coated diaphragms are made of 3-micron polyethylene-terephthalate film and give the MC48 the brilliant and transparent sound it is famous for. All capsule components have passed a special artificial aging process to guarantee long-term stability. The internal construction is elastically mounted to attenuate vibrations and reduce handling noise. Additionally, the capsules are fixed on special dampers to further reduce mechanical noise.

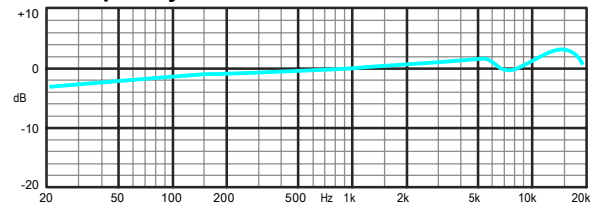


A small LED indicates the presence of 48V phantom power and confirms front position. All input transistors pass a special selection process to guarantee minimal self-noise. The microphone body is made of brass with a dark grey non-reflective paint finish on an epoxy base. A 3-layer metallic grille effectively protects the transducers from electrical and atmospheric interference and contamination from microscopic dust particles. A gold-plated 5-pin XLR connector in the base mates with the breakout cable (dual 3-pin XLR connectors). Each Nevaton microphone is supplied with a printout of its individual frequency response, and comes with an output cable in a fine hardwood box. An isolation clip is also provided.

MC48

Technical Specifications

Frequency Chart: MC48 Cardioid



Electronic Characteristics:

Acoustical operating principle:	Pressure gradient transducer
Fixed directional pattern:	Two cardioids in stereo, wide cardioid in mono
Frequency response:	20 Hz - 20 kHz
Output sensitivity:	20mV / Pa
Maximum SPL:	135 dB for 0.5% THD
Dynamic range:	123 dB
Self noise (DIN / IEC):	12 dB-A
Nominal impedance:	50 Ω
Recommended load:	1 k Ω
Phantom powering:	48V \pm 4V
Current supply:	10 mA
Adjustable capturing:	50° - 140°

Switchable Options:

Pad:	No
Filter / EQ:	Yes

Physical Characteristics:

Transducer:	\varnothing 0.98" (25 mm)
Connector:	XLR-5M
Weight:	1 lb. 1.6 oz. (500 g)
Length:	9.8" (249 mm)
Minimum Diameter / Width:	1.18" (30 mm)
Maximum Diameter / Width:	1.96" (50 mm)