

## MCE 72

Stereo Condenser  
Microphone



### FEATURES

- XY stereophony
- Two cardioid condenser capsules
- Angular width 120° ( $\pm 60^\circ$  off the microphone axis)
- Rugged metal housing
- Battery powered (1.5 V battery)
- Battery indicator LED
- Plug-in connecting cable (5-pin XLR)

### APPLICATIONS

The MCE 72 is a compact stereo microphone for XY recording with a wide and linear frequency response producing uncoloured, high-quality recordings. The MCE 72 is suitable for stereo recording in home studio applications, concert recordings with DAT or MD, film, video and interviewing.

For musicians the MCE 72 is an excellent microphone for assessing performance in rehearsals, production and concerts. For stereo ambient sound recording, the microphone is suitable for direct connection to most camcorders, DAT and MD recorders.

The MCE 72 has two microphone capsules that are mounted in an angle of  $\pm 60^\circ$  to the microphone axis to achieve a wide recording range and an accurate reproduction of the sound source.

The optional EA 19/25 elastic suspension suppresses footfall sound effectively.

Using the optional special EA 86 elastic suspension with a flash holder, the MCE 72 can be mounted onto the "hot shoe" of a camcorder directly but remains isolated from noise caused by the video head and the drive.

The MCE 72 is powered by a standard 1.5 V battery (AA-size). An LED indicates when the battery needs to be replaced.

The plug-in cable enables the connectors on the MCE 72 to be changed quickly.

### VERSIONS

MCE 72 CAM	Stereo condenser microphone, cardioid, with EA 86 for mounting onto a "hot shoe", WS 72 wind screen and MKV 72-K3 cable . . . . .	Order # 470.635
MCE 72	same as above, but with MKV 108 microphone clamp and MKV 82-K3 cable . . . . .	Order # 465.461

### OPTIONAL ACCESSORIES

MVK 72-K3	Microphone cable with 5-pin XLR socket and mini stereo jack plug (3.5 mm), 0.35 m long . .	Order # 470.643
MVK 82-K3	Microphone cable with 5-pin XLR socket and mini stereo jack plug (3.5 mm), 2.5 m long . .	Order # 450.949
EA 19/25	Elastic suspension with MKV 111 microphone clamp . . . . .	Order # 407.194
EA 86	Elastic suspension with BS 86 flash holder . . . . .	Order # 407.186
MKV 8	Microphone clamp, 3/8" internal thread, for shaft diameter of 22 - 32 mm . . . . .	Order # 407.216
WS 72	Wind screen, colour: charcoal-grey . . . . .	Order # 565.016
WS 101	Wind screen, colour: charcoal-grey . . . . .	Order # 111.244
MAV 800	Clip 3/8" for hanging installation (from the ceiling) of microphones . . . . .	Order # 448.133

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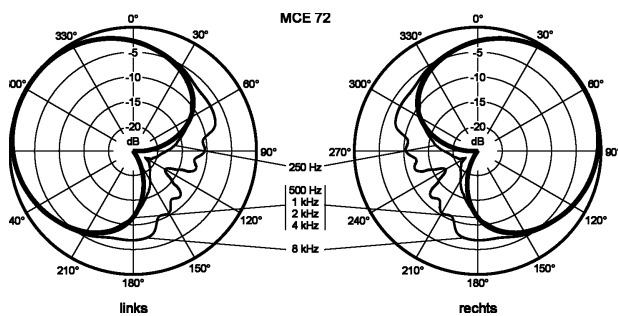
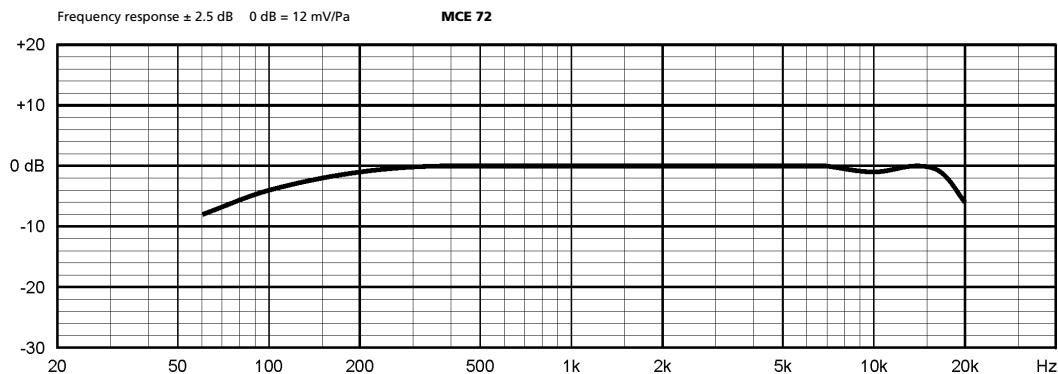
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## TECHNICAL SPECIFICATIONS

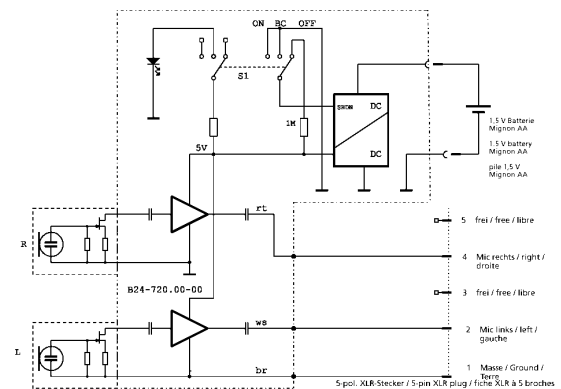
Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Frequency response	60 - 20,000 Hz
Recording	XY stereophony
Polar pattern	2 x cardioid, principal axis angle 120°
Open circuit voltage at 1 kHz	12 mV/Pa
Nominal impedance	180 Ω
Load impedance	> 1 kΩ
Max. SPL at 1 kHz	123 dB
Signal-to-noise ratio rel. to 1 Pa	approx. 60 dB
A-weighted equivalent SPL	approx. 26 dB
Power supply	1.5 V battery (Mignon AA)
Current consumption	12 mA
Operating time with battery type LR 6 (2300 mAh)	approx. 75 hrs.
Output	unbalanced, capacitor decoupled
Connection	5-pin XLR male Pin 1 = Shield Pin 2 = AF- left Pin 3 = not connected Pin 4 = AF- right Pin 5 = not connected
Connecting cable	Input: 5-pin XLR female Output: 3.5 mm Stereo jack plug
Dimensions	Length: 196 mm Diameter: 25 mm
Weight (without battery)	175 g

## FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance  $\pm 2.5$  dB) and polar pattern correspond to a typical production sample for this microphone.



## WIRING DIAGRAM



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