

BM-110 / BM-111

Condenser boundary microphones for desktop or ceiling installation

Condenser microphones for fixed flush mounting in a table top or ceiling. The BM-110 has an omnidirectional (half-spherical) pickup pattern, the BM-111 a cardioid (half-cardioid) pattern. Phantom powered (12-52 V DC), low-impedance balanced output on a built-in XLR connector.



2 polar patterns

80 Hz - 18 kHz

phantom 12-52 V

hole Ø 20 mm

Key features

Two polar patterns

BM-110 omnidirectional - for large rooms; high sensitivity picks up sound from a distance. BM-111 cardioid - higher gain-before-feedback and less room ambience.

Flush mounting

In a table top or ceiling, including suspended ceilings. Ø 20 mm hole, Ø 24 mm with elastic bearing ring. Surface thickness up to 57 mm.

Rugged housing

Die-cast alloy housing for permanent installation.

RF interference immunity

Effective RF shielding reduces interference from mobile phones and other wireless devices.

Vibration isolation

Elastic bearing rings isolate the microphone from surface vibration and mechanical noise.

XLR output

Built-in 3-pin XLR connector, low-impedance balanced output, phantom power 12-52 V DC.

Recommended for

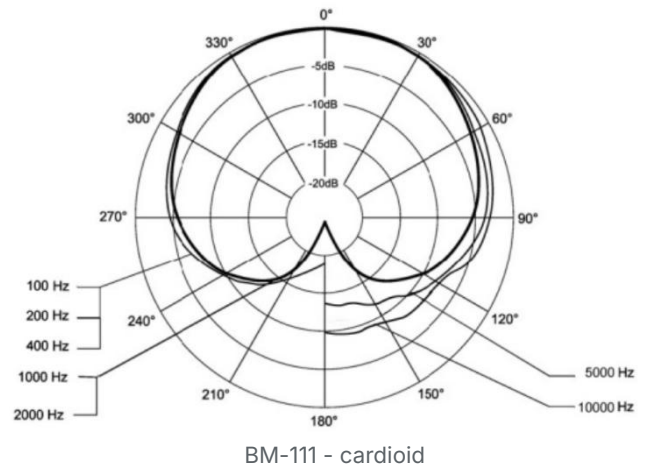
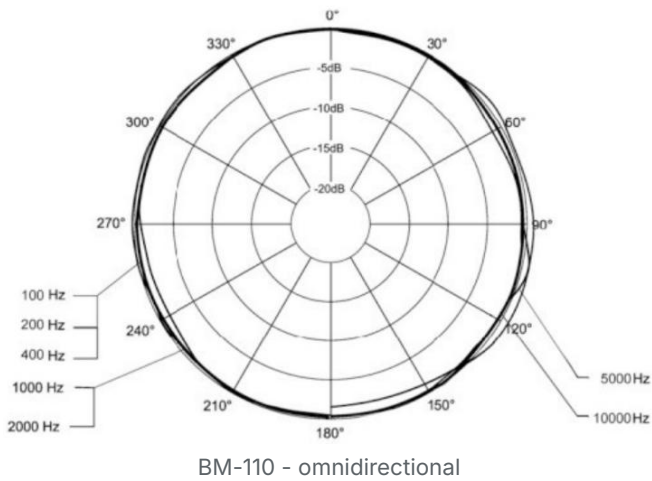
teleconferencing and video conferencing

meeting rooms

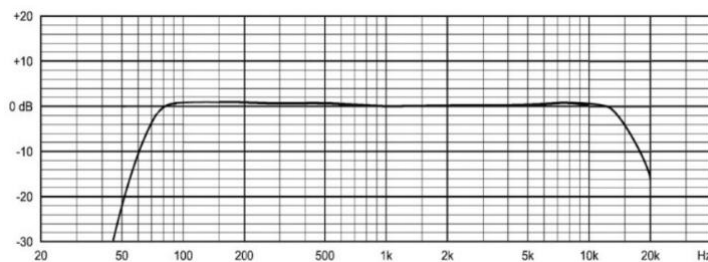
recording

round-table discussions

■ Polar patterns



■ Frequency response



Typical production sample, measurement tolerance ± 2.5 dB.

■ Installation

- mounting hole $\varnothing$ 20 mm, $\varnothing$ 24 mm with elastic bearing ring
- max. table top or ceiling thickness: 57 mm
- table top, fixed or suspended ceiling
- secured with a nut, elastic ring dampens vibration

■ Specifications

Parameter	BM-110	BM-111
Capsule	back-electret condenser	
Polar pattern	omnidirectional (half-spherical)	cardioid (half-cardioid)
Frequency response	80 Hz - 18 kHz	
Sensitivity	18 mV/Pa (-34.4 dBV)	
Output impedance	<200 Ω	
Max. SPL	106 dB SPL (1% THD)	
S/N ratio	68 dB (1 kHz, 1 Pa)	
Noise voltage	6.0 μ V (A-weighted)	
Phantom power	12-52 V DC	
Current consumption	4 mA typical	
Output connector	built-in 3-pin XLR male	
Length	74 mm	75 mm
Diameter	20 mm (tube), 39.5 mm (capsule ring)	
Weight	approx. 95 g (incl. nut and ring)	