

SERENIX PROFESSIONAL AUDIO

SR-170BLM

Boundary layer condenser microphone
for flush surface-mount pickup.

The SR-170BLM is a boundary layer (PZM-style) microphone that mounts flush against a table, floor or wall to capture reflected sound across a wide area with minimal comb filtering. A three-core capacitive capsule delivers a full 20 Hz–20 kHz response and a supercardioid pattern, while 149 dB maximum SPL and 140 dB dynamic range give ample headroom. Balanced XLR output and flexible 1.5–48 V powering suit permanent installs.

20Hz–20kHz FREQUENCY	–36 dB SENSITIVITY	149 dB MAX SPL	85 dB S / N	Supercardioid POLAR PATTERN
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FEATURES

- 01

Boundary layer design

Flush surface mounting captures reflected sound across a wide area while minimising comb filtering.
- 02

Three-core capacitive

A condenser electret capsule gives a wide 20 Hz–20 kHz response with a focused supercardioid pattern.
- 03

High SPL headroom

149 dB maximum SPL and a 140 dB dynamic range handle loud, close sources cleanly.
- 04

Flexible powering

Standard 48 V phantom, or a 1.5–48 V adapter, with balanced XLR output for easy integration.

SPECIFICATIONS

Transducer type	Capacitive, three-core
Frequency response	20 Hz–20 kHz
Polar pattern	Supercardioid
Sensitivity	19 mV/Pascal
Output impedance	75 Ω
Signal-to-noise ratio	85 dB (1 kHz at 1 Pa)
Dynamic range	140 dB (1 kHz at max SPL)
Maximum SPL	149 dB SPL (1 kHz, THD 1 %)
Power supply	Phantom 48 V (1.5–48 V adapter compatible)
Output	Balanced
Cable	10 m dual-core, 8.5 mm — XLR female + XLR male

All figures are nominal, per manufacturer data.

FREQUENCY RANGE



Bandwidth per published specification; not a measured response curve.

HIGHLIGHTS

- Boundary layer pickup of reflected and structure-borne sound
- Supercardioid pattern for focused, low-spill capture
- 149 dB maximum SPL and 140 dB dynamic range
- Balanced XLR output with 10 m dual-core cable
- 48 V phantom or 1.5–48 V adapter powering
- Position carefully during install to prevent feedback

APPLICATIONS

Conference tables

Boardrooms

Stage & theatre

Houses of worship

Courtrooms

Choir pickup