

DATA SHEET

PARLÉ™ CBC 2500 CM CEILING MOUNTED CONFERENCE AUDIO BAR



The Parlé™ CBC 2500 CM is a ceiling mounted, all-in-one conferencing bar for collaboration spaces where wall mounting might be difficult. Featuring a sleek design that hangs from any open plan ceiling with two discreet cables, the CBC 2500 CM is quickly and cleanly installed with two easy connect mounting points and decorative covers.

With integrated Acoustice Echo Cancellation (AEC) and AI Noise Reduction, the CBC 2500 CM uses a 27-element mic array and Biamp Beamtracking™ technology to actively track and intelligently mix conversations from around the room. Two smart speakers use distortion compensation and dynamic bass enhancement technology to create room filling audio with superior speech reproduction.

The CBC 2500 CM also features Biamp Launch, an automated tuning system that optimizes the audio to each unique conferencing space.

FEATURES

- Beamtracking technology actively tracks and intelligently mixes conversations
- AI noise reduction algorithm for clear voice reproduction
- Low distortion smart speakers
- Biamp Launch for one touch automatic tuning
- LED indications for mute status
- Ceiling mount, cables, and cable cover included
- Certified for Microsoft Teams and Zoom

ARCHITECTS & ENGINEERS SPECIFICATION

The conferencing audio bar shall be designed to work with soft codec conferencing systems. The conferencing audio bar shall include a twenty-seven element digital microphone array. The conferencing audio bar microphones shall offer multidirectional beamforming and automatic signal tracking capabilities. The Beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with US Patent 9659576. The conferencing audio bar shall have two low distortion speakers. The conferencing audio bar shall include dynamic bass enhancement and distortion compensation technology. The conferencing audio bar shall support an automated audio setup process that optimizes audio output levels after physical installation is complete. The conferencing audio bar shall be mountable in an open ceiling application. The conferencing audio bar shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be three years. The conferencing audio bar shall be the Parlé™ CBC 2500 CM.

PARLÉ ABC 2500 SPECIFICATIONS

<p>MICROPHONES</p> <p>Microphone Technology: 27-Element Digital Array</p> <p>Frequency Response (100 Hz - 8 kHz): -10dB</p> <p>Polar Pattern: Active Beamformed</p> <p>Pickup Range (25dBA noise floor): > 23 feet (7 m)</p> <p>SNR (@ 1kHz, 94dB SPL, A-Weighted): 69 dB</p> <p>Maximum SPL (@ 1kHz, THD < 10%): 130 dB</p> <p>Indicators: Mute Indicator (Green/Red/Off LEDs)</p> <p>Sensitivity (@ 1Pa): > -37dBFS ± 1dB</p> <p>Microphone Data Rate Output: 48 kHz</p> <p>Audio Processing: AEC (Acoustic Echo Cancellation)</p> <p>Noise Reduction: AI filter</p> <p>LOUDSPEAKERS</p> <p>Frequency Response (57 Hz - 20 kHz): -10 dB</p> <p>Nominal Beamwidth (H x V): 180° x 180°</p> <p>Transducers: 2x 2.5 in (60 mm) full range</p> <p>Rated Maximum SPL (@ 1m): 90 dB (continuous) 96 dB (peak)</p> <p>Sensitivity (@ 1m, 2.83V): 84 dB</p> <p>THD (@ 1kHz): < 0.2%</p> <p>Nominal Impedance: 4Ω</p> <p>Continuous Rated Power (6 dB crest factor, HPF @ 60 Hz): 20W</p> <p>Sampling Rate: 48 kHz</p>	<p>Interfaces</p> <p>USB 3.0: 1x Type C</p> <p>Power Sources</p> <p>USB-C: 60W</p> <p>External Power Supply: 100-240VAC 50/60Hz (12VDC, 4.74A)</p> <p>Overall Dimensions</p> <p>Height: 3.9 inches (100 mm)</p> <p>Width: 37 inches (940 mm)</p> <p>Depth: 2.5 inches (64 mm)</p> <p>Weight: 9.6 lbs (4.4 kg)</p> <p>Environmental</p> <p>Operating Temperature: 32 - 104° F (0 - 40° C)</p> <p>Humidity: 0-90% (non-condensing)</p> <p>Altitude: 0-10,000 ft (0-3000m) MSL</p> <p>Compliance: FCC Part 15B (USA) CE Marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)</p>
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PARLÉ CBC 2500 CM COVERAGE AREA BY MOUNTING HEIGHT

Mounting Height (AFF)	Coverage Width	Coverage Length	Coverage Area
8' (2.4M)	11' (3.4M)	17' (5.2M)	187 sq ft (17.4M ²)
9' (2.7M)	11' (3.4M)	17' (5.2M)	187 sq ft (17.4M ²)
10' (3.0M)	10' (3.0M)	16' (4.9M)	160 sq ft (14.9M ²)
11' (3.4M)	9' (2.7M)	15' (4.6M)	135 sq ft (12.5M ²)
12' (3.7M)	8' (2.4M)	14' (4.3M)	112 sq ft (10.4M ²)

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<p>Bundle Contents:</p> <ul style="list-style-type: none"> (1) Parlé ABC 2500 Bar (1) Mounting plate with center plug (2) Decorative cable covers 39" (1m) (2) Aircraft Cables 10' (3m) (2) Cable grippers with quick connect (2) Eye bolts (Lag Screw Type) (1) USB 3.0 cable 33" (10m) (1) Power extender 33" (10m)
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OPTIONAL ACCESSORIES



DCC Kit
Decorative cable cover kit

Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

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