DATA SHEET
PARLÉ™ CBC 2500 PM
CEILING MOUNTED CONFERENCING AUDIO BAR

Certified for
Microsoft Teams

zoom Certified

The Parlé™ CBC 2500 PM 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 an aesthetically pleasing pole mount assembly, the CBC 2500 PM is quickly and cleanly installed with a single mounting point.

With integrated Acoustic Echo Cancellation (AEC) and AI Noise Reduction, the CBC 2500 PM 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 PM 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
- Pole mount assembly 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 PM.

PARLÉ ABC 2500 SPECIFICATIONS

MICROPHONES

Microphone Technology:	27-Element Digital Array
Frequency Response (100 Hz - 8 kHz):	-10dB
Polar Pattern:	Active Beamformed
Pickup Range (25dBA noise floor):	> 23 feet (7 m)
SNR (@ 1kHz, 94dB SPL, A-Weighted):	69 dB
Maximum SPL (@ 1kHz, THD < 10%):	130 dB
Indicators:	Mute Indicator (Green/Red/Off LEDs)
Sensitivity (@ 1Pa):	> -37dBFS ± 1dB
Microphone Data Rate Output:	48 kHz
Audio Processing:	AEC (Acoustic Echo Cancellation)
Noise Reduction:	AI filter

LOUDSPEAKERS

Frequency Response (57 Hz - 20 kHz):	-10 dB
Nominal Beamwidth (H x V):	180° x 180°
Transducers:	2x 2.5 in (60 mm) full range
Rated Maximum SPL (@ 1m):	90 dB (continuous) 96 dB (peak)
Sensitivity (@ 1m, 2.83V):	84 dB
THD (@ 1kHz):	< 0.2%
Nominal Impedance:	4Ω
Continuous Rated Power (6 dB crest factor, HPF @ 60 Hz):	20W
Sampling Rate:	48 kHz

Interfaces

USB 3.0:	1x Type C

Power Sources

USB-C:	60W
External Power Supply:	100-240VAC 50/60Hz (12VDC, 4.74A)

Overall Dimensions

Height:	3.9 inches (100 mm)
Width:	37 inches (940 mm)
Depth:	2.5 inches (64 mm)
Weight:	9.6 lbs (4.4 kg)

Environmental

Operating Temperature:	32 - 104° F (0 - 40° C)
Humidity:	0-90% (non-condensing)
Altitude:	0-10,000 ft (0-3000m) MSL

Compliance:

FCC Part 15B (USA)
CE Marked (Europe)
UL and C-UL listed (USA and Canada)
RoHS Directive (Europe)

PARLÉ CBC 2500 PM 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)

PARLÉ CBC 2500 PM SPECIFICATIONS

Bundle Contents:

(1) Parlé ABC 2500/2500a Bar
(1) Pole mount assembly
(1) Bar mounting plate
Pipe (3 lengths) [6", 1', 2' (153, 305, 610 mm)]
(1) Bracket coupler and nut
(1) USB cable 10m (32.8')
(1) Power cable 10m (32.8')
(4) Lag bolts
(1) Instructions