

DATA SHEET

PARLÉ™ ABC 2500

CONFERENCING AUDIO BAR



Parlé™ ABC 2500 is an all-in-one conferencing bar featuring Biamp Audio Intelligence to deliver premium audiovisual experiences for small and medium conference rooms. With integrated AEC and NRD, the ABC 2500 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 ABC 2500 also features Biamp Launch, an automated tuning system that optimizes the audio to each unique conference space.

Parlé ABC 2500 can be plugged directly into a UC System with a single USB connection or can be paired with a Devio™ SCR-10 for a BYOD system.

FEATURES

- Beamtracking technology actively tracks and intelligently mixes conversations
- Deep learning noise reduction algorithm for clear voice reproduction
- Low distortion smart speakers
- Biamp Launch for one touch automatic tuning
- LED indications for mute status
- Table, wall, and display mount options available

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 on a tabletop, wall, or display. 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™ ABC 2500.

PARLÉ ABC 2500 SPECIFICATIONS

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

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