

# DATA SHEET

## PARLÉ™ ABC 2500A

### CONFERENCING AUDIO BAR



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

Parlé ABC 2500a 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
- AI noise reduction algorithm for clear voice reproduction
- Low distortion smart speakers
- Biamp Launch for one touch automatic tuning
- LED indications for mute status
- Discrete output for Assistive Listening Systems
- 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 provide a discrete output for Assistive Listening Systems via a 3.5mm mono balanced output. 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 2500a.

## PARLÉ ABC 2500A SPECIFICATIONS

<b>MICROPHONES</b>		<b>Interfaces</b>	
<b>Microphone Technology:</b>	27-Element Digital Array	<b>USB 3.0:</b>	1x Type C
<b>Frequency Response (100 Hz - 8 kHz):</b>	-10dB	<b>Assistive Listening Feed:</b>	1x 3.5mm mono balanced
<b>Polar Pattern:</b>	Active Beamformed	<b>Power Sources</b>	
<b>Pickup Range (25dBA noise floor):</b>	> 23 feet (7 m)	<b>USB-C:</b>	60W
<b>SNR (@ 1kHz, 94dB SPL, A-Weighted):</b>	69 dB	<b>External Power Supply:</b>	100-240VAC 50/60Hz (12VDC, 4.74A)
<b>Maximum SPL (@ 1kHz, THD &lt; 10%):</b>	130 dB	<b>Overall Dimensions</b>	
<b>Indicators:</b>	Mute Indicator (Green/Red/Off LEDs)	<b>Height:</b>	3.9 inches (100 mm)
<b>Sensitivity (@ 1Pa):</b>	> -37dBFS ± 1dB	<b>Width:</b>	37 inches (940 mm)
<b>Microphone Data Rate Output:</b>	48 kHz	<b>Depth:</b>	2.5 inches (64 mm)
<b>Audio Processing:</b>	AEC (Acoustic Echo Cancellation)	<b>Weight:</b>	9.6 lbs (4.4 kg)
<b>Noise Reduction:</b>	AI filter	<b>Environmental</b>	
<b>LOUDSPEAKERS</b>		<b>Operating Temperature:</b>	32 - 104° F (0 - 40° C)
<b>Frequency Response (57 Hz - 20 kHz):</b>	-10 dB	<b>Humidity:</b>	0-90% (non-condensing)
<b>Nominal Beamwidth (H x V):</b>	180° x 180°	<b>Altitude:</b>	0-10,000 ft (0-3000m) MSL
<b>Transducers:</b>	2x 2.5 in (60 mm) full range	<b>Compliance:</b>	
<b>Rated Maximum SPL (@ 1m):</b>	90 dB (continuous) 96 dB (peak)	FCC Part 15B (USA)	
<b>Sensitivity (@ 1m, 2.83V):</b>	84 dB	CE Marked (Europe)	
<b>THD (@ 1kHz):</b>	< 0.2%	UL and C-UL listed (USA and Canada)	
<b>Nominal Impedance:</b>	4Ω	RoHS Directive (Europe)	
<b>Continuous Rated Power (6 dB crest factor, HPF @ 60 Hz):</b>	20W		
<b>Sampling Rate:</b>	48 kHz		

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