

## AMPLIFIER SPEC SHEET



MODEL		CHANNEL COUNT	WATTS PER CHANNEL
CS 64D		4 CHANNELS	60 WATTS
AUDIO SPEC	Output Power	$4 \times 60~$ WRMS @ $4\Omega, 8\Omega, 70V, 100V~(30W~at~2\Omega)$	
	Inputs	Analog: 4 Balanced analog Inputs with user-selectable 26dB, 34dB, and mic level input sensitivity 4 Unbalanced RCA inputs with user-selectable 26dB and 34dB input sensitivity  ***Note – Balanced and Unbalanced (RCA) inputs share the same analog input channel  Dante: 4x4 Dante at 48kHz, Multicast, or Unicast  AES 67: Configurable via the Dante Controller Software	
	THD+N	0.1% (20Hz to 20kHz)	
	Frequency Response	+/- 0.5 dB @ 4 $\Omega$ , 8 $\Omega$ , 70V, 100V, -2.5dB @ 20kHz at 2 $\Omega$	
	Signal to Noise Level	102dB (20Hz to 20kHz referenced to $8\Omega$ )	
	Crosstalk	70dB (20Hz to 20kHz)	
	I/O Latency	1 ms DSP latency under any condition	
	Load Impedance	LowZ down to 2 ohms, 70V direct, and 100V Direct per channel	
	Output Classification	Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality without sacrificing an amplifier channel	
	DC Offset	+/- 3mV	
OSP	DSP Architecture	Analog Devices Sigma 96kHz DSP Processor with	32-bit Core with Sample Rate Converters
	Input Matrix	Routable matrix; any inp with primary and second	· · · · · · · · · · · · · · · · · · ·
	Crossovers	Up to 48 dB/Octave IIR Filters (Linkwitz F	Riley and Butterworth) and Bessel
	Parametric EQ	8 Band Parametric E0	Q per channel
	Output Delay	100ms per channel	
	Output Protection	DC, VHF, and AC Mains Protection, Over-temp	and Current Limiter, fan fault detection
	Limiting	Peak Voltage and RMS Voltage	
	Load Monitoring	Realtime Load Monitoring and Pilot Tone Detec	
CONTROL, OPS MONITORING, DATA NETWORK	Network Connectivity	Wi-Fi or 100MB Ethernet with PoE or Built in Wi-Fi Access Point (IEEE 802.11 b/g/n WPA, WPA2, WEP)	
	User Interface	Web Browser User Interface, 3rd Party API	
	Operating Systems	MAC, iOS, PC,	
	Event Reporting	User Downloadable and Viewable Event and Fault log	-
	External I/O	External I/O In: Toggles Remote On/Off   External I/O Out: Indicates Amplifier Health 4 general-purpose Input and Output pins for general input Triggering and output statuses: Coming soon	
	Cloud IoT	AWS Cloud-based Io	
	AC Mains	100VAC - 240VAC +/- 15	<u>,                                      </u>
	Temperature	Storage: -20°C to 90° C - Ope	
	Power Supply	Universal Switch Mode	-
	Safety Approvals	UL, CSA, CE, ETL, FCC, CCC, F	,
PHYSICAL SPEC	Dimensions (L x W x H)	Product: 11.82" x 8.58" x 1.71" (3 Shipping: 18" x 11" x 2.75" (45	300.11mm x 278mm x 43.5mm)
	Weight	7lbs / 3.1kg   Shipping	
	Cooling	Front to Rear Variable Fan Speed Cooling   Fan Nois 57dB @1m   Fan No	se at idle is 50dB @ 1m   Fan Noise at 50% is pise at full speed is 63dB @1m
	Connectors	Analog Input: 3 pin Amphenol Anytek, Output: 2 pin Amphenol Anytek, External IO: 8 pin Amphenol Anytek, Power in: IEC, Ethernet RJ45 In for Dante, and RCA input	

LEA Professional reserves the right to make any necessary changes to the specification. The LEA Professional Warranty is 6 years from date of purchase And product registration in the United States, and 5 years internationally.





