

CONNECT SERIES

- AMPLIFIER SPEC SHEET -



	MODEL	CHANNEL COUNT	WATTS PER CHANNEL
	CS 1504	4 CHANNELS	1500 WATTS
AUDIO SPEC	Output Power	4 x 1500 WRMS Per Channel @ 2Ω, 4Ω, 8Ω, 70V, 100V 750 Watts @ 25V	
	Input	4 Analog: Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity	
	THD+N	0.1% (20Hz to 20kHz)	
	Frequency Response	+/- 0.5 dB @ 4Ω, 8Ω, 70V, 100V, -2.5dB @ 20kHz at 2Ω	
	Signal to Noise Level	105dB (20Hz to 20kHz referenced to 8Ω)	
	Crosstalk	70dB (20Hz to 20kHz)	
	I/O Latency	3.2ms DSP latency with no FIR Coefficients loaded	
	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 on 2 channels without sacrificing an amplifier channel	
	DC Offset	+/- 3mV	
DSP	DSP Architecture	Analog Devices Sharc 96kHz DSP Processor with 32-bit Core with Sample Rate Converters	
	Input Matrix	Routable matrix; any input to any output with primary and secondary input priority	
	Crossovers	Up to 48 dB/Octave IIR Filters (Linkwitz Riley and Butterworth and Bessel), FIR filters (24db/oct & 48db/oct Linkwitz Riley, Linear Phase Brickwell, and ability to load FIR Coefficients – 2048 taps per channel @96 KHZ)	
	Parametric EQ	8 Band Parametric EQ per channel	
	Output Delay	4 Seconds 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 Detection from Internal or External Sources		
CONTROL, MONITORING, 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, 3 rd Party API Control, LEA Cloud or SharkWare	
	Operating Systems	Web UI - (MAC, IOS, PC, Android, Linux), SharkWare – MAC & PC	
	Event Reporting	User Downloadable and Viewable Event and Fault log - POE allows for enhanced error monitoring	
	External I/O	External I/O In: Toggles Remote On/Off External I/O Out: Indicates Amplifier Health	
	Cloud IoT	AWS Cloud based IoT functionality via LEA Professional Cloud	
OPS DATA	AC Mains	100VAC - 240VAC +/- 15% 50Hz or 60Hz	
	Temperature	Storage: -20°C to 90° C - Operating: 0°C to 60° C	
	Power Supply	Universal Switch Mode Power Supply	
	EN54-16 Output Power	1218 Watts @ 9.6Ω (40° C ambient temp for 1 minute) Smart Power Bridge: 1884 Watts @ 9.6Ω (40° C ambient temp for 1 minute)	
	Safety Approvals	UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE, EN54-16	
PHYSICAL SPEC	Dimensions (L x W x H)	Product: 17.25" x 19" x 2U (438mm x 482mm x 2U) Shipping: 22" x 22.75" x 8" (578mm x 203mm x 559mm)	
	Weight	28lbs / 12.7kg Shipping: 30lbs / 13.6kg	
	Cooling	Front to Rear Variable Fan Speed Cooling Fan Noise at idle is 50dB @ 1m Fan Noise at 50% is 57dB @1m Fan Noise 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 cord (32A Neutrick Powercon to L6-30p), Ethernet RJ45 In for Control, Primary and Secondary RJ45 in for Dante	

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.



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