HALF-RACK

AMPLIFIER SPEC SHEET



MODEL		CHANNEL COUNT	WATTS PER CHANNEL
CS 124D		4 CHANNELS	120 WATTS
	Output Power	$4 \times 120~$ WRMS @ $4\Omega,8\Omega,70V,100V$ (60W at $2\Omega)$	
AUDIO SPEC	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 @ 4Ω, 8Ω, 70V, 100V, -2.5dB @ 20kHz at 2Ω	
	Signal to Noise Level	102dB (20Hz to 20kHz referenced to 8Ω)	
	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	
DSP	DSP Architecture	Analog Devices Sigma 96kHz DSP Processor v	vith 32-bit Core with Sample Rate Converters
	Input Matrix	Routable matrix; any with primary and sec	
	Crossovers	Up to 48 dB/Octave IIR Filters (Linkwitz Riley and Butterworth) and Bessel	
	Parametric EQ	8 Band Parametric EQ 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 D	
CONTROL, MONITORING, NETWORK	Network Connectivity		oE or Built-in Wi-Fi Access Point WPA, WPA2, WEP)
	User Interface	Web Browser User Interface, 3rd Party A	PI control, Cloud Control, or SharkWare
	Operating Systems	MAC, iOS, F	PC, Android
	Event Reporting	User Downloadable and Viewable Event and Faul	
	External I/O	External I/O In: Toggles Remote On/Off E 4 general-purpose Input and O Triggering and output stat	utput pins for general input uses: Coming soon
	Cloud IoT	AWS Cloud-based	
OPS	AC Mains	100VAC - 240VAC +/	
	Temperature	Storage: -20°C to 90° C -	
	Power Supply	Universal Switch M	,
PHYSICAL SPEC	Safety Approvals Dimensions (L x W x	UL, CSA, CE, ETL, FCC, CC	
	Dimensions (L x w x H)		1" (300.11mm x 278mm x 43.5mm)
	Weight	7lbs / 3.1kg Shipp	(457.2mm x 300mm x 69.85mm)
	Cooling	Front to Rear Variable Fan Speed Co	oling Fan Noise at idle is 50dB @1m an Noise at full speed is 63dB @1m
	Connectors		rtek, Output: 2 pin Amphenol Anytek,
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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.





