

# CONNECT SERIES

## - AMPLIFIER SPEC SHEET -



MODEL	CHANNEL COUNT	WATTS PER CHANNEL
<b>CS 704-G</b>	<b>4 CHANNELS</b>	<b>700 WATTS</b>

	MODEL	CHANNEL COUNT	WATTS PER CHANNEL
AUDIO SPEC	Output Power	4 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)   330 Watts @ 25V	
	Inputs	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	1 ms DSP latency under any condition	
	Load Impedance	LowZ down to 2 ohms, 70V direct, and 100V Direct per channel	
DSP	Output Classification	Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality without sacrificing an amplifier channel	
	DC Offset	+/- 3mV	
	DSP Architecture	Analog Devices Sigma 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	
	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	
CONTROL, MONITORING, NETWORK	Limiting	Peak Voltage and RMS Voltage	
	Load Monitoring	Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources	
	Network Connectivity	100MB Ethernet with PoE )	
	User Interface	Web Browser User Interface or 3rd Party API	
	Operating Systems	MAC, iOS, PC, Android	
OPS DATA	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	
	AC Mains	100VAC - 240VAC +/- 15% 50Hz or 60Hz	
	Temperature	Storage: -20°C to 90° C - Operating: 0°C to 60° C	
PHYSICAL SPEC	Power Supply	Universal Switch Mode Power Supply	
	EN54-16 Output Power	609 Watts @ 9.6Ω (40° C ambient temp for 1 minute) Smart Power Bridge: 942 Watts @ 9.6Ω (40° C ambient temp for 1 minute)	
	Safety Approvals	UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE, EN54-16	
	Dimensions (L x W x H)	Product: 14.25" x 19" x 1U (362mm x 482mm x 1U) x 1U (362mm x 482mm x 1U) Shipping: 20" x 22.75" x 3.75" (508mm x 578mm x 95.25mm)	
	Weight	14lbs / 4kg   Shipping: 18.7lbs / 8.5kg	
PHYSICAL SPEC	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: 3 pin Amphenol Anytek, Power in: IEC, Ethernet RJ45 In for Control	

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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