CONNECTSERIES
-AMPLIFIER SPEC SHEET-

OUTPUT POWER	CONNECT 88	8 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω, 80W at 25V)
	CONNECT 168	8 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω, 160W at 25V)
	CONNECT 84	4 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω, 80W at 25V)
	CONNECT 164	4 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω, 160W at 25V)
	CONNECT 354	4 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω, 230W at 25V)
	CONNECT 704	4 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω, 330W at 25V)
	CONNECT352	2 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω, 230W at 25V)
	CONNECT 702	2 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω, 330W at 25V)
AUDIO SPEC	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
	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 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
	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 or 3rd Party API control Q-Sys
	Operating Systems	MAC, iOS, PC, Android
	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	Cloud based IoT functionality
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
	Safety Approvals	UL, CSA,CE, ETL, FCC, CCC, KETI, NOM , ROHS, PSE
PHYSICAL SPEC	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	Connect Series 352 & Connect Series 702: 10lbs / 3.4kg | Shipping: 17.4lbs / 7.9kg Connect Series 354 & Connect Series 704: 14lbs / 4kg | Shipping: 18.7lbs / 8.5kg Connect Series 84 & Connect Series 164: 12.05lbs / 5.46kg | Shipping: 16.35lbs / 7.41kg Connect Series 88 & Connect Series 168: 13.35lbs / 6.05kg | Shipping: 17.75lbs / 8.05kg
	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, Primary and Secondary RJ45 in for Dante ***Note: 84, 164, 88, 168 do not have potentiometers on the rear panel

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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