

# CONNECT SERIES

## - AMPLIFIER SPEC SHEET -



| MODEL   | CHANNEL COUNT | WATTS PER CHANNEL |
|---------|---------------|-------------------|
| CS 702D | 2 CHANNELS    | 700 WATTS         |

|                              |  |  |
|------------------------------|--|--|
| AUDIO SPEC                   | Output Power   | 2 x 700 WRMS Per channel @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω)   330 Watts @ 25V   |
|                              | Inputs   | 4 Analog: Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity<br>Dante: 8 x 8 Dante at 96kHz or 48kHz, Multicast or Unicast<br>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  | 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  |
| DSP                          | 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   | 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, Atlona, Extron, Utelogy, Crestron, RTI, Barco   |
|                              | Operating Systems  | MAC, iOS, PC, Android  |
|                              | Event Reporting  | User Downloadable and Viewable Event and Fault log - POE allows for enhanced error monitoring  |
| OPS DATA                     | 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   |
|                              | Safety Approvals   | UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE   |
|                              | 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)<br>Shipping: 20" x 22.75" x 3.75" (508mm x 578mm x 95.25mm)  |
|                              | Weight   | 10lbs / 3.4kg   Shipping: 17.4lbs / 7.9kg  |
|                              | Cooling  | Front to Rear Variable Fan Speed Cooling   Fan Noise at idle is 50dB @ 1m   Fan Noise at 50% is 57dB @ 1m<br>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 |  |

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.

