**AUDIO SPEC**

- **Output Power**: 8 x 160 WRMS Per Channel @ 4Ω, 8Ω, 25V, 70V, 100V (80W at 2Ω)
- **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**: LowZ down to 2 ohms, 70V direct, and 100V Direct per channel
- **Load Impedance**: 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
- **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
- **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**: 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
- **Power Supply**: Universal Switch Mode Power Supply
- **Safety Approvals**: UL, CSA,CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE

**PHYSICAL SPEC**

- **Model**: CS 168
- **Channel Count**: 8 CHANNELS
- **Watts Per Channel**: 160 WATTS

**Dimensions (L x W x H)**: 14.25” x 19” x 1U (362mm x 482mm x 1U) x 1U (362mm x 482mm x 1U)

**Weight**: 31.10lbs / 14.10kg | Shipping: 36.7lbs / 16.75kg

**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. **Note**: 168 does not have potentiometers on the real 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.