



# LEA

## Dante Connect

- amplifier datasheet -

|                                 |                                 |                                                                                                                                                                                                                                                                              |
|---------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Power<br>(20Hz to 20kHz) | Connect 88D                     | 8 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω)                                                                                                                                                                                                                                  |
|                                 | Connect 168D                    | 8 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω)                                                                                                                                                                                                                                 |
|                                 | Connect 84D                     | 4 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω)                                                                                                                                                                                                                                  |
|                                 | Connect 164D                    | 4 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω)                                                                                                                                                                                                                                 |
|                                 | Connect 354D                    | 4 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)                                                                                                                                                                                                                                |
|                                 | Connect 704D                    | 4 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)                                                                                                                                                                                                                                |
|                                 | Connect 352D                    | 2 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)                                                                                                                                                                                                                                |
|                                 | Connect 702D                    | 2 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)                                                                                                                                                                                                                                |
| Audio Spec                      | Inputs                          | <b>Analog:</b> Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity (2CH = 2 inputs, 4CH = 4 inputs, 8CH = 8 inputs)<br><b>Dante:</b> 8 x 8 Dante at 96kHz or 48kHz, Multicast or Unicast<br><b>AES 67:</b> Configurable via the Dante Controller Software |
|                                 | THD+N                           | 0.1% (20Hz to 20kHz)                                                                                                                                                                                                                                                         |
|                                 | Frequency Response              | 20Hz to 20kHz, +/- 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                                                                                                                                                                                                                 |
|                                 | Amplifier 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)                                                                                                                                                                                                              |
|                                 | Parametric EQ                   | 8 Band Parametric EQ per channel                                                                                                                                                                                                                                             |
|                                 | Output Delay                    | 100ms per channel                                                                                                                                                                                                                                                            |
|                                 | Output Protection               | DC, VHF, and AC Mains Protection, Overtemp and Current Limiter, fan fault detection                                                                                                                                                                                          |
|                                 | User Adjustable Limiting        | Peak Voltage and RMS Voltage                                                                                                                                                                                                                                                 |
| Control, Monitoring, Network    | Load Monitoring                 | Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources                                                                                                                                                                                          |
|                                 | Network Connectivity            | WiFi or 100MB Ethernet with PoE or Built in WiFi Access Point (IEEE 802.11 2.4GHz b/g/n WPA, WAP2, WEP) Operating Frequency: 2412 – 2472MHz ; Channel Spacing: 5MHz ; Modulation: DSSS, OFDM                                                                                 |
|                                 | User Interface                  | Web Browser User Interface, 3rd Party API control, or CLOUD control                                                                                                                                                                                                          |
|                                 | Supported 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<br>External I/O Out: Indicates Amplifier Health                                                                                                                                                                                       |
| Operation                       | Cloud IoT                       | 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 with Power Factor Correction (No PFC in 84D, 164D, 88D, & 168D)                                                                                                                                                                           |
| Physical Spec                   | 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                          | 352D & 702D: 10lbs / 3.4kg   Shipping: 17.4lbs / 7.9kg<br>354D & 704D: 14lbs / 4kg   Shipping: 18.7lbs / 8.5kg<br>84D & 164D: 12.10lbs / 5.49kg   Shipping: 16.40lbs / 7.44kg<br>88D & 168D: 13.40lbs / 6.08kg   Shipping: 17.80lbs / 8.07kg                                 |
|                                 | Cooling                         | Front to Rear Variable Fan Speed Cooling<br>Fan Noise at idle is 50dB @ 1m<br>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 ***Note: 84D, 164D, 88D, & 168D 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.