

High Output, self powered (class D switch mode power supply with PFC), line array element. It consists of a 2 x 10" (2" voice coil) transducer with 1.4" exit throat driver with waveguide system delivering 100°H x 10°V precise coverage. DSP (FIR technology) controlled with 2000W amplification, 138 dB peak.



Key features

- Class D Powered (bi-amplified)
- Integrated Digital Processing
- Internal temperature control
- Electronic protection
- FIR linear phase filtering
- Online monitoring available
- Two way active system

Applications

- Outdoor events
- Theatres
- Large stadiums / arenas
- Auditoriums
- Indoor live PA
- Houses of worship

General description & specifications

The LAIA-210 enclosure is a medium format Line Array module that offers an ideal solution for a wide variety of indoor and outdoor applications where a compact, practical and reliable Line Array system is required.

LAIA-210 is a self-powered 2-way system with a total of 2000 W in class D, universal switching power supply and a PFC system for better optimization of input voltage and current and lower consumption. Equipped with a powerful next-generation

64-bit/96KHz DSP designed and manufactured by Lynx Pro Audio, it offers the most recent advances in digital processing, such as FIR filters, which offer linear frequency and phase response. The latest 32-bit/96KHZ AD/DA converters make the system one of the most advanced and innovative line arrays on the market, resulting in superior sound quality. Additionally, LAIA series systems can be controlled remotely using the OCS control platform, giving the user the ability to control the systems without the need for external processors.

Technical Data

| Components | |
|---------------------|--|
| • LF: | 2 x 10", 2" voice coil, Tetracoil ultra linear motor |
| • HF: | 1 x 1.4" exit throat, (3" voice coil) with titanium diaphragm |
| Frequency range | 55 Hz - 20 KHz (-10 dB) |
| Frequency response | 65 Hz - 18 KHz (± 3dB) |
| Max SPL | 132dB / 138dB Peak* |
| Coverage | 100° H x 10 ° V |
| Power | 2000 W (4000 W peak) Class D with switching power supply & PFC LF amplifier: 1 x 1600 W RMS, 1600 W peak HF amplifier: 1 x 400 W RMS, 800 W peak |
| DSP Processing | 96 KHz / 64 bit double-precision |
| Control | User control interface with 2.8" IPS screen and multifunction joystick controller |
| Control connections | USB (DSP programming) / Dual Ethernet port |
| Input | Analog BAL/UNBAL XLR, Digital AES/EBU (Optional) |
| AC power | 90 – 264V. 50/60 Hz with PFC |
| AC connections | 16A Neutrik powerCon true1 TOP with looping output |
| Finish | Polyurea coating, high grade resistant paint |
| Material | 15 mm Premium birch plywood |
| Dimensions | 303 x 749 x 473 mm (H x W x D) without pins |
| Weight | 30 Kg (66.13 lbs) |

* Calculated maximum SPL based on rated peak power and measured sensitivity

Dimensions

