

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

