

High Output, self powered (class D switch mode power supply), multi purpose, point source cabinet. It consists of a 12" (3" voice coil) transducer with 1" exit throat driver delivering 90°H x 60°V precise coverage. DSP (FIR technology) controlled with 1200W amplification, 132 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 & auditoriums
- Frontfill/sidefill reinforcement
- Auditoriums
- Indoor live PA
- Houses of worship
- Stage monitor

General description & specifications

The LAIA-12 enclosure is a medium format, multi purpose, point source cabinet that offers an ideal solution for a wide variety of indoor and outdoor applications, both in fixed installations and/or touring. Thanks to the cabinet's design, it can be used as a stage monitor.

LAIA-12 is a self-powered 2-way system with a total of 1200W in class D, universal switching power supply. 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 point source 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:	12", 3" voice coil, waterproof treatment for both sides
• HF:	1 x 1" exit throat 1.75" voice coil
Frequency range	65 Hz - 20 KHz (-10 dB)
Frequency response	75 Hz - 18 KHz (± 3dB)
Max SPL	126 dB / 132 dB Peak*
Coverage	90° H x 60 ° V
Power	1200 W Class D (2400 W peak) with switching power supply LF amplifier: 1 x 800 W, 1600 W peak HF amplifier: 1 x 400 W, 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
AC connections	16A Neutrik powerCon true1 TOP with looping output
Finish	Polyurea coating, high grade resistant paint
Material	15 mm Premium birch plywood
Dimensions	645 x 370 x 379mm (H x W x D)
Weight	25 Kg (55.12 lbs)

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

Dimensions

