

High Output, self powered (class D switch mode power supply), bass reflex, direct radiation subwoofer, DSP controlled with 1200 W, 138 dB peak.



Key features

- 1200W Class D Powered
- Integrated Digital Processing
- Internal temperature control
- Electronic protection
- Online monitoring available

Applications

- Fixed installations
- Houses of worship
- Touring
- Clubs
- Theatres
- Live PA

General description & specifications

The LAIA-18S enclosure is a high-performance subwoofer that offers an ideal solution for a wide variety of applications, both indoors and outdoors, perfectly complementing the POINT SOURCE series, LINE ARRAY systems in its series.

LAIA-18S is a self-powered subwoofer with a total of 1200 W 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. The latest 32-bit/96KHz AD/DA converters make the system one of the most advanced and innovative acoustic enclosures 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 of external processors.

It consists of a 18" and 4" voice coil speaker, double silicone spider with optimized flexibility. Ventilated V.C space for reduced power compression and aluminum demodulator ring for very low distortion, in addition to a treated cone for water protection on both sides.

Delivering high power levels from a very compact format, the enclosure is made from premium 18mm birch plywood, finished with a polyurea coating for added durability and weather protection.

Technical Data

Components	
• LF:	18", 4" voice coil
Frequency range	30 Hz - 120 Hz (-10 dB)
Frequency response	35 Hz - 100 Hz (± 3dB)
Max SPL	132 dB / 138 dB Peak*
Coverage	Omnidirectional
Power	1200 W (2400 W peak) Class D with switching power supply
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	705 x 606 x 729 mm (H x W x D)
Weight	55 Kg (121.25 lbs)

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

Dimensions

