

Self-powered subwoofer enclosure in class D and equipped with 2 x 18 "speakers (4" coil). 4000 W amplifier controlled by DSP, offering 136 dB SPL peak.

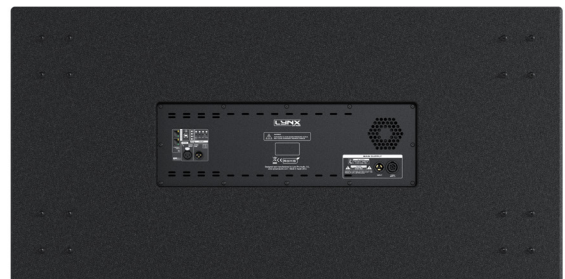


Key features

- 4000W 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-218S enclosure is a high-performance subwoofer that offers an ideal solution for a wide variety of applications, both indoors and outdoors, perfectly complementing the LINE ARRAY systems in its series.

LAIA-218S is a self-powered subwoofer with a total of 4000 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. 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 2 x 18" and 4" voice coil speakers, 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.

Since the LAIA-218s is a subwoofer with two high-performance speakers, the enclosure has been designed in such a way that the speakers do not interfere with each other, manufacturing it with two completely independent chambers. The enclosure is made from premium 18mm birch plywood, finished with a polyurea coating for added durability and weather protection.

Technical Data

| | |
|---------------------|--|
| Components | |
| • LF: | 2 x 18", 4" voice coil |
| Frequency range | 30 Hz - 120 Hz (-10 dB) |
| Frequency response | 35 Hz - 100 Hz (± 3dB) |
| Max SPL | 136 dB / 142 dB Peak |
| Coverage | Omnidirectional |
| Power | 4000 W Class D with switching power supply & PFC, 2 x 2000 W |
| DSP Processing | 96 KHz / 64 bit double-precision |
| Control | User control interface |
| Control connections | USB (DSP updating) / Ethernet (OCS) |
| Input | Analog |
| 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 | 18 mm Premium birch plywood |
| Dimensions | 605 x 1205 x 725 mm (H x W x D) |
| Weight | 98 Kg (216.05 lbs) |

Dimensional Drawing

