LAIA- 218SP

High-output passive subwoofer equipped with 2 x 18 “speakers (4” coil). 142 dB peak.

Key features

- Extraordinary high power output and sonic linearity
- Ergonomic design in premium birch plywood & finished in polyurea
- Stackable standard and/or cardioid configuration

Applications

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

General description & specifications

The LAIA-218SP is a high-output passive subwoofer engineered to provide a robust low-frequency extension for a wide variety of indoor and outdoor applications. Designed as the primary low-frequency reinforcement for the LAIA series line array systems, this dual 18-inch enclosure focuses on acoustic pressure, thermal stability, and long-term reliability in demanding environments.

The system incorporates two high-performance 18-inch transducers featuring 4-inch voice coils and a double silicone spider system with optimized flexibility. To ensure linear performance under high-stress conditions, the drivers include a ventilated voice coil space for reduced power compression and an aluminum demodulator ring to maintain extremely low distortion levels. Both sides of the cones are treated for water protection, ensuring consistent mechanical behavior in diverse weather conditions.

The LAIA-218SP enclosure is meticulously designed to prevent internal interference between the two high-output drivers. The cabinet is divided into two completely independent chambers, a structural choice that improves rigidity and ensures that each transducer operates within its own acoustic volume. This internal separation enhances transient response and prevents unwanted resonances, resulting in a more defined and punchy low-end reproduction.

Depending on the configuration, the system is amplified with the GTX Series, 4-channel, extremely high power level amplifiers with outstanding, high efficiency.

They come equipped with a quality FIR-DSP with high performance 96kHz DSP processing and a large IPS display with a touch panel user interface.

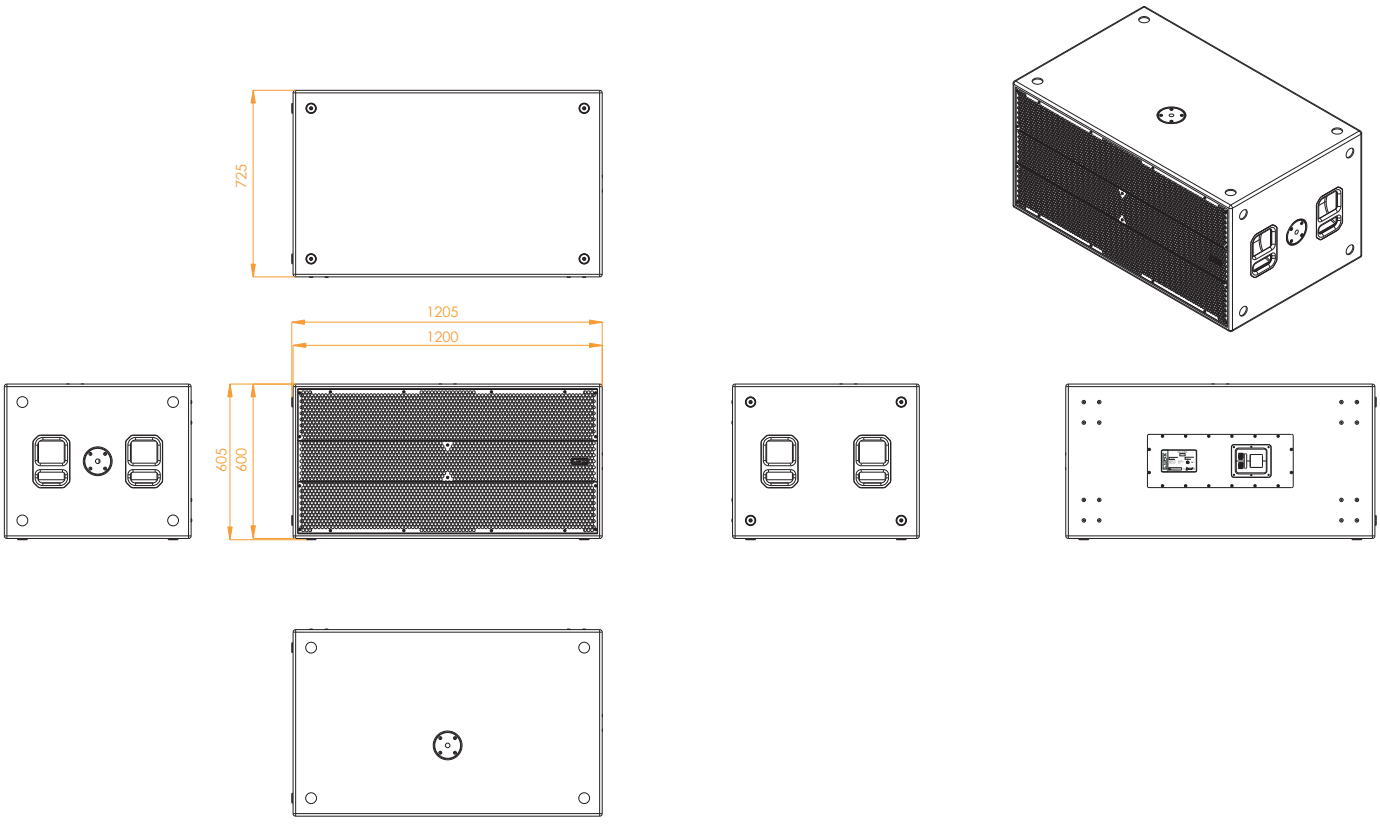
Advanced Audio Power Control Management has been implemented in the design of the GTX series. This enables the user to configure the division of power between the channels via the DSP enabling them to obtain maximum power through just one single channel if desired.

The enclosure is made from premium grade birch plywood and finished with a polyurea coating for longer durability & weather protection. It also has a number of dedicated accessories available.

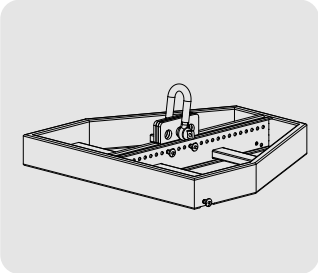
Technical Data

Components	
• LF:	2 x 18", 4" voice coil
Frequency range	30 Hz - 120 Hz (-10 dB)
Frequency response	35 Hz - 100 Hz (± 3dB)
Sensitivity	96 dB
Max SPL	136 dB / 142 dB Peak
Coverage	Omnidirectional
Power	3000 W (6000 W program, 12000 W peak)
Impedance	4 Ω
Configuration	Bass-reflex direct radiation enclosure
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	96 Kg (211.64 lbs)

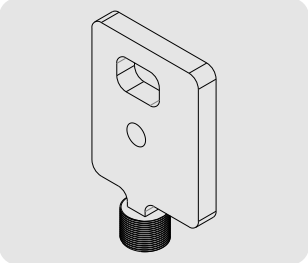
Dimensions



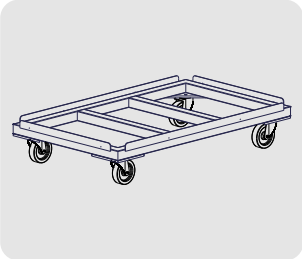
Hardware & accessories



• SV-LAIA28
Flying Frame and stack for LAIA-218SP

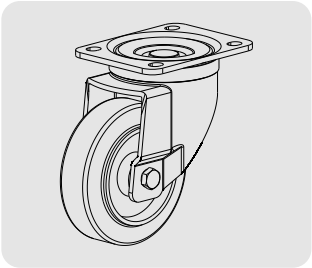


• ST-SVCLS/M20
Kit to connect SV-CLS flying frame and M20 plate.



• CA-LAIA218S
Transport dolly for up to 3 x LAIA-218SP.

• FD-LAIA218S, FD-LAIA218S/2 & FD-LAIA218S/3
Nylon Cover for 1, 2 or 3 LAIA-218SP



• GR-18WKIT
Four castors and bases for transportation of the LAIA-218S and LAIA-18S

About the rain hood

This rain hood is crafted to provide effective protection against regular rainfall. However, it is important to note that it is not engineered to serve as a waterproof barrier in extreme weather conditions. For severe storms or heavy downpours, we recommend additional protective gear to ensure complete waterproofing.