

Compact & extremely powerful, 3400 W subwoofer unit in direct radiation configuration. Dual 18" (4.5" voice coil) neodymium transducer.

Key features

- Extraordinary high power output and sonic linearity
- Front & rear audio and power connectors for cardioid applications
- Ergonomic design in premium birch plywood & finished in polyurea
- Stackable standard and/or cardioid configuration

Applications

- Touring & fixed installations
- Sports stadiums
- Theatres
- Low frequency complement for CLS-28P and CLS-212P
- Houses of worship
- Concert halls, auditoriums
- Club installations



General description & specifications

The CLS-218SP is a high-output, extremely powerful sub-bass element designed to be used in unison with the **coaxial** CLS-212P or CLS-28P line array module.

It uses two low distortion 18" (4.5" Split winding copper voice coil) custom speaker with double silicon spider with optimized compliance, ventilated voice coil for reduced power compression and aluminium demodulating ring for very low distortion.

Designed to be used either as a standard sub bass unit or easily configurable in cardioid configuration thanks to integrated front & rear power connectors enable a discreet installation without any cables visible at the front of the cluster.

The extra strong, especially designed internal wooden reinforcements reduce unwanted vibrations eliminating any noise, lowering distortion and delivering a clear sound. At the same time, the bass port is designed with a flare to eliminate any turbulence caused by sharp edges in the sound waves path.

The system is **amplified with the HPX-12000/DSP**, it is a 4 x 3000W @ 4Ω amplifier with PFC (Power Factor Correction) and offers exceptional efficiency with maximum system performance whilst significantly lowering power consumption. With Thermal,

short-circuit and overload protections the amplification delivers superior sonic performance. Coupled together with our latest generation, 64 bit/96KHz processor the system electronics are yet further guaranteed not only the utmost protection but the best sonic performance.

Designed in-house by Lynx Pro Audio engineers our **DSP** offers the most recent advances in digital processing such as FIR filters delivering a linear phase & frequency response. The latest 32 bit/96KHz AD/DA converters make the system one of the most advanced & innovative line arrays on the market resulting in superior sound quality.

Two Ethernet ports enable the system to be controlled with the OCS platform for easier alignment, monitoring and processing of the array and together with the new Rainbow 3D prediction software delivers a complete system design tool.

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:	Dual 18" Neodymium magnet transducer. 4.5" split winding copper voice coil. Waterproof cone treated on both sides. Aluminium demodulating ring for very low distortion. 1700 W (AES)
Frequency range	25 Hz - 250 Hz
Frequency response	30 Hz - 100 Hz (preset 100 Hz) / 28 Hz - 80 Hz (preset infra)
Coverage	Quasi omnidirectional
Max SPL / Peak	136 dB / 142 dB
Sensitive 1w/1m half space	101 dB
Power	3400 W / 6800 W / 13600 W peak
Impedance	4 Ω
Configuration	Bass-reflex direct radiation enclosure
Finish	Polyurea coating, high grade resistant paint
Material	15 mm / 18 mm Premium birch plywood
Dimensions	600 x 1200 x 770 mm (H x W x D)
Weight	81 Kg (178.5 lbs)

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

Dimensional Drawing

