

Compact & extremely powerful subwoofer unit in direct radiation configuration. 21" (4" voice coil) neodymium transducer.



## Key features

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

## Applications

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

## General description & specifications

The CLS-121SP is a high-output, extremely powerful sub-bass element designed to be used in unison with the **coaxial** CLS-212P line array module.

It uses one low distortion 21" (4" QUATTRO in/out copper voice coil) custom speaker with double silicon spider with optimized compliance, exclusive Malt Cross Technology cooling system 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.

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.

Optional Dante Networking (AES67) and AES3 Digital inputs are also available.

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:	21" Neodymium magnet transducer. 4" quattro in/out copper voice coil, Waterproof cone treated on both sides. Malt Cross Technology cooling system. Aluminium demodulating ring for very low distortion. 1600 W (AES)
Frequency range	30 Hz - 90 Hz (preset 90 Hz)
Coverage	Quasi omnidirectional
Max SPL / Peak	131 dB / 137 dB
Sensitive 1w/1m half space	99 dB
Configuration	Bass-reflex direct radiation enclosure
Impedance	8 $\Omega$
Finish	Polyurea coating, high grade resistant paint
Material	15 mm /18 mm Premium birch plywood
Dimensions	608 x 800 x 778 mm (H x W x D) / with pins 814.5 mm (W)
Weight	64 Kg (141 lbs)

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

## Dimensional Drawing

