CLA4611
High power Column Line Array module

PROPHON
SOUND SYSTEMS

The CLA4611 was developed due to a demand in a powerful column speaker that can be used both for installations and for portable use. with long-throw, controled vertical dispersion pattern, and a wide horisontal dispersion pattern.

Designed for high-end Installation in:
churches | conference centres | theatres
live stages | theme parks | leisure fascilities
auditoriums | consert houses | nightclubs
sports fascilities | stadiums | malls | schools

Perfect for the rental, PA and event industry, for bands, DJ´s and other musicians "on-the-road" with the need for a portable sound system that are easy to set-up, easy to use, with a discreet look and powerful output.

For extended low-frequency responce use the specially designed CLA-subwoofer, avaliable bi-amplified or self-powered.
The self-powered subwoofer can also supply 2 pcs of the CLA4611 with DSP-processed amplification

CLA4611A is the self-powered active version, developed mostly for the rental, event and live industry, with truly remarkable features, housing a Powersoft amplifier module with a powerful built-in DSP processor and 1200W RMS amplifier

TECHNICAL SPECIFICATIONS CLA4611

Components	4 x 6,5" seemless linear arrayed. + 1 x 1" driver mounted coaxially on horn
Construction	Closed cabinet, two-way with passive crossover, linear arrayed column
Power handling RMS	650W
Power handling cont.	1300W
Input impedance	8 ohm
Max SPL continous (2Pi)	132dB (max eff. @ 1m,)
Max SPL calculated peak (2Pi) (4 x cont. eff. @ 1m.)	138dB 144 dB (in an array with 4 modules)
Sensitivity open space (1Pi)	98 dB (1W/1m.)
Seniitivity , half space (2Pi)	101 dB (1W/1m.)
Dispersion pattern horizontal	Array dependant, typically 120° (-6dB) in an array with at least 2 modules.
Dispersion pattern vertical	Array dependant, typically 20° (-6dB) in an array with at least 2 modules.
Weight	10,25 kg.
Dimensions	H680 x W170 x D170
Connectors	2 x Speakon NL4MP 1+/1-
Utilities	Installation wall- & ceiling- mount brackets Flightware for flying and installing Connector bracket for connecting in array Speaker stand top hat for mounting on stand
Recommended EQ settings for passive version using non-prophon presets in DSP´s and DSP-amplifiers from other brands. (Constant Q, Parametric EQ)	1) PEQ @ 646Hz, Gain -1,25 dB, 4 oct. 2) PEQ @ 655Hz, Gain +4,75 dB, 0,75 oct 3) PEQ @ 1193Hz, Gain -3,14dB, 0,46 oct. 4) PEQ @ 2204Hz, Gain -5 dB, 0,4 oct. 5) PEQ @ 3153Hz, Gain +9 dB, 0,5 oct 6) PEQ @ 5890Hz, Gain -3,45 dB, 0,6 oct.

Avaliable in white or any RAL colour upon request

When using the CLA4611 passive, bi-amplified with external conventional 19" amplifiers, either as portable sound system or when installing in a fixed installation, the class-H, switched mode, light weight P3000DSP takes care of everything for you! Numerous presets are avaliable in the built in DSP-processors, depending on setup, configuration and combination (CLA4611 can be installed up to 8 pcs. in a line arrayed column, for extreme control, and linear coupling down to below 100 Hz)
P3000DSP is a 2 channel amplifier with 2 x 1500W in 2 ohms, with 6 individual high-power DSP proces-sors (two on each input, two on each speakon output, and two processors assigned to Neutrik XLR output for controling the subwoofer amplifier P10000 (2 x 5000W into 2 ohm) or a P3000 amplifier (same as P3000DSP but without DSP-processors)

The specially designed 2100W, DSP-controled class-D amplifier module, housed in the back of the self-powered CLA subwoofer, can drive two CLA4611 speakers, using the speakon output. With seperate volume controls and 4 built-in DSP presets, depending on configuration, the combined active column arrayed sound system delivers an astounding SPL, with long-throw and a controled dispersion pattern. Wether using in live applications with a band, recorded music with DJ´s, or for speach, the CLA4611 rig will amaze you!