

CLA835

Column Line Array

PROPHON
SOUND SYSTEMS



The CLA835 was developed due to a demand in a compact 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, with fullfrequency responce down to 100Hz.

Designed for high-end Installation in:
churches | conference centres | theatres
live stages | theme parks | leisure fascilities
auditoriums | consert houses | 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, avaiable bi-amplified or self-powered.
The self-powered subwoofer can also supply up to four pcs of the CLA835 with DSP-processed amplification, this system is called A11





CLA835 with the CLA subwoofer in active portable systems called A11 4 systems are available: A11-1, A11-2, A11-3 and A11-4 (picture)

TECHNICAL SPECIFICATIONS CLA835

Components	8 x 3,5" neodymium seamless linear arrayed drivers
Construction	Closed cabinet, fullrange
Power handling RMS	360W
Power handling cont.	720W
Input impedance	8 ohm
Max SPL continuous (2Pi)	127dB (max eff. @ 1m.)
Sensitivity open space (1Pi)	97 dB (1W/1m.)
Sensitivity , half space (2Pi)	100 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	5 kg.
Dimensions	H945x W110 x D110
Connectors	2 x Speakon NL4MP 1+/1- in / 2+/2- link Phoenix "Euroblock" 4-pole input/link
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



The specially designed DSP-controlled class-D amplifier module, housed in the back of the self-powered CLA subwoofer, with 1000W amplifier power driving 2 subwoofers in mono, and 2 x 500W amplifiers in stereo driving up to 4 pcs. of CLA835. With 16 built-in DSP presets to select from, depending on configuration.

The combined active column arrayed sound system with subwoofers delivers an astounding SPL, with long-throw and a controlled dispersion pattern. Whether using in live applications with a band, recorded music with DJ's, or for speech, the CLA835 rig A11 will amaze you!



When using the CLA835 passive, bi-amplified with external conventional 19" DSP system amplifiers, either as portable sound system or when installing in a fixed installation, the class-D, switched mode, light weight 19" systems amplifier P46DSP takes care of everything for you!

Numerous presets are available in the built in DSP-processors, depending on setup, configuration and combination (CLA835 can be installed up to 8 pcs. in a line arrayed column, for extreme control, and linear coupling down to below 100 Hz)

P46DSP is a 4 channel amplifier with 4 x 500W in 4 ohms, (4x600W in 2 ohm load) with 8 individual high-power DSP processors (four on each input and four on each output) with an abundance of features such as delay from 0mS to 1000mS, limiter, EQ points for room matching, crossovers on all output High-pass and low pass 12dB/oct. to 48dB / oct..



Available in white or any RAL colour upon request

