



Vertus

Line Array Systems

Professional Line Array

VERTUS CLA was created with the thought of **integrating professional line array technology in an extremely compact and elegant speaker column.**

Compared to the traditional two-way speakers, the **sound is distributed much more evenly throughout the audience**, both in outdoor and in indoor environments acoustically difficult or reverberating as well. The CLA cylindrical wave front boasts the pleasant effect of present and precise forwardly projected sound. Even acoustic feedback towards microphones is reduced.

VERTUS CLA is a light and compact modular line array system created for both live and fixed installations, comprised by two products:

- **CLA 604a:** bi-amp two-way active column speakers **400 + 100W RMS**
- **CLA 208Sa:** active subwoofer **600W RMS**

CLA604a is an extruded aluminum column speaker fitted with **6 x 4" custom woofers and 4 x 1" dome tweeters**, each coupled to a wave guide. The internal **Class D amplification**, 400W for woofers and 100W for tweeters with switch mode power supply

and **DSP processor with 4 equalization presets** provide unexpected dynamics in a system of these dimensions.

The rapid latching system with pins allows for the expansion of the system, doubling-up CLA608a modules to form a unified column with an absolute and coherent source integration and increase of SPL and low-frequency directivity control.

CLA 208Sa is a 2 x 8" active subwoofer in bass-reflex design and birch ply enclosure. The internal Class D amplifier delivers 600W and is matched with a switch mode power supply and a DSP processor with filtering functions, equalization and speaker protection. **Created with the idea of extending the CLA608a's low frequency performance in live applications**, the CLA208Sa serves as the base support for the CLA608a column speaker which can either be frontally mounted to the sub, as well as fixed upon the optional stand through the M20 socket on the upside of the sub. The CLA208Sa subwoofers are modular as well, and they can be stacked to enlarge and increase the maximum SPL.





CLA system features:

- **High-level sound quality** from 50Hz to 20kHz expressly developed for live performance
- **Long distance sound projection** and better SPL distribution towards the audience
- **Great and dynamic power performance** thanks to tri-amplification system
- **Lightweight and easy to carry**
- **Design and elegance** for an easy integration even in the most demanding installations
- **Very compact dimensions** enable the listener to concentrate on sound and not on speakers!
- **High horizontal dispersion**

Vertus CLA 604A
400+100W

Vertus CLA 208SA
600W



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The technology and quality of a professional line array in a compact column

The internal XLR signal link system and Neutrik POWERCONN power supply on both the sub and the satellite, **allows for hiding wires and cables from open sight, preserving the system's clean aesthetics.**

VERTUS CLA is a true professional line array system that can satisfy the musician looking for a compact PA solution, easily to carry, modular, ready to use in just minutes with no-compromise quality. It is **capable of being integrated into any environment or installation requiring high-quality sound and controlled directional characteristics.**





Vertus CLA 604A

Column Active Line Array
400W + 100W RMS - 125dB SPL

- 2-way bi-amplified Line Array Column
- **6 x 4"** (100mm) custom woofer with 1" (25 mm) voice coil
- **4 x 1"** (25mm) neodymium dome tweeter on waveguide
- 130Hz to 20KHz frequency response
- **Class D 400Wrms** amplifier for **LF** and **100Wrms** for **HF** with switch mode power supply
- **DSP processor** with 4 available equalization presets
- Control panel with volume, presets, HP filter, Mic-Line, status LED
- XLR input and Neutrik POWERCONN supply input at the lower part of the column; XLR link and Neutrik POWERCONN loop output at the higher part, in order to hide each connection cable
- **100°H x 20°V dispersion**
- **Extruded-aluminum powder-coated cabinets.** Superior as well as inferior latching system, enables the extension of the length of the line array adding CLA604A modules for a greater modularity of the system
- Possibility to angle the columns of +/- 30° on a horizontal plane
- Ideal for both live applications, assisted by the CLA 208SA active subwoofer, as well as for fixed installation
- **Easily expandable for a total power of 6600W** (stereo system composed of 3 x CLA608A and 3 x CLA208SA)
- Very light and easy to carry





Vertus CLA 208SA

Processed Active Subwoofer
600W RMS - 129dB SPL

- Active subwoofer in bass-reflex design
- **2 x 8"** (200mm) custom neodymium, **high-excursion woofer** with 2" (50 mm) voice coil
- 50Hz to 150Hz frequency response
- **Class D 600Wrms** amplifier with switch mode power supply
- **DSP processor** with 4 available presets
- Control panel with combo XLR/Jack stereo input and link, XLR Hi-pass out stereo, volume, presets, 0°-180° phase switch, status LED
- **Neutrik POWERCONN** input and link
- **15mm birch plywood enclosure** with anti-scratch paint finish, stackable
- M20 stand adapter, 2 integrated handles, front hardware to sustain CLA604A modules
- Suitable for low frequency extension and reinforcement of the CLA604A array, especially for live performance





Model		CLA604a	CLA208Sa
Configuration	way	2	1
Built-in amplifier cont. rms LF/HF	W	350/80	400
Built-in amplifier max. rms LF/HF	W	400/100	600
Built-in amplifier max. peak LF/HF	W	800/200	1200
Frequency response	@-6dB	130Hz - 20KHz	50Hz - 150Hz
Low frequency woofer	inch	6 x 4" - 1" coil	2 x 8" - 2" coil
High frequency driver	inch	4 x 1" - 1" coil	-
Maximum SPL cont/peak	dB	122 / 125	125 / 129 half space
Dispersion	H x V	100° x 20°	Omnidirectional
Input impedance	kOhm	22	22
Crossover frequency	kHz	2.5	0.15
AC Power requirements	VA	450	450
Input connectors		XLR with loop	stereo XLR with loop/HP out
Power cord	m/inch	5 / 16.4	5 / 16.4
Net dimensions (WxHxD)	mm inch	130x841x130 5.12x33.1x5.12	550x270x500 21.7x10.6x19.7
Net weight	kg/lb	9 / 19.84	20 / 44.09
Transport dimensions (WxHxD)	mm inch	220x930x220 8.66x36.61x8.66	690x370x625 27.16x14.56x24.60
Transport weight	kg/lb	11.5 / 25.35	23.5 / 51.80



VT-W604



VT-S604