

FIREBIRD

CLA 1000 & CLA LF2000

Composite Line Array System



CLA 1000
Composite Line Array
(Shown without grille)



CLA LF2000
Sub Bass System
(Shown without grille)

acoustic technologies

The CLA 1000 Composite Line Array and the CLA LF2000 Sub Bass Enclosure combine to create the FIREBIRD sound reinforcement system. The FIREBIRD System is the ideal solution for compact touring or in-house systems offering highly advanced line array technology in a compact and easy to use format. A single stack a side system provides excellent coverage and level for audiences up to 1000 people.

The CLA 1000 is a Bass/Mid/High composite line array cabinet utilizing well established line array principals to achieve exceptional frequency response, pattern control and power handling. The Bass and Mid Sections feature 8x 8" Neodymium Transducers with the critical High Frequencies reproduced by an 8 element ISOPHASIC HF Aperture. The CLA 1000's dispersion pattern is 150° Horizontal by 10° Vertical providing maximum audience coverage with unparalleled intelligibility.

The dual 18" transducer CLA LF2000 Sub Bass System is tailored to perfectly compliment the CLA 1000. FIREBIRD Systems can use two CLA LF2000 Sub Bass Cabinets per CLA 1000 to provide additional low end reinforcement. Acoustic Technologies provides Factory Recommended settings for the all important loudspeaker management system. This guarantees optimal system performance, power handling and reliability.

The cabinets are finished in black AcoustiCoate polymer with powder coated grilles. Each cabinet has 4x castors for ease of transport. The cabinets are fitted with dual multipin Neutrik NL8MP connectors allowing single cable speaker runs from the amplifier racks.

CLA 1000 & CLA LF2000 EXCELLENCE IN AUDIO

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FEATURES

- **Line Array Dispersion and Pattern Control**
- **Accurate Full Range Reproduction**
- **High Efficiency**
- **Compact High Output System**
- **3 Year Warranty**

CLA 1000 SPECIFICATIONS

Transducer Complement		8 x 8" Bass-Mid Transducer 8 x 1" H.F. ISOPHASIC Aperture
Frequency Response		50 Hz - 19 kHz \pm 3 dB
Sensitivity		100 dB @ 1 watt, 1 metre
Maximum Input	Continuous Program	1,920 Watts RMS 7,040 Watts Program
Maximum SPL (Calculated)	Continuous Program	129 dB @ 1 metre 135 dB @ 1 metre
High Frequency Dispersion		150° Horizontal x 10° Vertical
Nominal Impedance	Bass Bass-Mid Highs	4 Ohms 4 Ohms 4 Ohms
Physical Size		Height 880mm, Width 560mm Depth 610mm (including castors)
Nett Weight		72.5 Kg
Connectors		2 x Neutrik NL8MP Speakon Connectors
Hardware		4x Handgrips 4x Castors Cabinet Fly Track Hardware Cabinet Locating and Safety Attach Points for safe cabinet ground stacking
Cabinet Finish		AcoustiCoate Black Elastomer Finish.
Grille Finish		Black Powder Coat Paint Finish.

CLA LF2000 SPECIFICATIONS

Transducer Complement		2 x 18" Sub Bass Transducers
Frequency Response		35 Hz - 200 Hz \pm 3 dB
Sensitivity		98 dB @ 1 watt, 1 metre
Maximum Input	Continuous Program	2,000 Watts RMS 4,000 Watts Program
Maximum SPL (Calculated)	Continuous Program	131 dB @ 1 metre 134 dB @ 1 metre
Nominal Impedance		4 Ohms
Physical Size		Height 1105mm, Width 560mm, Depth 770m (Including castors)
Nett Shipping Weight		75.3 Kgs (Varies slightly with options)
Connectors		2 x Neutrik NL8MP Speakon Connectors
Hardware		6x Handgrips 4x Castors Cabinet Locating and Safety Attach Points for safe cabinet ground stacking
Cabinet Finish		AcoustiCoate Black Elastomer Finish.
Grille Finish		Black Powder Coat Paint Finish.

The CLA 1000 and CLA LF2000 enclosures are constructed of high quality Finnish Birch Ply.

The transducers are protected by a rugged steel grille.

Acoustically transparent PVC foam is bonded to the mesh providing a durable, visually appealing finish.

Sensitivity, Power Handling and Frequency Response measurements are specified using the Factory Recommended Loudspeaker Management System Settings.

Sensitivity, Maximum Power and SPL measurements are conducted in accordance with the AES 24 Hour Pink Noise Standard.

Acoustic Technologies reserve the right to alter or amend the CLA 1000 and the CLA LF2000, without prior warning in the interests of product improvement.

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APPLICATIONS

- **Live Music Presentations**
- **Dance Clubs**
- **Outdoor Sporting Events**
- **Houses of Worship**
- **Corporate Presentations**
- **Concert Sound**
- **Festivals**
- **Public Events**



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