

High Output, self powered (class D switch mode power supply with PFC), constant curvature line array element. 12" LF speaker next to a custom Multidriver waveguide system. 128 dB SPL.



Key features

- Class D Powered
- Integrated Digital Processing
- Internal temperature control
- Electronic protection
- FIR linear phase filtering
- Online monitoring available
- Two way active system

Applications

- Live events
- Houses of worship
- Fixed installations
- Clubs
- Theatres
- Touring

General description & specifications

The CXA-12 enclosure is a constant curvature line array element designed for multiple configurations, with a maximum of 4 enclosures.

The CXA-12 uses one 12" LF/MF speaker next to a custom Multidriver waveguide system. The enclosure is self-powered with a total of 1400W (Class D, witch mode power supply), with PFC system and DSP processor with linear phase FIR filters.

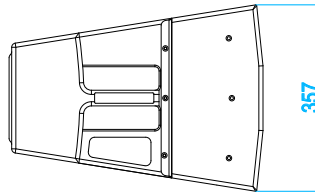
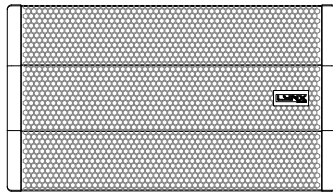
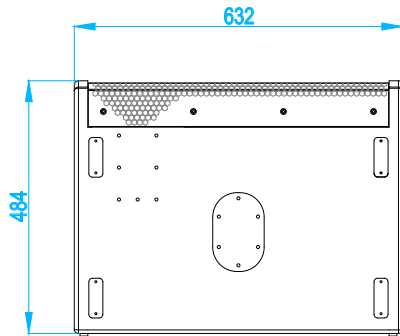
It is ideal for a wide variety of applications, its design allows you to configure installations with symmetrical dispersion or fly the boxes vertically. The enclosure has a complete range of accessories that facilitate its use both in touring as in fixed installations.

For low frequency support the CXA-18S subwoofer is also available, either to be flown or stacked with the CXA-12 without the need for any rigging accesories.


Technical Data

Components	
• LF:	LF: 12", 2.5" voice coil, Malt Cross Cooling System
• HF:	HF: custom Multidriver system with wave guide, 1.4" aluminium voice coil with titanium diaphragm
Frequency range	60 Hz - 20 Hz (-10dB)
Frequency response	70 Hz - 18 KHz (± 3dB)
Max SPL	128 dB
Coverage angle	100° H x 18° V
Power	1400 W Class D with switching power supply & PFC LF amplifier: 2 x 800 W HF amplifier: 1 x 600 W
Processing	Internal Lynx Processor DSPB-FL. 96 KHz / 64 bit double-precision, DSP with FIR filter linear phase
Control	User control interface with 2.8" IPS screen
Control connections	Ethernet (OCS) / USB (DSP programming)
Input	Analog / AES3 (optional)
AC Power	90 - 264V. 50/60 Hz with PFC
AC Connectors	16A Neutrik powercon true1 with looping output
Finish	Polyurea coating, high grade resistant paint
Material	15 mm Premium birch plywood
Dimensions	357 x 632 x 484 mm (H x W x D)
Weight	31 Kg (68 lbs)

Dimensional Drawing



Accessories

	BALL-PSR6	Ball pin with thread for CXA-12 and CXA-18S cabinets
	SV-CXA	Flying frame for the CXA-12 with a capacity for rigging of up to 6 cabinets
	FD-1CXA12NL	Rain cover for the back panel of the CXA-12
	FC-3CXA12	Flight case to transport three CXA-12
	UBR-CXA12	Ceiling Bracket for CXA-12
	ST-CXA12	0° stack adaptor for either the CXA-12 or the CXA-18S together with CXA-12