GXR-LA10A GXR SERIES DATASHEET

High Output, self powered (class D switch mode power supply with PFC), line array element. Consists of a 2 x 10" (2" voice coil) transducer with 1.4" exit throat driver with a waveguide system delivering 100°H x 10°V precise coverage. DSP (FIR technology) controlled with 1400W amplification, 131 dB SPL.

Key features

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

Applications

- Outdoor events
- Houses of worship
- Large stadiums / arenas
- Auditoriums
- Theatres
- Interior live PA

General description & specifications

The GXR-LA10A is the ideal solution for install projects and live events where a powerful but compact line array is required.

The GXR-LA10A is a self-powered (Class D), two-way enclosure that delivers high power levels from a very compact format. It uses two 10" (2" coil) speakers for the Low/Mid frequencies. For the high frequencies it uses a 1.4" output compression driver coupled to a waveguide offering 100° H x 10° V coverage.

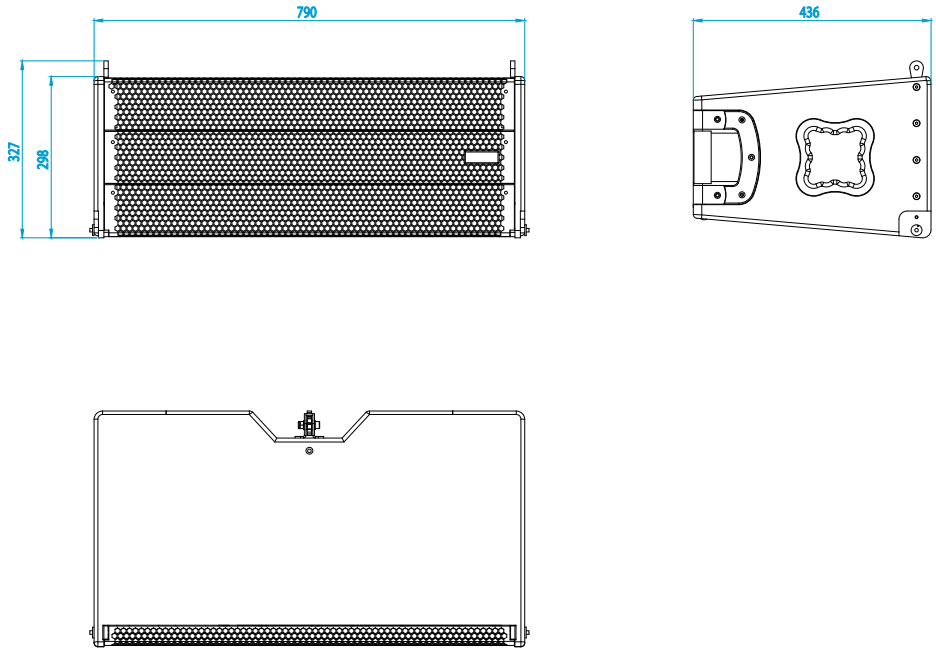
The system is very easy to use and can be controlled without the need for any external amps. To extend the low frequency response there are 2 options. The GXR-D15A is designed to be flown or stacked in perfect combination with the GXR-LA10A and when extreme low frequencies are required, the GXR-D18A is recommended.

The GXR-LA10A has a selection of rigging hardware & accessories available: Flying frame, transport dolly, nylon protection cover, rain hood, etc.

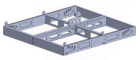
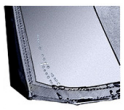
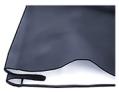
Technical Data

Components	
• LF:	LF: 10", 2" voice coil, Malt Cross Cooling System
• HF:	HF: 1.4"exit throat, 3" voice coil with titanium diaphragm
Frequency range	60 Hz - 20 KHz (-10 dB)
Frequency response	68 Hz - 18 KHz (± 3dB)
Max SPL	135 dB
Coverage angle	100° H x 10 ° V
Power	1400W Class D with switching power supply & PFC LF amplifier: 1 x 800 W RMS, 1600 W peak HF amplifier: 1 x 600 W RMS, 1200 W peak
Processing	48 KHz / 56 bit double precision DSP with FIR filters
Control	User control interface with LCD
Control connections	USB (DSP programming) Ethernet (OCS) optional
AC power	90 – 264V. 50/60 Hz with PFC
AC connections	16A Neutrik powerCon TRUE1 with looping output
Finish	Polyurea coating, high grade resistant paint
Material	15 mm Premium birch plywood
Dimensions	298 x 790 x 436 mm (H x W x D)
Weight	31 Kg (68.2 lbs)

Dimensional Drawing



Accessories

	SV-GXR	Flying frame and stacking system for GXR-LA10A/GXR-D15A You can use this frame for ground stack or rigging.
	FD-GXRLA10	Flight case for GXR-LA10A
	CA-GXRLA10	Transport dolly for GXR-LA10A
	FD-GXRLA10NL	Rain cover for the back panel of the GXR-LA10A
	FD-GXRLA10	Nylon protection cover for either 4 GXR-LA10A cabinets
	GXR-GSKIT	Ground stack kit to stack GXR-LA10A directly or together with the GXR-D18S

Amplification & DSP

Bi-amplified Class D with switching power supply and PFC (Power Factor Correction). With PFC the power supply regulates itself when AC mains change, so the amp power output will not change with mains swinging. The amplification far exceeds the transducers needs thus resulting in high output, high damping factor and extremely low levels of distortion.

This system is also very environmentally friendly with a reduction of approximately 40% of current draw. Includes two power modules, one (800W) for the speakers and other (600W) for the HF drivers.