



LARA



DESCRIPTION

LARA® is a 4-way symmetrical, cardioid, self-amplified line array system with 6000W_{rms} power. LARA® has a linear dB performance of 146 dB SPL MAX and a wide dynamic range making it an ideal system for large events. Thanks to the cardioid design, we achieve a rear attenuation of -15 dB in the range of 63 Hz - 200 Hz.

LARA® incorporates 2 x 12" woofers with a 4" voice coil plus another 2 x 8" in cardioid configuration; for the midrange, it uses another 2 x 8" speakers with 2.5" voice coils. The high-frequency section is made up of two DAS M-78N compression drivers, with 3" voice coils and a 100° horizontal dispersion waveguide. All the elements have been designed and purpose-built to maximize the system's efficiency.

The LARA® class D amplifier integrates a switching power supply with power factor correction (PFC), ensuring maximum performance and efficiency regardless of the mains voltage. Each amplifier provides 6000W_{rms} divided into eight channels, 3 of them in bridge mode to feed the 2 x 12" and the two compression drivers. The remaining two channels feed the front 2 x 8" and rear 2 x 8" transducers.

The 3-point rigging system works for both LARA® and LARA® SUB, allowing us to hang arrays of up to 24 LARA units and 16 LARA® SUB units. The FSS™ (Fast Set Splay) angulation system allows angles to be adjusted in steps of 1°, from 0° to 7° from the stacked position, significantly reducing assembly time.

KEY FEATURES

- Self-powered cardioid Line array
- 8 channel amplifier, Class D, 6000W_{rms}
- Controlled horizontal dispersion up to 100 Hz.
- Cardioid attenuation of -15dB (63 Hz - 200 Hz)
- IP control and monitoring through ALMA™
- FIR processing and digital management via DASaim™

APPLICATIONS

- Outdoor festivals and live concerts
- Theatres, auditoria and performing arts centers
- Large live music clubs
- Live sound touring/Rental services

SPECIFICATIONS

Performance

Frequency Range (-10 dB)	63 Hz - 17 kHz
Horizontal Coverage (-6 dB)	100°
Vertical Coverage	Splay Dependent
Maximum Peak SPL at 1 m *	146 dB

* Measured Maximum Linear SPL

Electronics and Connectors

Nominal Amplifier Power (continuous)	6000 W
Input Type	Balanced - AES/EBU
Input Impedance	20 kohms
Input Sensitivity	6.2 V (+18 dBu)
Audio Signal Input Connector	1 x Female XLR
Audio Signal Loop Thru Connector	1 x Male XLR
Audio/Data Input Connector	etherCON
Control	ALMA
Audio + Data Loop Thru Connector	etherCON
AC Output Connector	powerCON TRUE1
Current Draw 230 V / 115 V	3.75 A / 7.5 A

Enclosure

Enclosure Construction	Birch Plywood
Enclosure Geometry	Trapezoidal 7°
Rigging	Captive Rigging System
Finish	ISO-flex Paint



Color	Black
IP Rating	IP43
Dimensions (H x W x D)	355 x 1.170 x 645 mm 14,0 x 46,0 x 25,4 in
Net Weight	86,0 kg (189,6 lb)

Components

LF Driver	12GXNC
MF Driver	8MXN
LF Cardioid Driver	8CXN
HF Driver	M-78N

ORDERING INFORMATION

Model	Description	P/N
System		
LARA		10420500

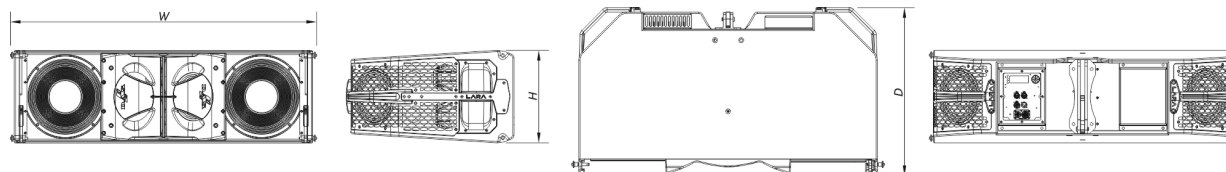
Replacement Parts

12GXNC	Cone Transducer	20208987
8CXN	Cone Transducer	20208988
8MXN	Cone Transducer	20208989
GM-12GX	Recone Kit	20208065
GM-8MX	Recone Kit	20208539
GM-M75N	Diaphragm	20205080
LITEMOD4HC	Amplifier	30007464
M-78N	Compression Driver	20208860

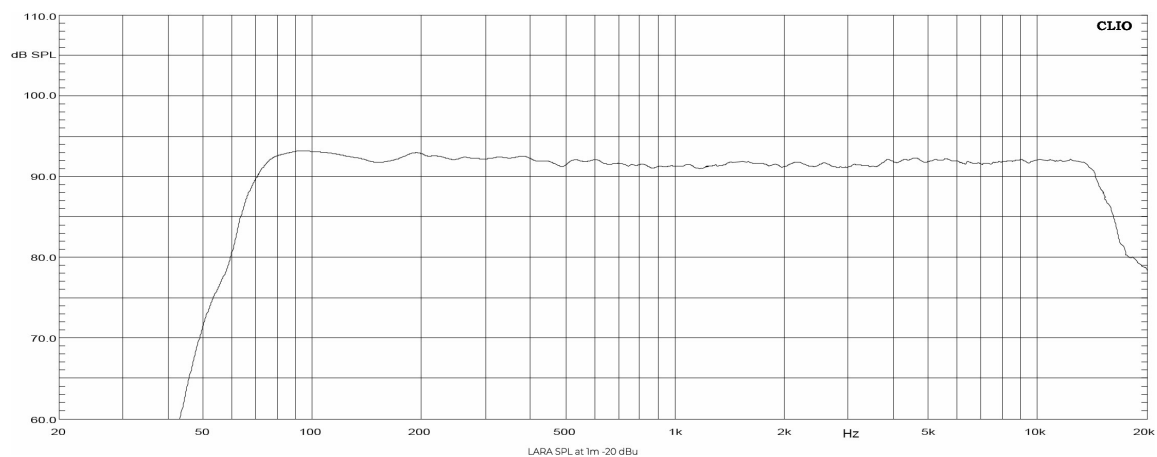
Accessories

AX-LARA	Rigging Accessories	10106001
AX-PULL-LARA	Rigging Accessories	10106002
EC-09	Electronic Accessories	20502110
EC-20	Electronic Accessories	20502130
ECPK-20	Electronic Accessories	20502180
FRAME-AX-LARA	Rigging Accessories	10106004
FUN-4-LARA	Transport Accessories	10103787
JP-LARA	Rigging Accessories	10102959
PICK-UP-AX-LARA	Rigging Accessories	10106005
PL-LARA	Transport Accessories	10113300
PLINK1-09	Electronic Accessories	20502150
SPK18-20	Electronic Accessories	30007510
SPK18-6TRUE1	Electronic Accessories	30007511
TOP-PL-LARA	Transport Accessories	10113301
V-AX-LARA	Rigging Accessories	10106003

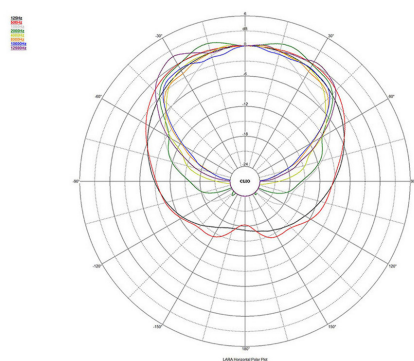
DIMENSIONS



PERFORMANCE DATA



Frequency response



Horizontal polar data

