

ARA

S E R I E S



SARA-100

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 15/11/2024



SOUND WITH SOUL

KEY FEATURES

- Powered compact line array system
- 100° horizontal coverage
- Symmetric V-shaped configuration
- 4-channel, 3000 W_{continuous} Class D amplifier
- FIR processing and digital steering via DASaim™
- ALMA™ remote monitoring and control over IP
- Fast Set Splay FSS™ for angle setting while stacked

DESCRIPTION

SARA-100 is a compact line array system with a symmetrical design and 3000Wrms of power, SARA delivers a linear performance of 138 dB SPL MAX and a wide dynamic range, making it perfect for events and medium-sized installations where sound quality and uniformity are a priority.

SARA features two custom designed 8" loudspeakers for mid and low frequencies and a compression driver for high frequencies with a 100° horizontal dispersion waveguide.

SARA's Class D amplifier integrates a switch-mode power supply with power factor correction (PFC), ensuring optimum performance and efficiency regardless of the mains voltage. The amplifier provides 3000Wrms of power, divided into 4 channels, two of which are used in bridge mode to power the compression driver, and the remaining two are used to power the 8" front speakers.

The three-point rigging system can be used for both SARA and SARA-SUB, allowing arrays of up to 24 SARA and 16 SARA-SUB units to be hung. In addition, using the JP-SARA accessory, up to 12 units of SARA can be hung below the SARA-SUB. The FSS™ (Fast Set Splay) system allows angles to be adjusted in 1° steps from the stacked position, significantly reducing assembly time.

SARA-100



SPECIFICATIONS

Performance

Frequency Range (-10 dB)	60 Hz - 18 kHz
Horizontal Coverage (-6 dB)	100°
Vertical Coverage	Splay Dependent
Maximum Linear SPL ¹	138 dB
Maximum SPL ²	142 dB

1. Measured Maximum Linear SPL at 1m according to AES75 standard using 18dB crest factor M-Noise.

2. Measured Maximum SPL at 1m using burst noise.

Electronics and Connectors

Nominal Amplifier Power (continuous)	3000 W
Input Type	Balanced Analog
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	4 A/8 A
Sampling Rate	96kHz

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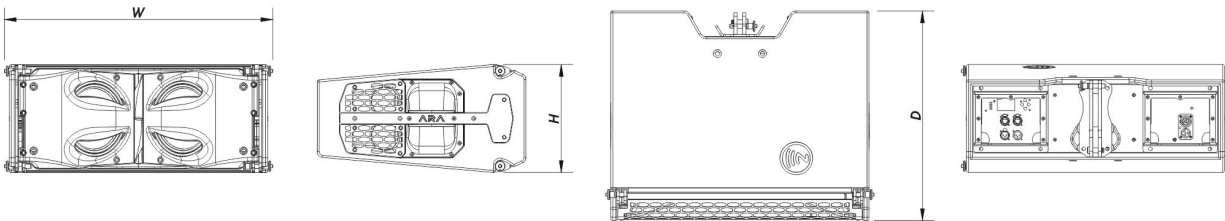
Enclosure

Enclosure Construction	Birch Plywood
Enclosure Geometry	Trapezoidal 10°
Rigging	Captive Rigging System
Finish	ISO-flex Paint
Color	Black
IP Rating	IP43
Dimensions (H x W x D)	265 x 655 x 515 mm 10,5 x 26,0 x 20,3 in
Net Weight	34,0 kg (75,0 lb)

Components

MF Driver	8GXN4
HF Driver	M-78N

DIMENSIONS



ORDERING INFORMATION

Model	Description	P/N
System		

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10420510

Replacement Parts

8GXN4	Cone Transducer	20208997
GM-M75N	Diaphragm	20205080
M-78N	Compression Driver	20208860

Accessories

AX-PULL-SARA	Rigging Accessories	10106106
AX-SARA	Rigging Accessories	10106101
AX-SARA-LT	Rigging Accessories	10106107
AXS-SARA	Installation & Stacking Acc.	10106108
EC-09	Electronic Accessories	20502110
EC-20	Electronic Accessories	20502130
EC-30	Electronic Accessories	20502140
ECPK-20	Electronic Accessories	20502180
FRAME-AX-SARA	Rigging Accessories	10106104
FUN-4-SARA	Transport Accessories	10103792
GS-PL-SARA	Transport Accessories	10113332
JP-SARA	Rigging Accessories	10102958
PICKUP-AX-SARA	Rigging Accessories	10106105
PL-SARA	Transport Accessories	10113330
PLINK1-09	Electronic Accessories	20502150
RACK-ARA-208	Ara Series	20503162

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RACK-ARA-230

Ara Series

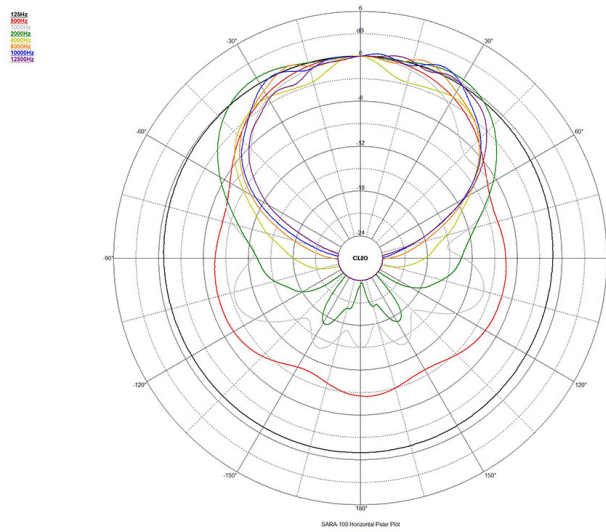
20503160

TOP-PL-SARA

Transport Accessories

10113331

PERFORMANCE DATA



Horizontal Polar Plot

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