

ARA

S E R I E S



SARA-SUB

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 15/10/2024



SOUND WITH SOUL

KEY FEATURES

- Compact cardioid powered subwoofer
- 18" 18UXN front neodymium transducer with 4" VC
- 15" 15FWN rear neodymium transducer with 3" VC
- 4-channel, 3000 Wrms Class D amplifier
- SARA rigging bumper-compatible flying hardware

DESCRIPTION

SARA-SUB is a high-fidelity subwoofer that offers an accurate and powerful bass response thanks to its cardioid design. The system incorporates a DAS 18UXN neodymium loudspeaker with a 4" voice coil for excellent low-frequency reproduction. In addition, a rear 15FWN neodymium 3" voice coil speaker creates the necessary cardioid dispersion pattern to compensate for unwanted energy in the rear.

The SARA-SUB's built-in class D amplifier has 4 channels in bridge mode for each of the speakers. The switch-mode power supply has a correction factor, allowing for greater efficiency and reliability under all operating conditions. The built-in DSP optimizes the signal parameters for the loudspeakers and allows for 14 dB of rear power compensation in the 40 Hz - 80 Hz range.

The enclosure design meets the strict DAS standards for the use of high-quality materials, such as birch plywood and ISO-flex™ exterior protection. In addition, the rigging system allows the SARA to be flown underneath the SARA-SUB, using the JP-SARA. The metal grids incorporate acoustically transparent, moisture-repellent fabric. Recessed handles on the sides of the enclosure facilitate transport and handling.

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SPECIFICATIONS

Performance

Frequency Range (-10 dB)	35 Hz - 125 Hz
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Maximum Linear SPL ¹	134 dB
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Maximum SPL ²	138 dB
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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
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Nominal Amplifier Power (peak)	6000 W
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Input Type	Balanced Analog
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Input Impedance	20 kohms
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Input Sensitivity	6.2 V (+18 dBu)
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Audio Signal Input Connector	1 x Female XLR
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Audio Signal Loop Thru Connector	1 x Male XLR
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Audio/Data Input Connector	etherCON
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Control	ALMA
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Audio + Data Loop Thru Connector	etherCON
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AC Output Connector	powerCON TRUE1
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Current Draw 230 V / 115 V	4 A / 8 A
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Sampling Rate	96kHz
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Enclosure

Enclosure Construction	Birch Plywood
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Enclosure Geometry	Rectangular
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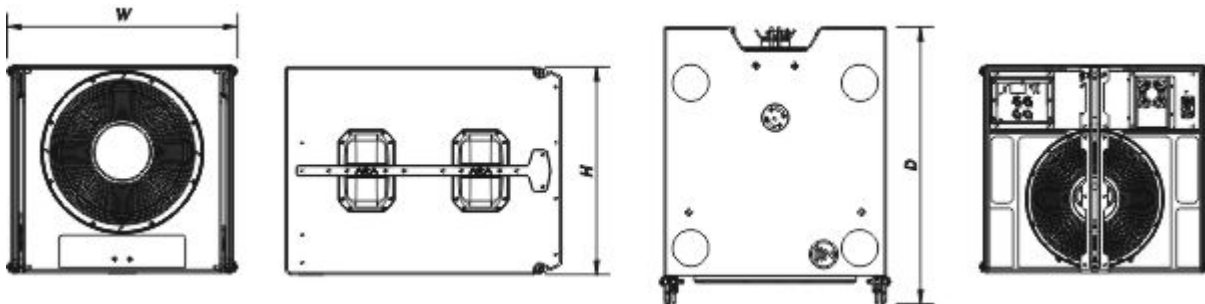
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Rigging	Captive Rigging System
Finish	ISO-flex Paint
Color	Black
IP Rating	IP43
Dimensions (H x W x D)	590 x 660 x 790 mm 23,5 x 26,0 x 31,2 in
Net Weight	67,0 kg (148,0 lb)

Components

LF Driver	18UXN
LF Cardioid Driver	15FWN

DIMENSIONS



ORDERING INFORMATION

Model	Description	P/N
System		
SARA-SUB		10420520

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Replacement Parts

15FWN	Cone Transducer	20208998
18UXN	Transducer	20208920
GM-18UXN	Recone Kit	20208530

Accessories

AX-SARA	Rigging Accessories	10106101
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
FUN-2-SARA-SUB	Transport Accessories	10103793
JP-SARA	Rigging Accessories	10102958
PL-SARA-SUB	Transport Accessories	10113340
PLINK1-09	Electronic Accessories	20502150
RACK-ARA-208	Ara Series	20503162
RACK-ARA-230	Ara Series	20503160

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