

ARA

S E R I E S



MARA-100

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 02/06/2026

 **DAS AUDIO**

KEY FEATURES

- Self-powered cardioid Line array
- 100° horizontal coverage
- 6 channel amplifier, Class D, 4200W_{rms}
- Controlled horizontal dispersion up to 80 Hz.
- Cardioid attenuation of -12dB (80 Hz - 200 Hz)
- IP control and monitoring through ALMA™
- FIR processing and digital management via DASaim™

DESCRIPTION

MARA is a self-powered cardioid and symmetrical line array system with a continuous power of 4200 Wrms. The MARA-100 offers a linear MAX SPL of 144 dB, a wide dynamic range, and an 100° horizontal coverage, making it the perfect solution for medium to large events. Thanks to its cardioid design, we achieve a rear attenuation of -12 dB in the range of 80 Hz - 200 Hz.

MARA-100 incorporates two 10" woofers with 3" voice coils, plus two 6" drivers in a cardioid configuration. For the midrange, we use two 8" speakers with 2.5" voice coils. For the high frequencies, it incorporates two M-78N compression drivers with 3" voice coils and a waveguide with an 100° horizontal dispersion. All components have been custom-designed and manufactured to maximize system efficiency.

The MARA Class D amplifier integrates a switched-mode power supply with power factor correction (PFC) to ensure maximum performance and efficiency, regardless of the mains voltage. Each amplifier provides a total of 4200 W RMS divided into 6 channels.

The 3-point rigging system is compatible with both MARA and MARA-SUB, allowing arrays of up to 24 MARA units and 16 MARA-SUB units to be flown. The FSS™ (Fast Set Splay) angulation system allows for angle adjustments in 1° increments, from 0° to 10°, from the stacking position, significantly reducing setup time.

The packaging of this model includes 1 unit of the product, 1 EC-09 cable, 1 PLINK1-09 cable, and 3 pins.

MARA-100

SPECIFICATIONS

Performance

| | |
|---------------------------------|-----------------|
| Frequency Range (-10 dB) | 55 Hz - 18 kHz |
| Horizontal Coverage (-6 dB) | 100° |
| Vertical Coverage | Splay Dependent |
| Maximum Linear SPL ¹ | 144 dB |
| Maximum SPL ² | 148 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) | 4200 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 Input Connector | powerCON TRUE1 |
| AC Output Connector | powerCON TRUE1 |
| Current Draw 230 V / 115 V | 6.5 A/13 A |
| Sampling Rate | 96kHz |

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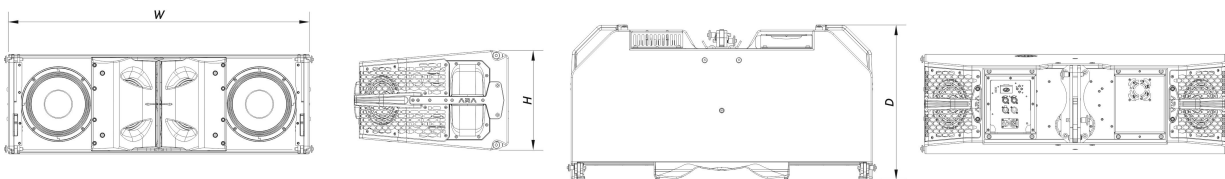
Enclosure

| | |
|--------------------------|---|
| 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) | 355 x 1.070 x 550 mm 14,0 x 42,0 x 21,6 in |
| Net Weight | 71,5 kg (157,3 lb) |

Components

| | |
|--------------------|--------|
| LF Driver | 10GXN4 |
| MF Driver | 8MXN |
| LF Cardioid Driver | 6GXN |
| HF Driver | M-78N |

DIMENSIONS



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ORDERING INFORMATION

| Model | Description | P/N |
|--------------------------|------------------------|----------|
| System | | |
| MARA-100 | | 10420601 |
| Replacement Parts | | |
| 10GXN4 | Cone Transducer | 20209110 |
| 6GXN | Cone Transducer | 20209130 |
| 8MXN | Cone Transducer | 20208989 |
| GM-8MX | Recone Kit | 20208539 |
| GM-M75N | Diaphragm | 20205080 |
| KIT-DSP-MARA-100 | Replacement Dsp | 20701160 |
| LITEMOD4HC | Amplifier | 30014976 |
| M-78N | Compression Driver | 20208860 |
| MP-MARA-100 | Power Module | 30011429 |
| Accessories | | |
| AX-MARA | Rigging Accessories | 10106120 |
| AX-PULL-LARA | Rigging Accessories | 10106006 |
| EC-09 | Electronic Accessories | 20502110 |
| EC-20 | Electronic Accessories | 20502130 |
| EC-30 | Electronic Accessories | 20502140 |
| ECPK-20 | Electronic Accessories | 20502180 |
| FRAME-AX-MARA | Rigging Accessories | 10106130 |
| FUN-4-MARA-MK2 | Transport Accessories | 10103880 |

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| | | |
|----------------|------------------------|----------|
| JP-MARA | Rigging Accessories | 10113354 |
| PICKUP-AX-MARA | Rigging Accessories | 10106140 |
| PIN-10.30 | Replacement Parts | 30009937 |
| PIN-12.43 | Replacement Parts | 30010414 |
| PL-MARA-MK2 | Transport Accessories | 15000177 |
| PLINK1-09 | Electronic Accessories | 20502150 |
| SPK18-20 | Electronic Accessories | 30007510 |
| SPK18-6TRUE1 | Electronic Accessories | 30007511 |
| TOP-PL-MARA | Transport Accessories | 10113353 |
| V-AX-LARA | Rigging Accessories | 10106003 |

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