

# ARA

S E R I E S



## ARA M210

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988  
Fuente del Jarro - Valencia - Spain - Tel. +34961340860  
Updated (DD/MM/YYYY): 26/06/2024



SOUND WITH SOUL

## KEY FEATURES

- Self-powered stage monitor system.
- 2-channel Class D amplifier, 1200Wrms.
- 96kHz FIR processing.
- Control, monitoring, and EQ via IP through ALMA™.
- 2 x 10" (10GXN) + Compression driver, 3" VCD (M-78N)
- Latest generation transducers with Neodymium.
- Coverage: Horizontal 50° x Vertical 40° down/ 30° up

## DESCRIPTION

The ARA-M210 is a stage monitor ARA series, featuring a symmetrical component configuration that provides even sound distribution. This arrangement of mid and low-frequency transducers results in a 50° horizontal spread and an asymmetrical vertical dispersion of 40° downward and 30° upward, optimizing the monitor for a wide variety of stage set up.

This monitor operates within a frequency range of 55 Hz to 20 kHz and is powered by a class D amplifier capable of delivering 1200 W continuously and 2400 W at peak. The maximum SPL of 143 dB ensures ample volume and clarity for live performance settings.

The custom-designed 10GXN transducers handle mid and low frequencies, while the M-78N compression driver manages the high frequencies, together providing a clear and reliable sound output. The ARA-M210's enclosure, made from durable birch plywood and finished with ISO-flex paint, is built to withstand the rigors of touring and frequent use.

The monitor's electronic architecture includes a 96kHz sampling rate with advanced digital signal processing. The inclusion of Finite Impulse Response (FIR) filters ensures acoustically flat magnitude and phase response, facilitating coherent audio output.

Sound control and management are accomplished through the ALMA software interface, allowing for precise adjustments to fit any performance requirement. The ARA-M210 is designed with both functionality and performance in mind, offering balanced sound delivery for professional stage applications. Its robust construction and advanced technology make it a reliable choice for sound reinforcement in different live settings.

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## SPECIFICATIONS

### Performance

Frequency Range (-10 dB)	55 Hz - 20 kHz
Horizontal Coverage (-6 dB)	50°
Vertical Coverage	30°Up/40°Down
Maximum Linear SPL <sup>1</sup>	137 dB
Maximum SPL <sup>2</sup>	143 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)	1200 W
Nominal Amplifier Power LF (continuous)	800 W
Nominal Amplifier Power LF (peak)	1600 W
Nominal Amplifier Power HF (continuous)	400 W
Nominal Amplifier Power HF (peak)	800 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

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Current Draw 230 V / 115 V

1.8 A/3.6 A

Sampling Rate

96kHz

### Enclosure

Enclosure Construction

Birch Plywood

Enclosure Geometry

Trapezoidal

Finish

ISO-flex Paint

Color

Black

Dimensions ( H x W x D )

385 x 660 x 520 mm

15,0 x 26,0 x 20,5 in

Net Weight

29,3 kg ( 64,5 lb )

### Components

LF Driver

10GXN

HF Driver

M-78N

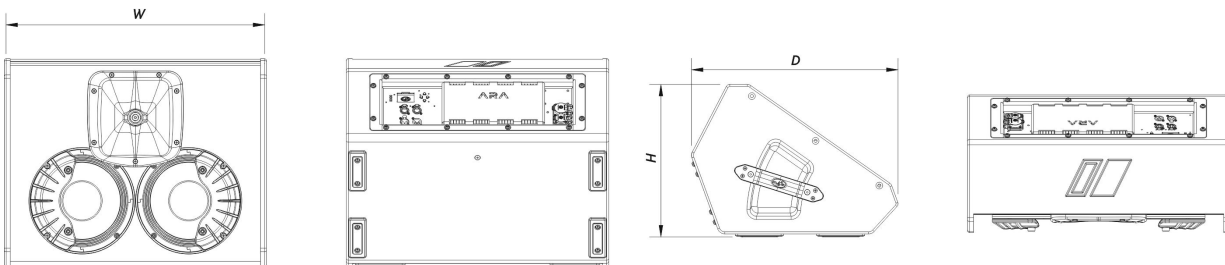
### Shipping

Carton Dimensions ( H x W x D )

740 x 370 x 490 mm

29,1 x 14,6 x 19,3 in

## DIMENSIONS



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## ORDERING INFORMATION

Model	Description	P/N
<b>System</b>		
ARA-M210		10420620
<b>Replacement Parts</b>		
10GXN	Cone Transducer	20209040
GM-M75N	Diaphragm	20205080
M-78N	Compression Driver	20208860
<b>Accessories</b>		
EC-09	Electronic Accessories	20502110
ECPK-20	Electronic Accessories	20502180
PWCONLINK-09	Electronic Accessories	20502210

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