

EN54 series



WR-6412-DX

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 14/04/2026

 **DAS AUDIO**

KEY FEATURES

- EN54-24 certified for use in voice alarm systems
- 2-way system for outdoor installation
- DX finish (Fiberglass) for direct exposure
- IP54 ingress protection rating
- 1 x 12AV loudspeaker
- M-75 compression driver with 3" diaphragm
- Rotatable 60° x 40° horn design
- Stainless steel fixing points

DESCRIPTION

The WR-6412 is a passive two-way system with an IP56 rating, designed for permanent professional outdoor installations. It incorporates a 12AV loudspeaker for low-frequency reproduction and an M-75 compression driver with a 3" titanium diaphragm coupled to a rotatable 60° x 40° horn that delivers clear and defined high-frequency reproduction. Its ultra-compact enclosure, made of birch plywood, minimizes unwanted vibrations and helps reduce distortion while maintaining stable acoustic performance under demanding conditions. This model is available in black or white finishes to facilitate integration into different environments.

The WR Series is designed to offer high resistance and durability in permanent outdoor installations. All metal components of the system are made of stainless steel to ensure high corrosion resistance. The connectors feature protection against liquids and dust through hermetic sealing and include a drainage system that prevents water accumulation. The grilles incorporate a three-layer textile barrier composed of acoustic fabric, filtering foam and a hydrophobic mesh that blocks dust, dirt and moisture without affecting sonic performance. In addition, the WR Series is available in CX (Covered Exposure) versions for partially covered installations, and DX (Direct Exposure) versions designed for locations fully exposed to the elements.

All WR Series systems share these protection specifications. This model corresponds to the DX version, designed for installations fully exposed to the elements and equipped with a reinforced fiberglass exterior.

WR-6412-DX

SPECIFICATIONS

Performance

Frequency Range (-10 dB)	60 Hz – 20 kHz
Horizontal Coverage (-6 dB)	60°
Vertical Coverage	40°
Nominal Impedance	8 ohms
RMS Power Handling	400 W
Peak Power Handling	1600 W
On-axis Sensitivity 1W/1 m	98 dB SPL
Maximum Peak SPL at 1 m	130 dB
Recommended Amplifier	INTEGRAL-A402
	INTEGRAL-A404
	INTEGRAL-A1002
	INTEGRAL-A1004
	INTEGRAL-A1602
	INTEGRAL-A1604
	INTEGRAL-MA1004
Recommended Processor	INTEGRAL-MA1604
	INTEGRAL-MA1004
	INTEGRAL-M88

Connectors

Audio Input Connector	Covered Barrier Strip Terminals
Audio Output Connector	Covered Barrier Strip Terminals

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Enclosure

Enclosure Construction	Birch Plywood
Enclosure Geometry	Trapezoidal
Rigging	M10 Rigging Points
Finish	Fiberglass
Color	Black
IP Rating	IP54
Dimensions (H x W x D)	705 x 395 x 395 mm 27,8 x 15,6 x 15,6 in
Net Weight	31,5 kg (69,5 lb)

Components

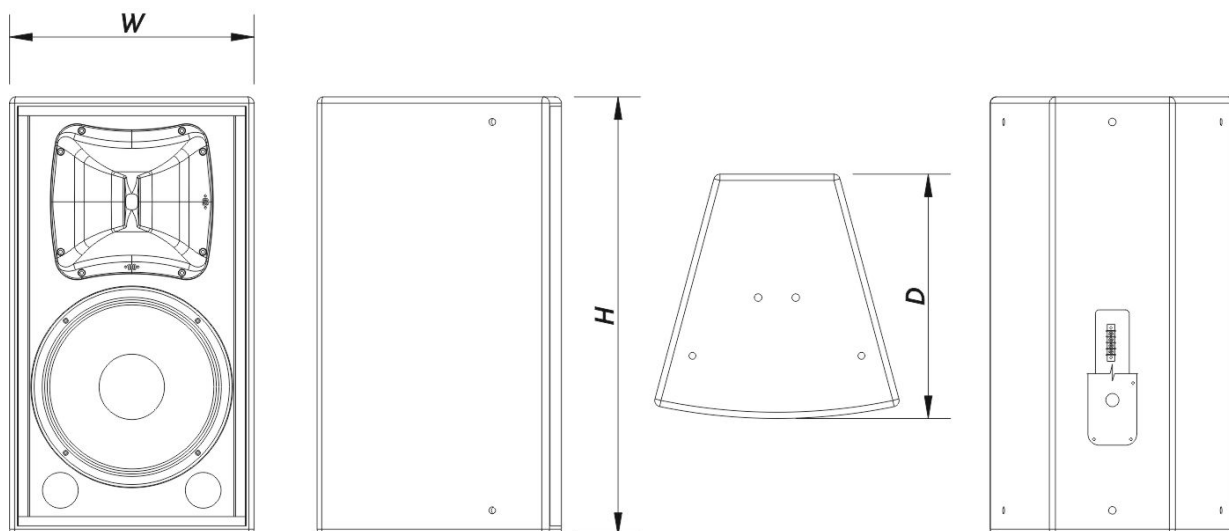
LF Driver	12P
HF Driver	M-75
Horn/Waveguide	BC-64AL

Shipping

Carton Dimensions (H x W x D)	773 x 458 x 472 mm 30,4 x 18,0 x 18,6 in
Shipping Weight	34,0 kg (75,0 lb)

DIMENSIONS

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ORDERING INFORMATION

Model	Description	P/N
System		
WR-6412-DX		10428060
Replacement Parts		
12P	Cone Transducer	10209050
BC-64AL	Horn	30004873
F-WR6412-5	Filter	30005703
GM-12P	Recone Kit	20208110
GM-M75N	Diaphragm	20205080
M-75	Compression Driver	10208100
Accessories		
AX-SPG1	Installation & Stacking Acc.	10105050
AXC-AT	Installation & Stacking Acc.	10104310
AXF-X10	Installation & Stacking Acc.	10104833
AXU-WR6412	Installation & Stacking Acc.	10104710
ANL-2	Rigging Accessories	10101020

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