

The MAX2 monitor



MAX2 monitor

The 2-way passive MAX2 loudspeaker houses a 1.5" LF driver and a coaxially mounted 1.4" HF compression driver and achieves 75° conical constant directivity dispersion.

The driver arrangement uses a single magnet assembly, allowing for a compact cabinet design with a low profile for strict visual demands. The MAX2 can be driven by any appropriate linear power amplifier, but for maximum performance and protection a d&b amplifier is required. The MAX2 provides a broad variety of deployment possibilities, whether used individually as a stage monitor; as a stand-alone full range system or, when combined with d&b subwoofers, as a drumfill.

The loudspeaker cabinet is constructed in marine plywood with an impact resistant paint finish. Four M10 threaded inserts allow connection to a flying bracket. The cabinet incorporates a pair of recessed grips for handling, while the front is protected by a rigid metal grill backed with an acoustically transparent foam. A pole mount is incorporated into one of the side panels. Two runners recessed in the bottom panel protect the cabinet from scratching and prevents movement.

System data

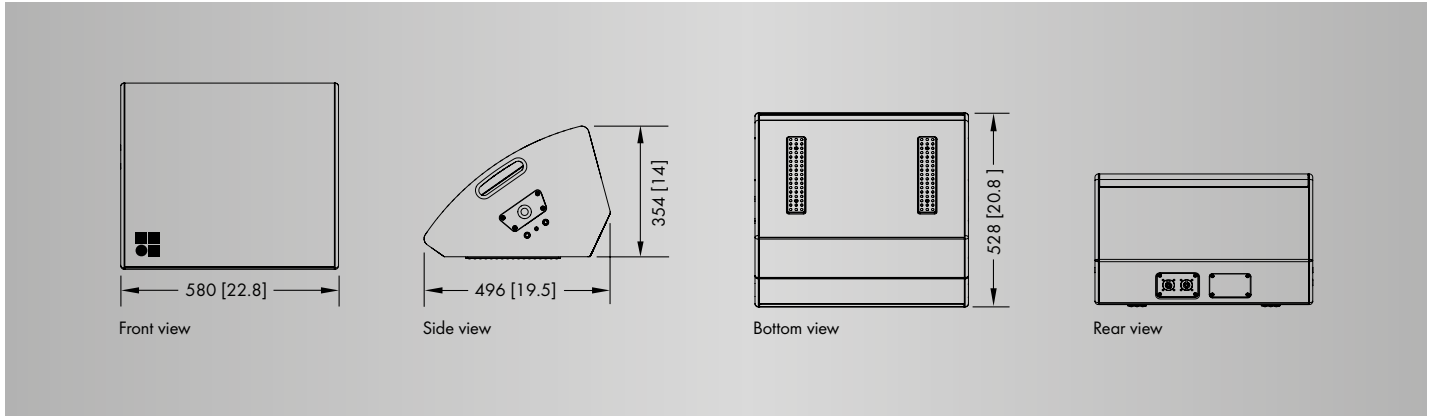
Frequency response (-5 dB)	55 Hz - 20 kHz
Max. sound pressure (1 m, free field) ¹	
with D6/10D	131 dB
with D20/30D	135 dB
with D80	135 dB

Loudspeaker data

Nominal impedance	8 ohms
Power handling capacity (RMS/peak 10 msec)	250/1600 W
Nominal dispersion angle (conical)	75°
Components	1.5" driver with ferrite magnet
.....	coaxial 1.4" exit compression driver
.....	passive crossover network
Connections	2 x NLT4 F/M
.....	optional 2 x EP5 or 2 x NL4
Weight	23 kg (50 lb)

¹ Broadband measurement, pink noise, crest factor 4, peak measurement, linear weighting

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MAX2 cabinet dimensions in mm [inch]

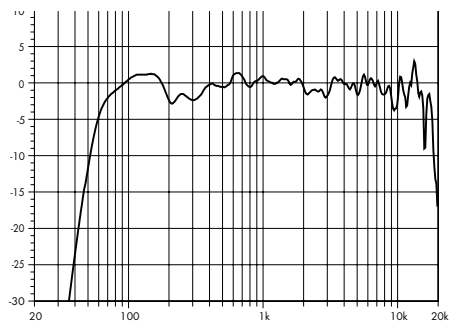
Features and benefits

- High feedback stability and sound pressure level
- Remarkable vocal presence and clarity
- Integrated pole mount for use in small PA applications
- Specific setup in d&b amplifiers ensures best performance and headroom
- Can also be driven by any appropriate linear amplifier

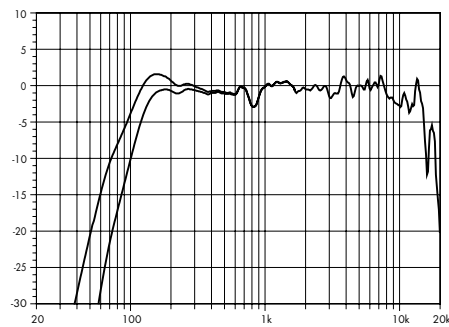
Applications TBC

- Music and live program reinforcement for permanent installations
- Live performance venues
- Night clubs
- Houses of Worship
- Sporting venues
- Multipurpose suites

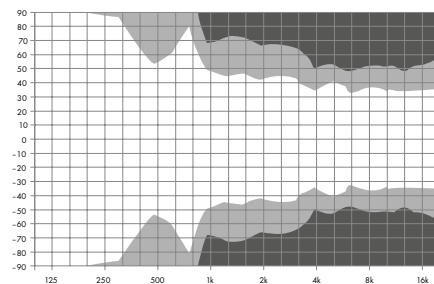
The loudspeaker shall be the MAX2 by d&b audiotechnik GmbH & Co. KG.



MAX2 frequency response standard (floor coupling)



MAX2 frequency response standard and CUT (free field)



MAX2 dispersion characteristics²

² Dispersion angle vs frequency plotted using lines of equal sound pressure (isobars) at -6 dB and -12 dB