

The MAX2 monitor



The 2-way passive MAX2 loudspeaker houses a 15" 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 standalone 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.

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 while two runners recessed in the bottom panel protect the cabinet from scratching and prevents cabinet movement.

Four M10 threaded inserts allow connection to a dedicated flying bracket.

d&b amplifiers

The d&b audiotechnik loudspeaker range is designed exclusively for operation with d&b amplifiers. These provide power as well as comprehensive control and protection functions tailored to achieve the performance, reliability and longevity associated with the d&b system approach.

MAX2 cabinets can also be operated using the LINEAR setup of applicable d&b amplifiers. However, the MAX2 setup provides low end equalization and limiter settings specially tuned for MAX2 cabinets used as stage monitors.

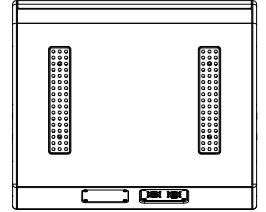
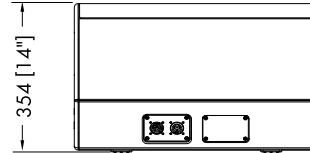
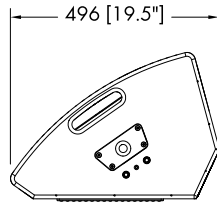
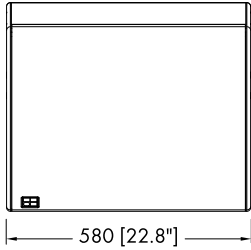
System data

Frequency response (-5 dB standard)	55 Hz - 20 kHz
Frequency response (-5 dB CUT mode)	90 Hz - 20 kHz
Max. SPL (Peak, 1 m, free field, pink noise with crest factor 4)	
with D6/10D	131 dB
with D90/D80/D40/D25/D20/40D/25D	135 dB

Loudspeaker data

Nominal impedance	8 ohms
Power handling capacity (RMS/peak 10 ms)	250/1600 W
Nominal dispersion angle (conical)	75°
Components	15" LF driver with ferrite magnet
.....	1.4" exit compression driver
.....	Passive crossover network
Connections	NLT4 F/M
Pin assignment	1+/1-
Weight	23 kg (50 lb)

The MAX2 monitor



MAX2 cabinet dimensions in mm [inch]

Monitors 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

- Stage monitoring
- Music and live program reinforcement
- Live performance venues
- Multipurpose suites
- Night clubs
- Houses of Worship

Architectural specifications

The 2-way, passive stage monitor shall consist of an integrated 15"/1.4" coaxial driver combination with a passive crossover, using a single magnet assembly, providing a conical 75° constant directivity HF dispersion. The loudspeaker shall only be operated by a dedicated, compatible controller amplifier.

The cabinet shall be constructed from marine plywood with an impact resistant paint finish.

The front of the loudspeaker cabinet shall be protected by a rigid metal grill in front of an acoustically transparent foam.

Each side panel shall incorporate a handle while four M10 threaded inserts shall allow connection to different rigging devices and brackets. A pole mount shall be incorporated in one side panel to accept either a corresponding tripod or extension pole.

Two runners shall be recessed in the bottom panel to prevent cabinet movement and protect the bottom panel against scratching.

The cabinet shall be fitted with NLT4 F/M connectors.

The power handling capacity shall be 250 W RMS and 1600 W peak (10 ms). The frequency response (-5 dB) measured on axis shall be 55 Hz to 20 kHz with a maximum sound pressure of at least 135 dB.

The dimensions (W x H x D) shall not exceed 580 x 354 x 496 mm (22.8" x 14" x 19.5") and shall weigh no more than 23 kg (50 lb).

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