



MARQUIS  
DANCE CLUB SERIES

# MD2

## Bi-Amplified, High Power Loudspeaker System

Professional Series

### Key Features:

- ▶ Dual JBL 2169H 8" Neodymium Differential Drive® mid-range drivers
- ▶ Large format JBL 2453H-SL 4" damped titanium diaphragm compression driver
- ▶ Low Distortion
- ▶ High Fidelity

### Applications:

- ▶ Sophisticated dance clubs
- ▶ Anywhere high energy dance music is required

JBL's Marquis Dance Club Series is a state-of-the-art family of loudspeaker systems designed specifically for the Dance Club Market. MD2 is a mid-high module utilizing two of JBL's eight inch 2169H Differential Drive® transducers for mid-band reproduction and the 2453H-SL for high-frequencies, the MD2 handles frequencies from 300 Hz to 20 kHz. The MD2 is intended to be used in conjunction with the MD1 super tweeter, MD3 low-frequency system, and MD7 ultra high-output subwoofer system. When all elements are combined they complete a high energy five-way dance system with unprecedented fidelity, clarity, and breathtaking purity.



### Specifications:

<b>System:</b>	
Frequency Range (-10 dB):	270 Hz - 20 kHz
Frequency Response (±3 dB):	320 Hz - 20 kHz
Hor. Coverage Pattern (-6 dB):	90°
Vert. Coverage Pattern (-6 dB):	20° up, 30° down
Directivity Factor (Q):	10.0
Directivity Index (DI):	10
Crossover Frequency:	300 Hz, 1.5 kHz
System Power Ratings (IEC) <sup>1</sup> :	MF: 700 W (2800 W peak), 2 hrs HF: 100 W (400 W peak), 2 hrs
Long-Term System Power Rating (IEC) <sup>2</sup> :	MF: 400 W (1600 W peak), 100 hrs HF: 50 W (200 W peak), 100 hrs
Maximum SPL (1m) <sup>3</sup> :	MF: 137 dB continuous average (143 dB peak) HF: 133 dB continuous average (139 dB peak)
<b>Transducers:</b>	
<b>Mid-Frequency Driver:</b>	2 x JBL 2169H, 200 mm (8 in) Differential Drive Neodymium magnet with dual 76 mm (3 in) dual voice coil
Nominal Impedance:	4 ohms
Sensitivity <sup>4</sup> :	112 dB SPL, 2.83V (2W) @ 1m (3.3 ft)
<b>High-Frequency Driver:</b>	1 x JBL 2453H-SL, 38 mm (1.5 in) exit compression driver, 100 mm (4 in) voice coil and neodymium magnet
Nominal Impedance:	8 ohms
Sensitivity <sup>3</sup> :	113 dB-SPL, 2.83V (1W) @ 1m (3.3 ft)
<b>Physical:</b>	
Enclosure:	Trapedzoidal cabinet, 16 mm (5/8 in) exterior grade 11-ply birch plywood
Suspension Attachment Points:	20 x M10 threaded hardware points; 5 top, 5 bottom, 4 each side and 2 on the back.
Bracket Attachment Points:	2 x M10 threaded hardware points on top for mounting MD1 (not intended for use as overhead suspension points).
Finish:	Black DuraFlex™ finish.
Grille:	Powder coated 14 gauge perforated steel.
Input Connectors:	NL4 Neutrik Speakon® NL4 and CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AGW) wire or max width 9 mm (.375 in) spade lugs. NL4 in parallel with barrier strip.
Dimensions (H x W x D):	1143.0 x 844.8 x 508.5 mm (45 x 33.3 x 20 in)
Weight:	52.2 kg (115.0 lb)

<sup>1</sup> IEC shaped pink noise, 6 dB crest factor, 2 hour duration, based on minimum impedance, with recommended active tuning.

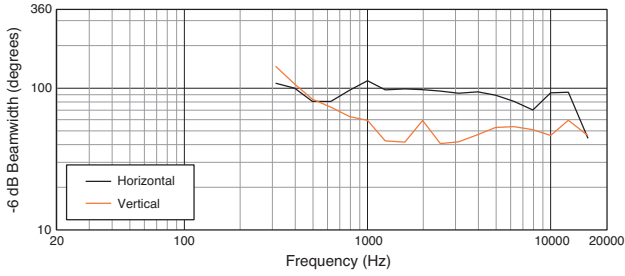
<sup>2</sup> IEC shaped pink noise, 6 dB crest factor, 100 hour duration, based on minimum impedance, with recommended active tuning.

<sup>3</sup> Calculated based on system sensitivity and 2 hour power rating, exclusive of power compression.

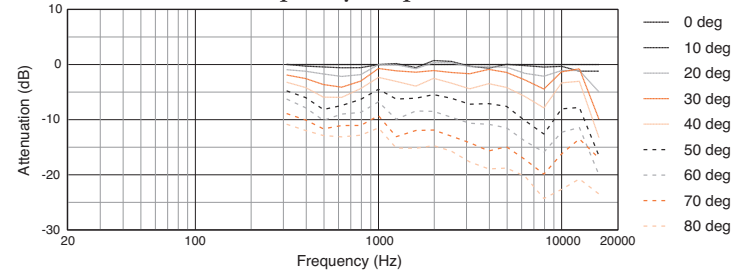
<sup>4</sup> Anechoic sensitivity in free field, no additional sensitivity gain from boundary loading.

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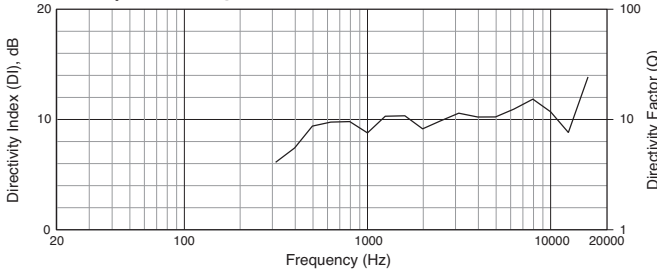
**Beamwidth**



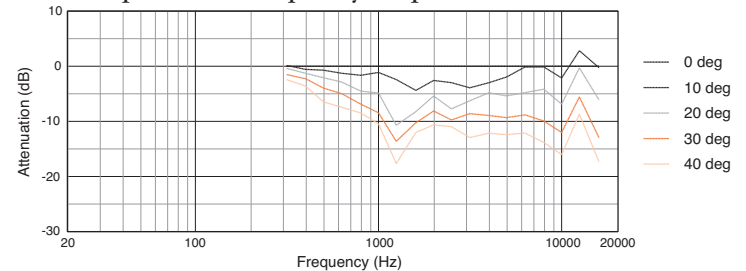
**Horizontal Off-Axis Frequency Response**



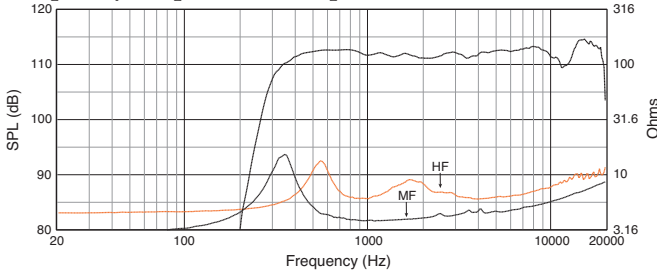
**Directivity Index, Q**



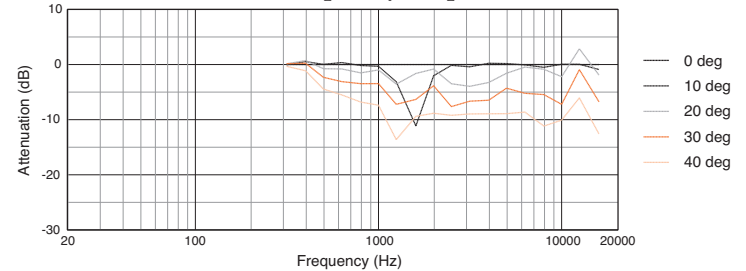
**Vertical Up Off-Axis Frequency Response**



**Frequency Response and Impedance**

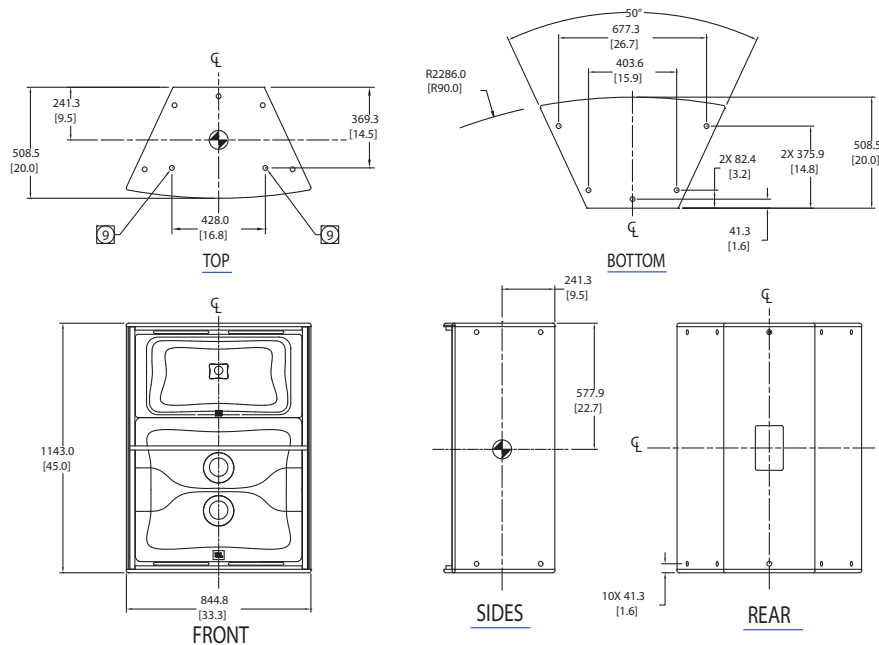


**Vertical Down Off-Axis Frequency Response**



Measurements obtained with recommended active tuning. Graphs are from unaltered measured data.

## Dimensions



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Ⓞ These two points are not intended to be used as attachment points for overhead suspension.

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