W8LMI
Three-way, compact line array element

features
- Mini, three-way line array element
- Hybrid™ dual 8” (200mm) LF+MF configuration (-3dB @ 60Hz)
- LF+MF – 100dB @ 1W, 1m (single cabinet)
- Twin 1” (25mm) HF horn – 106dB @ 1W, 1m (single cabinet)
- Consistent 100° (-6dB) horizontal mid and HF pattern control
- Passive or bi-amp operation
- 12 ohm system impedance, up to 4 cabinets on one amplifier channel
- Integral rigging system with variable splay angles
- 7:1 safety factor with arrays of up to 12 cabinets
- Compatible with W8LM flying frame and lifting bar
- Display™ array optimisation software
- Loudspeaker management preset files for a wide variety of configurations

applications
- Suited to the requirements of fixed installations

The W8LMI is a compact line array enclosure designed to bring line array performance to small and medium scale applications in the fixed installation market. It features the same acoustic components and construction as the touring W8LM as well as a custom-designed integral flying system tailored to the needs of a fixed installation environment, such as theatres and indoor venues. The flying hardware is rated at 7:1 for 12 cabinets and is compatible with the W8LM flying frame and lifting bar.

Following the constant directivity horn design philosophy of the W8L and the W8LC, the W8LMI is a three-way system that combines line array principles with innovative horn loading techniques to produce a next generation, small line array with maximum dynamic impact.

technical specifications

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Three-way, compact line array element</th>
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<tbody>
<tr>
<td>FREQUENCY RESPONSE</td>
<td>60Hz-18kHz ± 3dB</td>
</tr>
<tr>
<td>DRIVERS: LF + MF Section</td>
<td>8” (200mm)/2” (50mm) voice coil, reflex-loaded direct radiator</td>
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<tr>
<td></td>
<td>8” (200mm)/2” (50mm) voice coil, neodymium driver, front horn loaded, rear reflex loaded</td>
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<tr>
<td></td>
<td>2 x 1” (25mm) exit HF compression drivers, horn loaded</td>
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<tr>
<td>HF Section</td>
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<tr>
<td>RATED POWER</td>
<td>LF + MF: 400W AES, 1600W peak</td>
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<tr>
<td></td>
<td>HF: 75W AES, 300W peak</td>
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<tr>
<td></td>
<td>Passive: 400W AES, 1600W peak</td>
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<tr>
<td>SENSITIVITY</td>
<td>LF + MF: 100dB</td>
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<tr>
<td></td>
<td>HF: 106dB</td>
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<tr>
<td></td>
<td>Passive: 99dB rising to 105dB at HF</td>
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<tr>
<td>MAXIMUM SPL</td>
<td>LF + MF: 125dB continuous, 131dB peak</td>
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<tr>
<td></td>
<td>HF: 125dB continuous, 131dB peak</td>
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<tr>
<td></td>
<td>Passive: 124dB continuous, 130dB peak</td>
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<tr>
<td>NOMINAL IMPEDANCE</td>
<td>LF + MF: 12 ohms</td>
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<tr>
<td></td>
<td>HF: 12 ohms</td>
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<tr>
<td></td>
<td>Passive: 12 ohms</td>
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<tr>
<td>DISPERSION</td>
<td>LF + MF: 100° horizontal (down to 800Hz), 120° horizontal (down to 700Hz) @ -10dB</td>
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<tr>
<td></td>
<td>HF: 7.5° vertical</td>
</tr>
<tr>
<td>CROSSOVER</td>
<td>300Hz passive, 2.2kHz active or passive</td>
</tr>
<tr>
<td>ENCLOSURE</td>
<td>Vertical trapezoid with 3.75° wall angle, multi-laminate birch ply construction</td>
</tr>
<tr>
<td>FINISH</td>
<td>Textured paint</td>
</tr>
<tr>
<td>PROTECTIVE GRILLE</td>
<td>Perforated steel</td>
</tr>
<tr>
<td>CONNECTORS</td>
<td>2 x Neutrik NL4</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>(W) 620mm x (H) 243mm x (D) 400mm</td>
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<tr>
<td></td>
<td>(W) 24.4ins x (H) 9.57ins x (D) 15.75ins</td>
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<tr>
<td>WEIGHT</td>
<td>29kg (64lbs)</td>
</tr>
</tbody>
</table>

overall dimensions

Century Point, Halton Road, Creonan Business Park,
Telephone: + 44 (0)1494 535312 Facsimile: + 44 (0)1494 438669
E-mail: info@martin-audio.com
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