The ultra-compact WT15+ is a trapezoid full-range speaker capable of producing SPL’s associated with much larger enclosures. It is designed specifically for theatre applications where minimum size is a priority.

Only 11” high, it produces extended bandwidth and has high output capability from twin 5” (125mm) drivers assembled in an innovative two-way configuration utilising ICT™ technology, with HF dispersion identical in both horizontal and vertical planes. The HF diaphragms are driven via inductive coupling, avoiding the tweeter burn-out commonly associated with miniature loudspeakers. ICT™ technology also obviates the need for a crossover as the inductive coupling provides a complimentary transfer function for the tweeter.

The system also features externally switchable 4 or 16 ohm operation. Input configuration is also externally switchable, allowing daisy chaining of cabinets even when fed with different input signals.

Special fittings allow installation under-balcony, for stage or front-fill siting, or it can be mounted on standard microphone stands.
WT15+
Ultra-compact theatre enclosure

overall dimensions

WT15+

75mm
[2.95”]

104mm
[4.10”]

172mm
[6.77”]

282mm
[11.10”]

38mm
[1.50”]

12.5°

21mm
[0.82”]

64mm
[2.50”]

221mm
[8.70”]
WT15+
Ultra-compact theatre enclosure

technical specifications

<table>
<thead>
<tr>
<th>Specifikation</th>
<th>Details</th>
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<tbody>
<tr>
<td>Type</td>
<td>Ultra-compact, two-way ICT™ trapezoid</td>
</tr>
<tr>
<td>Frequency response</td>
<td>120Hz-20kHz ± 3dB</td>
</tr>
<tr>
<td>Drivers</td>
<td>2 x 5” (125mm) ICT™ full-range drivers</td>
</tr>
<tr>
<td>Rated Power</td>
<td>75W AES, 300W peak</td>
</tr>
<tr>
<td>Recommended Amp</td>
<td>MA2.0 / MA2.8Q</td>
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<tr>
<td>Sensitivity</td>
<td>94dB</td>
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<tr>
<td>Maximum SPL</td>
<td>109dB continuous, 115dB peak</td>
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<tr>
<td>Dispersion</td>
<td>80° horizontal, 80° vertical</td>
</tr>
<tr>
<td>Enclosure</td>
<td>5 litre, rear vented</td>
</tr>
<tr>
<td>Finish</td>
<td>Textured black paint</td>
</tr>
<tr>
<td>Protective Grille</td>
<td>Black perforated steel</td>
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<tr>
<td>Connectors</td>
<td>2 x Neutrik NL4 switchable for input +1,+1 or +2,+2</td>
</tr>
<tr>
<td>Fittings</td>
<td>2 x 3/8” flush mounted nut plates on base and top</td>
</tr>
<tr>
<td>4 x M4 inserts for Omnimount 50</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>(W) 172mm x (H) 282mm x (D) 172mm</td>
</tr>
<tr>
<td>Weight</td>
<td>5kg (11lbs)</td>
</tr>
</tbody>
</table>

accessories

- HTKWT15 Flying yoke

Notes

(1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
(3) Measured in half space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
(4) Measured in half space at 2 metres using band limited pink noise, then referred to 1 metre.
(5) Measured off-axis in open (4π) space at 2 metres, then referred to 1 metre.
(6) Measured in open (4π) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
(7) Measured in open (4π) space at 2 metres using band limited pink noise, then referred to 1 metre.
(8) Measured in open (4π) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.
(9) Calculated at 1 metre.

architectural and engineering specifications

The loudspeaker system shall be of the two-way passive type consisting of two 5" (125mm) full-range ICT™ drivers each fitted with a concentric 1” (25mm) high frequency diaphragm loaded by a phase plug and waveguide. The transducers shall be mounted in reflex loaded trapezoidal enclosure fitted with threaded inserts for wall and ceiling mounting. 4 or 16 ohm operation shall be selected by a switch at the rear of the enclosure. Input between pins 1 and 2 shall be selected by a switch at the rear of the enclosure.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:
- Frequency response measured 1 metre on axis shall be 120Hz-20kHz ±3dB.
- High frequency dispersion at -6dB points shall be 80°H x 80°V.
- Power handling shall be 75W AES, 300W peak.
- Rated impedance shall be 4 ohms (16 ohms optional/user configurable).
- Maximum SPL measured at 1 metre on axis shall be 109dB continuous, 115dB peak.
- Dimensions (W) 172mm x (H) 282mm x (D) 172mm (6.8ins x 11ins x 6.8ins).
- Weight 5kg (11lbs).

The loudspeaker system shall be the Martin Audio WT15+.