ES1.5 Technical Data Sheet

Introduction
The ES1.5 is a single 15”, extremely compact, high output subwoofer weighing just 30.8 kg (67.9lbs) designed as part of the ES Series speaker system. Used singularly or in multiples of up to three, alongside a single ES1.0 mid high cabinet, the system is powered by the EPAK2500/R Amplifier ensuring fast, easy set up with perfect balance and complete control. The EPAK2500/R also allows up to two ES1.5’s to be used alongside an ES1.8, where the ES1.5 can either be flown alongside an ES1.0 or ground stacked with the ES1.8.

Features
- Professional Baltic birch construction with highly resistant polymer coating
- 127dB sustained output / 130dB peak per unit and 134dB / 137dB peak when using 3 units
- Acoustic loading via Asymmetrical Bandpass
- 15” bass driver with 3” (76 mm) inside/outside, epoxy baked, high temperature voice coil assembly and ferrite magnetic structure
- Proprietary side handle design for simplified handling and carrying
- High-impact low friction feet, asymmetrically located on three sides allowing vertical or horizontal system set up, lock-in and easy cabinet movement
- Four internal corner braces tied to eight M10 suspension points. A total of 24 suspension points are available for custom installation applications
- Weather proofing option and special paint finishes available on request

Application
Specifically designed to accompany and compliment the ES1.0 as a true full range compact system
- Portable PA
- Fixed Installations
- Bars and Nightclubs
- Houses of worship
- Can be integrated with other ES subwoofers

System Acoustic Performance
<table>
<thead>
<tr>
<th>Performance Type</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max SPL Long-term</td>
<td>127dB (134dB - 3x ES1.5)</td>
</tr>
<tr>
<td>Max SPL Peak</td>
<td>130dB (137dB - 3x ES1.5)</td>
</tr>
<tr>
<td>-3dB Response</td>
<td>40Hz to 130Hz</td>
</tr>
<tr>
<td>-10dB Response</td>
<td>36Hz to 130Hz</td>
</tr>
<tr>
<td>Impedance</td>
<td>16Ω</td>
</tr>
<tr>
<td>Crossover Point</td>
<td>130Hz</td>
</tr>
</tbody>
</table>

Low Frequency Section
- Acoustic Design: Twin Asymmetrical loading
- Subwoofer Amplifier Requirement: 500W / ES1.5 from EPAK 2500/R
- Woofer Size / Voice Coil Diameter / Design: 15” / 3” / Inside Outside
- Diaphragm Material: Epoxy Reinforced Cellulose
- Magnet Type: Ferrite

Speaker Input
- Speaker Input: AP4

Speaker Output
- Speaker Output: AP4

Cabinet
- Cabinet Material: Baltic birch
- Handles: 2
- Color: “Orange peeled” Matt Black or any RAL

Physical Dimensions
<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>700 mm (27.55”)</td>
</tr>
<tr>
<td>Width</td>
<td>450 mm (17.71”)</td>
</tr>
<tr>
<td>Depth</td>
<td>450 mm (17.71”)</td>
</tr>
<tr>
<td>Weight</td>
<td>30.8 kg (67.9lbs)</td>
</tr>
</tbody>
</table>
**Architectural Specifications**

The bass module loudspeaker system shall incorporate one 15-inch low frequency (LF) transducer with neodymium motor. The LF driver shall be mounted inside a compact wood enclosure in between asymmetrical bandpass with horn shaped exits tuned for optimum bass response. The loudspeaker enclosure shall have a rectangular shape and shall incorporate, two side handles with integrated M10 points, one top and bottom M10 suspension point and integrated internal braces with eight M10 suspension points on the back. The speaker cabinet shall be finished with an ultra wear resistant black polymer coating and fitted with a weather resistant perforated steel grill. The system shall receive power from a separate Amplifier and Control Module consisting of separate power amplifiers for high, mid-range and mid-bass transducers as well as signal processing including electronic band pass crossover filters, phase alignment, time correction, equalization and speaker protection. The speaker system shall connect to the Amplifier and Control Module via proprietary cables terminated in Amphenol AP4 connectors. The bass module shall be the KV2 Audio ES1.5.

**Dimensional Drawings**

The future of sound. Made perfectly clear.