Compact, high-power, point source installation speakers

Corporate & Public Spaces  Theatres  Bars & Restaurants  Clubs  Houses of Worship
NEXO performance for cost-critical installations

For more than 25 years, the groundbreaking NEXO PS Series has enjoyed industry standard status as the point source loudspeaker of choice in high end installations around the world. Now the ePS Series builds on the PS platform to create a new, ‘no frills’, IP54-rated loudspeaker range that makes legendary NEXO engineering and performance accessible to a wider range of projects.

The ePS Series delivers NEXO’s trademark musical, high-output, full range sound, with all the versatility that comes with precision coverage, variable HF directivity and a small but flexible range of universal mounting hardware.

Three lightweight point source cabinets partner high-excitation 6, 8 and 10-inch LF drivers respectively with a 1-inch exit HF driver, with dedicated 12 and 15-inch subwoofers to extend LF performance.

Variable HF directivity for perfect venue coverage

A satisfactory audience experience often necessitates compromise between the wide, short throw coverage required by listeners closest to the stage, and the narrow, long throw coverage required by those at the back of the venue. The asymmetrical horns in ePS speakers are engineered such that vertical coverage is narrower above horn axis than below. Easy for the user to rotate, it ensures optimum directivity for any fixed installation.

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Ready for any environment

Flexible mounting options and custom RAL colour finishes ensure that ePS loudspeakers fit seamlessly into their surroundings, delivering consistent venue coverage with a minimal visual impact.

ePS cabinets are finished in black structural paint with a UV-resistant acoustic fabric stretched over the protective front grille. White and all other RAL colours are available to order.

An extensive range of cabinet fittings are provided for mounting and rigging hardware. Two M6 with 80mm pitch and one M10 fitting on the cabinet sides allow connection to U Bracket, bumper or eye bolts.

The back of each speaker is fitted with 3x M6 with 70mm pitch for wallmount in both horizontal and vertical positions.

Connectivity

All three main cabinets and both subs are minimally fitted with a hard-wired strip for connection, offering generic 2 x 7 mm pitch IN/OUT screw connectors. The included IP cover protects the connections from moisture in outdoor applications.

Dedicated sub bass cabinets

Dedicated eLS400 and eLS600 subwoofers extend ePS system LF response down to 45 and 40Hz respectively. The 1 x 12-inch driver-equipped eLS400 is designed to partner the ePS6 and ePS8, while the eLS600 partners the ePS8 and ePS10. Custom accessories exist to hang ePS cabinets below the subwoofers to create a small footprint wideband system.

Measuring 365mm high x 423mm wide x 450mm deep and weighing 14.5Kg, the eLS400 sub uses a high excursion 12-inch Neodymium driver in a cabinet constructed in a bass-reflex design. Constructed from 15mm baltic birch plywood, the cabinet is protected by a strong polyurethane based coating and the Magnelis® front grille is covered by a black UV and fire resistant cloth.

Achieving a peak SPL of 130dB with a frequency range extending down to 45Hz, the eLS400 features convenient rigging points and two pairs of In/Out connectors on pitch screw terminal blocks with an IP cover.

Measuring 423mm high x 531mm wide x 566mm deep and weighing 26.3Kg, the eLS600 sub uses a high excursion 15-inch driver in a cabinet constructed in a bass-reflex design. Constructed from 15mm baltic birch plywood, the cabinet is protected by a strong polyurethane based coating and the Magnelis® front grille is covered by a black UV and fire resistant cloth.

Achieving a peak SPL of 136dB with a frequency range extending down to 40Hz, the eLS600 features convenient rigging points and two pairs of In/Out connectors on pitch screw terminal blocks with an IP cover.
# Power & Processing

**NXAMP2**

With models rated at 4 x 1300 Watts, 4 x 2500 Watts and 4 x 4500 watts, NXAMP2 combines advanced signal processing with four state-of-the-art Class D amplifiers to create a flexible, light-weight powering and control solution that’s perfect for use with NEXO ePS installations. Easy to set up and quick to deploy, all essential parameters are readily accessible via a large colour touchscreen on the front panel, with a comprehensive range of control and networking facilities on the rear panel. 96KHz converters and 64-bit signal processing combine to assure pristine sound quality.

**DTD / DTDAMP**

Ideal for powering smaller ePS systems, the 4-channel, 1U rack-mounting DTDAMP is available in two versions: 4 x 700 Watts and 4 x 1300 Watts (4 x 4 Ohms). The DTDAMP partners perfectly with the installation version of the DTD Controller to create a compact, lightweight, intelligent powering solution that’s easy to configure and use, even by a relatively inexperienced operator.

## Specifications

### WITH NEXO PROCESSING

<table>
<thead>
<tr>
<th>Model</th>
<th>ePS6</th>
<th>ePS8</th>
<th>ePS10</th>
<th>eLS400</th>
<th>eLS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response @ 6 dB</td>
<td>90 Hz to 20 kHz</td>
<td>90 Hz to 20 kHz</td>
<td>70 Hz to 20 kHz</td>
<td>45 Hz to 150 Hz</td>
<td>45 Hz to 150 Hz</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>98.8 dB SPL Nominal</td>
<td>100.8 dB SPL Nominal</td>
<td>101.8 dB SPL Nominal</td>
<td>102.8 dB SPL Nominal</td>
<td>102.8 dB SPL Nominal</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>8 Ω</td>
<td>8 Ω</td>
<td>8 Ω</td>
<td>6 Ω</td>
<td>4 Ω</td>
</tr>
<tr>
<td>Vertical Dispersion</td>
<td>50° to 100° Asymmetrical</td>
<td>50° to 100° Asymmetrical</td>
<td>50° to 100° Asymmetrical</td>
<td>50° to 100° Asymmetrical</td>
<td>50° to 100° Asymmetrical</td>
</tr>
<tr>
<td>Crossover Frequency</td>
<td>90 Hz, 120 Hz</td>
<td>90 Hz, 120 Hz</td>
<td>70 Hz, 120 Hz</td>
<td>45-150 Hz</td>
<td>45-150 Hz</td>
</tr>
<tr>
<td>Recommended Power</td>
<td>500 to 800 Watts / 8 Ohms</td>
<td>400 to 700 Watts / 6 Ohms</td>
<td>400 to 700 Watts / 4 Ohms</td>
<td>800 to 1500 Watts / 4 Ohms</td>
<td>800 to 1500 Watts / 4 Ohms</td>
</tr>
</tbody>
</table>

### Optional powering solutions

<table>
<thead>
<tr>
<th>Model</th>
<th>ePS6 per channel</th>
<th>ePS8 per channel</th>
<th>ePS10 per channel</th>
<th>eLS400 per channel</th>
<th>eLS600 per channel</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXAMP4x1mk2 Powered DTDcontroller + DTDAMP</td>
<td>1 x ePS6</td>
<td>1 x ePS8</td>
<td>1 x ePS10</td>
<td>1 x eLS400</td>
<td>1 x eLS600</td>
</tr>
<tr>
<td>NXAMP4x2mk2 Powered DTDcontroller + DTDAMP</td>
<td>2 x ePS6</td>
<td>2 x ePS8</td>
<td>2 x ePS10</td>
<td>2 x eLS400</td>
<td>2 x eLS600</td>
</tr>
<tr>
<td>NXAMP4x4mk2 Powered DTDcontroller + DTDAMP</td>
<td>4 x ePS6</td>
<td>4 x ePS8</td>
<td>4 x ePS10</td>
<td>4 x eLS400</td>
<td>4 x eLS600</td>
</tr>
</tbody>
</table>

### Power & Processing Specifications

- **Power & Processing**
  - ePS / eLS cabinets can be fitted with a range of NEXO and universal mounting hardware for horizontal and vertical installation.
  - ePS / eLS cabinets are compatible with all models rated at 4 x 1300 Watts, 4 x 2500 Watts and 4 x 4500 watts.

### Accessories

- **ePS / eLS cabinets**
  - ePS / eLS cabinets can be fitted with a range of NEXO and universal mounting hardware for horizontal and vertical installation.

### WITH NEXO PROCESSING

- **ePS / eLS cabinets**
  - Recommended power solutions: NXAMP4x2mk2 Powered DTDcontroller + DTDAMP per channel.
  - NXAMP4x4mk2 Powered DTDcontroller + DTDAMP per channel.

### Recommended powering solutions

- **ePS / eLS cabinets**
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