Stage Monitoring Solutions
From the concert stage to a global broadcast event

Powerful, flexible and directional monitoring for every application

Building on a global reputation for innovation in sound reinforcement systems for concerts and live events, NEXO stage monitoring solutions combine compact design, powerful sound and precision coverage with an unparalleled degree of versatility, delivering an excellent return on investment for sound contractors and rental companies.

The ultra-compact ID Series and point source P+ wedges include ingenious features for quickly changing dispersion characteristics, making it easy to optimise coverage for every musician on the stage without having to pre-configure cabinets before the show. And the groundbreaking NEXO 45ºN12 applies patented technology to create the world’s first arrayable wedge monitor, achieving exceptionally precise coverage in both vertical and horizontal planes.

All NEXO monitors share the characteristics of high headroom before feedback, with compact and cost-effective amplification and processing provided by NEXO’s 4-channel NXAMP2 powered processors. With phase aligned presets for every cabinet and with every dispersion setting, it’s easy to quickly configure complex stage monitoring solutions combining cabinets from different NEXO ranges.

Compact, low-profile cabinets make NEXO monitors a first choice for prestigious global live events broadcasts. And NEXO’s range of software tools includes the NeMo iOS app for the remote control and management of NEXO systems including monitors, completing a comprehensive monitoring solution that enhances both the experience of the performers, and the sound professionals running the show.
Flexible wedge monitoring
With variable HF coverage

Building on NEXO’s acclaimed expertise in compact, high-output, point source loudspeakers, P+ Series wedge monitors deliver pristine, full-range sound along with unparalleled versatility, thanks to an ingenious system for varying HF dispersion patterns for precise coverage of all types of musician, along with very high headroom before feedback.

P12 and P15 loudspeakers employ custom 12 and 15-inch LF/HF drivers in a coaxial configuration to deliver perfect phase alignment, exceptional clarity and a smooth response across the full frequency range. Cabinets can be used in both Active and Passive modes, and can also be pole mounted and for FOH, further enhancing versatility.

Dedicated L15 and L18 partner subs extend low frequency response down to 40Hz and 32Hz respectively. Subs are the same width as their corresponding main cabinets making it easy to configure drum and DJ monitoring systems, and side-fills.

Key Technologies

Narrow for guitarists or wide for brass sections, the dispersion characteristics of the P12 and P15 can be changed in seconds through the addition of optional magnetic flanges. The standard cabinets use a 60º x 60º horn with additional 90º x 40º and Asymmetrical (PS Type) 60º - 100º x 40º flanges also available. Changing the flanges is easy and requires no tools – the quick-release steel grille can be removed in seconds providing full access.

Connectivity is made easy by Speakon connectors recessed in the handles on both sides of the cabinet, in addition a pair of connectors on the rear panel.

Dispersion characteristics can be changed quickly without the need for tools.

Key Features

- 139dB Peak SPL
  (P15 / Passive Mode)
- Dedicated L15 / L18 subs for drum / DJ monitoring
- Asymmetrical (PS Type) HF flanges
- Low-profile cabinets
- Coaxial, long-exursion drivers
- Active / Passive modes

Drum / DJ Monitors

Dedicated L15 and L18 partner subs extend low frequency response down to 40Hz and 32Hz respectively. Subs are the same width as their corresponding main cabinets making it easy to configure drum and DJ monitoring systems, and side-fills.

Typical Systems

- Drum Fill: P12 wedge with standard horn on L15 sub
- Brass Section Monitors: P12 wedges with 90° x 40° horn for narrow/horizontal coverage
- Side Fills: P12 wedges (standard horn) on L15 sub on each side
- Monitor System: 1 x P12 Wedge on 1 x L15 Sub (Drum Fill) + 2 x P12 Wedges powered by NXAMP4X1MK2

NEXO NXAMP4X2MK2 Powered Controllers combine 4-channel amplification with phase-coherent processing presets for all NEXO cabinets, making it easy to configure P+ Series stage monitoring systems, or systems combining cabinets from other NEXO ranges.
The Stage Monitor, Redefined
Maximum level without feedback

The revolutionary NEXO 45ºN12 brings all the benefits of line array technology to stage monitoring. Incorporating several ground-breaking technologies, the 45ºN12 provides musicians, contractors and rental companies with a single, scalable solution to all their monitoring requirements.

Alongside the obvious benefits of a ‘one box’ inventory, the 45ºN12 delivers extraordinary directivity and consistency of coverage, plus very high level before feedback. And if you need more SPL and wider coverage, just lock cabinets together to create monitor arrays.

The 45ºN12 incorporates an innovative magnetic locking system, so it’s easy to lock cabinets together to create monitor arrays where more SPL and wider coverage are needed, for instance in stereo pairs which are perfect for vocalists.

45ºN12 monitoring systems are easily scalable and highly directional. High Frequency dispersion is 30º horizontal, 22.5º diagonal (coupling plane) and 60º vertical (asymmetrical -45º / +15º). Horizontal and diagonal dispersion is scalable in steps of 30º and 22.5º respectively when arrayed. And because SPL and frequency response are consistent up to 2.5 metres, musicians enjoy a new-found level of freedom to move around on stage, without compromising the quality of their monitoring.

Because the coverage is so focused, monitoring with the 45ºN12 often results in lower acoustic power on stage, making it easier to achieve a good front of house mix. The compact, low-profile design is less conspicuous than conventional monitors, making the 45ºN12 ideal for live TV production, and the cabinet features a non-slip base with a skid system and ergonomic handle for easy repositioning on stage.

Key Technologies
The revolutionary design of the 45ºN12 effectively locates the point source behind and beneath the cabinet, enabling the waveguide to radiate the high frequency at 45º.

And unlike a conventional waveguide in which the exit is rectangular, the NEXO 45ºN12’s waveguide forms a smile. This takes into account the curvature at the surface of the virtual sphere at which the point source is at the centre. By creating a virtual acoustic source behind the cabinet and beneath the stage, there’s no interference between wavefronts when cabinets are locked together to form monitor arrays.

Discreet monitoring for live events broadcasts
Because the coverage is so focused, monitoring with the 45ºN12 often results in lower acoustic power on stage, making it easier to achieve a good front of house mix. The compact, low-profile design is less conspicuous than conventional monitors, making the 45ºN12 ideal for live TV production, and the cabinet features a non-slip base with a skid system and ergonomic handle for easy repositioning on stage.

NEXO NXAMP4X2MK2 Powered Controllers combine 4-channel amplification with phase-coherent processing presets for all NEXO cabinets, making it easy to configure 45ºN12 stage monitoring systems, or systems combining cabinets from other NEXO ranges.

Typical Systems
Guitarist/Vocalist Monitor
Drum Monitors
Keyboard Monitors

Monitor System: 4 x 45ºN12 powered by NXAMP4X2MK2
Ultra-Compact Monitoring

Powerful, full range sound, right where it’s needed

A versatile, powerful and compact monitor, the ID24 measures just 132mm x 309mm x 233mm (5.2" x 12.2" x 9.2") and weighs only 6kg (13lbs). The ID24 uses twin 4 inch drivers in a V formation in a robust Polyurethane cabinet and achieves a frequency range of 95Hz to 20kHz with a peak SPL of 126dB.

Central to its versatility is a unique, user-rotatable horn that can be used to quickly select a range of HF directivity options, ensuring precision coverage of all types of musicians and performers, without the need to pre-configure cabinets before the show. No tools are required just a coin to adjust the horn rotator on the back panel.

Tough, kick-proof grilles complete a highly effective and discreet monitoring solution that puts powerful, full range sound right where it’s needed.

Key Technologies

To ensure precision coverage, the ID24 features a unique, user-rotatable horn that lets users select between 120º x 40º or 40º x 120º HF coverage, bringing unparalleled flexibility to the world of compact stage monitoring. And the versatility of the ID24 is further enhanced by a selection of horn options with dispersions including 60º x 60º, 90º x 40º, 120º x 40º and 120º x 60º.

The ID14 can be specified with a standard 100º x 100º horn, or as an asymmetric version with 90º x 140º dispersion.

Personal Monitoring

Measuring just 130mm x 130mm x 120mm (5.1" x 5.1" x 4.7") and weighing only 1.7kg (3.7lbs), the ID14 can be mounted on a microphone stand to create a powerful and ultra-compact personal monitoring system. A choice of dispersal options ensures precision coverage, while a choice of black, white or custom colours enable cabinets to blend more seamlessly into stage and set designs.

NEXO NXM/XM2 Powered Controllers combine 4-channel amplification with phase-coherent processing presets for all NEXO cabinets, making it easy to configure ID Series stage monitoring systems, or systems combining cabinets from other NEXO ranges.
Specifications

WITH NEXO PROCESSING

<table>
<thead>
<tr>
<th>P12</th>
<th>P15</th>
<th>L10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response @ -6 dB</td>
<td>60 Hz to 20 kHz</td>
<td>60 Hz to 20 kHz</td>
</tr>
<tr>
<td>Sensitivity 1W/1m</td>
<td>107 dB</td>
<td>139 dB SPL Nominal</td>
</tr>
<tr>
<td>Peak SPL @1m</td>
<td>139 dB Peak (Passive mode) / 140 dB Peak (Active mode)</td>
<td>139 dB Peak (Passive mode) / 141 dB Peak (Active mode)</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>55 Vrms (150 Vpeak)</td>
<td>55 Vrms (150 Vpeak)</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>8 Ω</td>
<td>8 Ω</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>LF: 2x4&quot; – Long excursion – Neodymium / HF: 1&quot; voice coil ½&quot; throat – Neodymium magnet / LF: 1 x 12&quot; high excursion &amp; HF: 1 x 3&quot; voice coil, 1.4&quot; throat Neodymium 164A compression driver on a 22.5° hyperboloidal reflective wavesource.</td>
<td>LF: 1 x 12&quot; (30 cm) high excursion Neodymium 164B driver. HF: 1 x 3&quot; voice coil, 1.4&quot; throat Neodymium 164A compression driver on a 22.5° hyperboloidal reflective wavesource.</td>
</tr>
<tr>
<td>Material</td>
<td>Custom made bent plywood of baltic birch and poplar</td>
<td>Custom made bent plywood of baltic birch and poplar</td>
</tr>
<tr>
<td>Dimensions</td>
<td>15.43&quot; x 19.37&quot; x 22.67&quot;</td>
<td>15.39&quot; x 19.37&quot; x 22.67&quot;</td>
</tr>
<tr>
<td>Recommended power solution</td>
<td>NXAMP4x2mk2 Powered TDcontroller: 2 units: 140 to 143 dB Peak</td>
<td>NXAMP4x1mk2 Powered TDcontroller: 2 units: 140 to 143 dB Peak</td>
</tr>
</tbody>
</table>

WITH NEXO PROCESSING

<table>
<thead>
<tr>
<th>40”x12</th>
<th>ID14</th>
<th>ID24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response @ -6 dB</td>
<td>59 Hz - 191 Hz ±3 dB</td>
<td>120 Hz to 20 kHz</td>
</tr>
<tr>
<td>Sensitivity 1W/1m</td>
<td>106 dB SPL Nominal / 106 dB SPL (rated)</td>
<td>95 dB</td>
</tr>
<tr>
<td>Peak SPL @1m</td>
<td>1 unit: 137 to 140 dB Peak / 2 units: 140 to 143 dB Peak</td>
<td>116 dB</td>
</tr>
<tr>
<td>HF Dispersion (according to flange)</td>
<td>30° Horizontal - Scalable 30° steps when arrayed, 22.5° Diagonal (Coupling Plane) - Scalable 22.5° steps when arrayed. 60° Vertical (Asymmetrical 90° / 15°)</td>
<td>100° x 100° or 90° x 140°</td>
</tr>
<tr>
<td>Crossover Frequency</td>
<td>LF: 24&quot; – Long excursion – Neodymium 164B magnet / LF: NeoActive® / Passive: 164B</td>
<td>120, 150 Hz</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>Active LF 164Q / Passive 164Q</td>
<td>16 Ω</td>
</tr>
<tr>
<td>Recommended power solution</td>
<td>Active LF 1000 to 1500 W (4) / HF 250 to 500 W (4) / ID14: 200 to 2000 W (4) Passive: 1200 to 2000 W (4)</td>
<td>110 to 180 Watts / 16 Ohms requires a 220 to 360 Watts / 8 Ohms amplifier</td>
</tr>
<tr>
<td>Dimensions</td>
<td>439mm x 550mm x 650 mm</td>
<td>130 mm x 130 mm x 120 mm</td>
</tr>
<tr>
<td>Material</td>
<td>Water-resistant Polyurethane</td>
<td>Water-resistant Polyurethane</td>
</tr>
<tr>
<td>Height x Width x Depth</td>
<td>132 x 309 x 233mm</td>
<td>130 x 130 x 120 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.7 kg (3.7 lb)</td>
<td>6 kg (13 lb)</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>0°C - 40°C (32°F - 104°F)</td>
<td>0°C - 40°C (32°F - 104°F)</td>
</tr>
<tr>
<td>Storage temperature range</td>
<td>-20°C - 60°C (4°F - 140°F)</td>
<td>-20°C - 60°C (4°F - 140°F)</td>
</tr>
</tbody>
</table>

SYSTEM OPERATION

Recommended powering solution | DTDcontroller = STDAMP4x4:7 / up to 4 x ID14 per channel | DTDcontroller = STDAMP4x4:7 / up to 4 x ID14 per channel | DTDcontroller = STDAMP4x4:7 / up to 4 x ID14 per channel |