

Nexus XL

Key features:

- Single high power 21" transducer
- Five resonant chambers
- Very high efficiency
- Fast transient response

Applications:

- High impact nightclub
- VIP room
- Bar, club, lounge



Applying the five resonant chamber theory used in the ever-popular Stasys X, further refining this design principle has led to previously unimagined levels of performance. The Nexus XL has it all, with its impressive transient response and articulation, plus exceptionally high levels of efficiency, power handling and extended low frequency response. Well suited to modern styles of music, it still retains the efficiency and extended low frequency response that only a very large transducer can provide. For lower power handling, the Nexus XL serves as an alternative to the Nexus X and is to be used with the Nexus Q upper bass enclosure.

Specifications

Frequency Response	30 Hz - 150 Hz \pm 3dB
Efficiency ¹	104 dB 1W/1m
Crossover Points	Hi Pass 30 Hz - 24 dB/oct
Nominal Impedance	8 Ω
Power Handling ²	2000 W AES
Maximum Output ³	135 dB cont; 141 dB peak
Driver Configuration	1 x 21"
Dispersion	Array dependant
Connectors	2 x 4-pole speakON™
Weight	90 kg (198.4 lbs)
Finish	Textured 'TourCoat' polyurea

¹ Measured in half space ² AES2 - 1984 compliant ³ Calculated

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Architectural specifications

The loudspeaker shall be an active bandpass sub bass system consisting of a single high power 21" (533.4 mm), long excursion, low frequency (LF) transducers mounted in a rectangular enclosure.

The low frequency transducers shall be constructed on a cast aluminium frame, with a treated paper cone, dual 152.4 (6") voice coil, wound with copper wires on a high quality voice coil former and a neodymium magnet for high power handling and long-term reliability.

Performance specifications for a typical production unit shall be as follows: the usable bandwidth shall be 30 Hz to 150 Hz (± 3 dB) and have a maximum SPL of 141 dB peak (135 dB continuous) measured at 1 m using IEC268-5 pink noise. Power handling shall be 2000 W AES at a rated impedance of 8 Ω and a pressure sensitivity of 104

dB measured at 1W/1m. The system shall be powered by its own dedicated power amplification module with DSP management. The wiring connection shall be via two Neutrik speakON™ NL4 (one for input and one for loop-out to another speaker), to allow for pre-wiring of the connector before installation.

The enclosure shall be constructed from a 18 mm multi-laminate birch plywood finished in a textured polyurea and shall contain fixture points for a pressed steel, powder coated grille to protect the horn path from object ingress. The cabinet shall have eight handles (four per side) for efficient manual handling. External dimensions of (H) 754 mm x (W) 738 mm x (D) 860 mm (29.7" x 29" x 33.9"). Weight shall be 90 kg (198.4 lbs).

The loudspeaker shall be the Void Acoustics Nexus XL.

