

# Nexus X

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## Key features:

- 8 x 12" Low Frequency Enclosure
- 8,000 Watts
- Eight 12" transducers
- Very low distortion
- Highly efficient
- Compact
- Minimal resonance
- Dual Neutrik speakON™ NL4s provided for driver connections

## Applications:

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



The 8,000 Watt Nexus X serves the lower spectrum of the Nexus low frequency system. It does this with unmatched displacement, via its eight 12" drivers, each capable of extreme excursion with very low distortion. Efficiency is also off the charts thanks to the multiple transducers working in unison in an optimally designed, yet deceptively compact enclosure, using the latest in material technology to assist in minimising resonances.

## Specifications

Frequency Response	36 Hz - 100 Hz -3dB
Efficiency <sup>1</sup>	108 dB 1W/1m
Crossover Points	70 Hz
Nominal Impedance	2 x 4 $\Omega$
Power Handling <sup>2</sup>	2 x 4000 W AES
Maximum Output <sup>3</sup>	146 dB cont 152 dB peak
Driver Configuration	8 x 12" neodymium
Dispersion	Array dependant
Connectors	2 x 4-pole speakON™ NL4
Weight	137 kg (302 lbs)
Enclosure	18 mm birch plywood
Finish	Textured 'TourCoat' polyurea
Grille	Perforated steel

<sup>1</sup> Measured in half space <sup>2</sup> AES2 - 1984 compliant <sup>3</sup> Calculated

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## Architectural specifications

The loudspeaker shall be an active manifold bandpass sub system consisting of eight high power 12" (300 mm), long excursion, low frequency (LF) transducers mounted in a square enclosure.

Each low frequency transducer shall be constructed on a cast aluminium frame, with a treated paper cone, 101.6 mm (4") voice coil, wound with copper wires on a high quality voice coil former for high power handling and long-term reliability.

Performance specifications for a typical production unit shall be as follows: the usable bandwidth shall be 36 Hz to 100 Hz ( $\pm 3$  dB) and shall have a maximum SPL of 152 dB peak (146 dB continuous) measured at 1 m using IEC268-5 pink noise. Power handling shall be 2 x 4000 W AES at a rated impedance of 2 x 4  $\Omega$ . Pressure sensitivity shall be 108 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 textured polyurea and shall contain fixture points for a pressed steel powder coated grille to protect the front chamber from object ingress. It shall have six handles (two per side and two on the back face) for efficient manual handling - the same as external bracing from machined aluminium which is bolted into the horn mouth using M8 stainless steel bolts.

The external dimensions of the enclosure shall be (H) 746 mm x (W) 738 mm x (D) 860 mm (29.4" x 29" x 33.9"). Weight shall be 137 kg (302 lbs).

The loudspeaker shall be the Void Acoustics Nexus X.

