

SKU Number: XN806-SPKR-0000-7531

Description

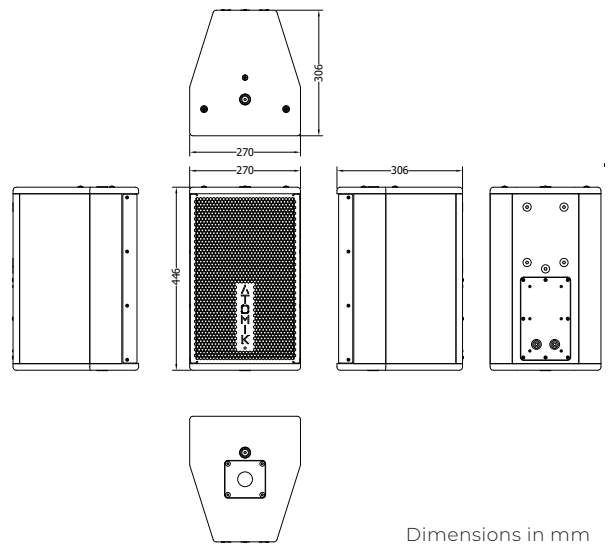
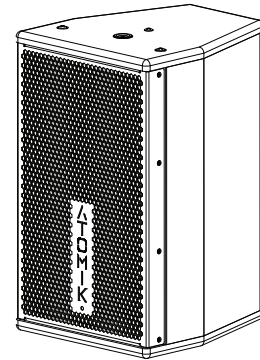
The Atomik XN 8.0.6 is a 2 way passive full range loudspeaker, designed for the pro-audio rental and fixed installation markets. This point source box is a high output loudspeaker with a 1" HF driver on a 80x50 horn and an 8" LF driver, exhibiting excellent low frequency performance for a compact enclosure. It can be used as a standalone speaker or paired with any of the Atomik subwoofers.

Features

- Very high SPL output for a compact 8" full range loudspeaker.
- Exceptional fidelity & high resolution loudspeaker system.
- Very smooth power response.
- High sensitivity design.
- Wide dispersion pattern.
- Dual Neutrik NL4 connectors.
- Easily compatible with the XN 18.0.2 Subwoofer or the XN 218.0.2 Subwoofer.
- Heavy duty 16mm marine plywood enclosure.
- 2mm thick steel grill with an acoustic micro-foam backing.
- 3 x M8 rigging points for easy flying.
- Passive crossover.

Technical specifications

- HF Driver - 1" HF ferrite compression driver with a 44 mm voice coil and polyimide diaphragm.
- LF Driver - 8" LF ferrite driver with a 65.5 mm voice coil.
- HF Horn - 80 x 50 degree nominal coverage pattern, rotatable HF horn.
- Enclosure - Ported
- Axial Sensitivity - 92.0dB @ 1W/1m
- Maximum SPL - 120.0dB Peak SPL (Measured-AES75-2022 M-Noise)  
 126.6dB Peak SPL inf(Measured-AES75-2022 M-Noise)  
 120.0dB SPL peak, 126.6dB SPL peak inf (Unweighted)  
 120.3dB SPL peak, 123.3dB SPL peak inf (A weighted)  
 119.7dB SPL peak, 125.1dB SPL peak inf (C weighted))
- Power - Max 300 watts long term continuous / Peak 600 watts
- Nominal Impedance - 8 ohms 6.7 ohms passive
- Frequency Response - 3dB 60Hz to 18kHz
- Frequency Response - 10dB 50Hz to 20kHz
- Dimensions in mm & in WxHxD - 270mm x 448mm x 306mm,  
 10.6" x 17.6" x 12"
- Weight -15.38kg / 33.9lbs



Accessories

- Pan Tilt Clamp
- Swivel Clamp
- C-Clamp

Applications

- Rental
- HOW
- Clubs

Accessories

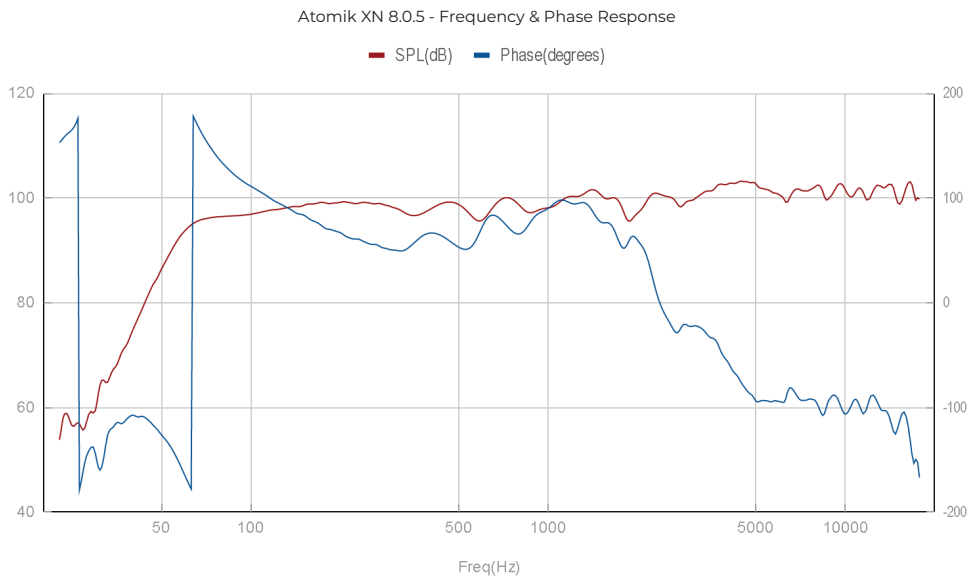
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- Weatherproof Sleeve
- Ceiling Bracket
- Top Hat

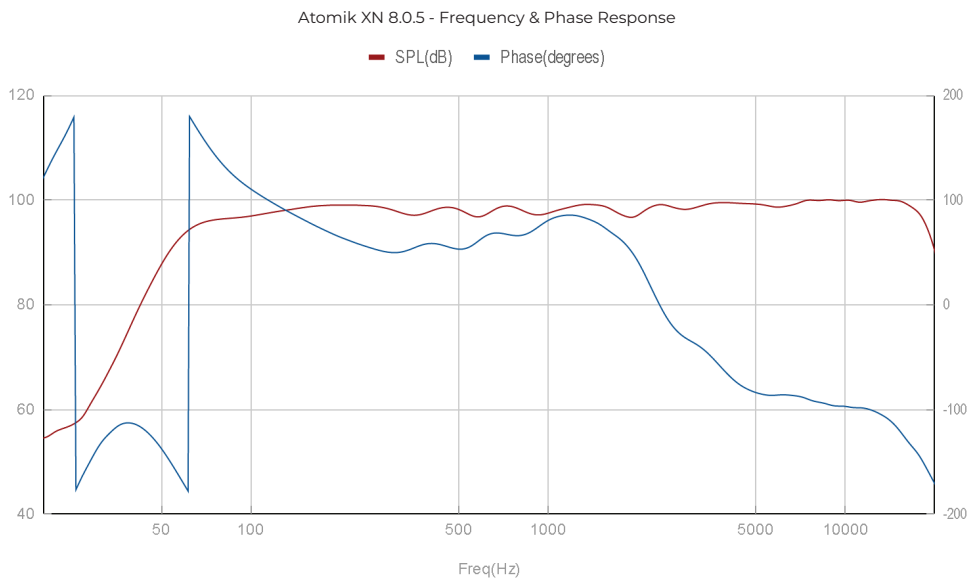
Applications

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- Bars
- Restaurants
- Auditoriums

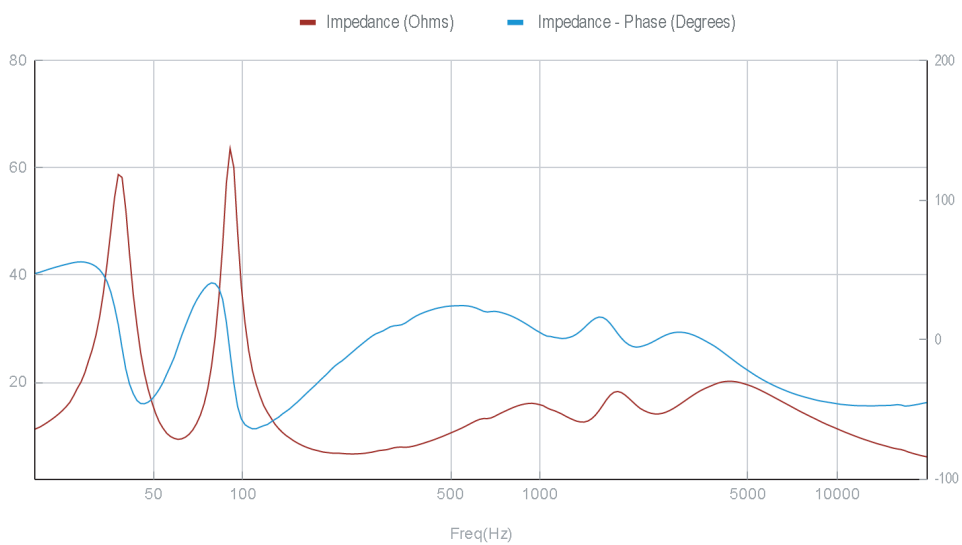


Frequency & Phase Response - Raw

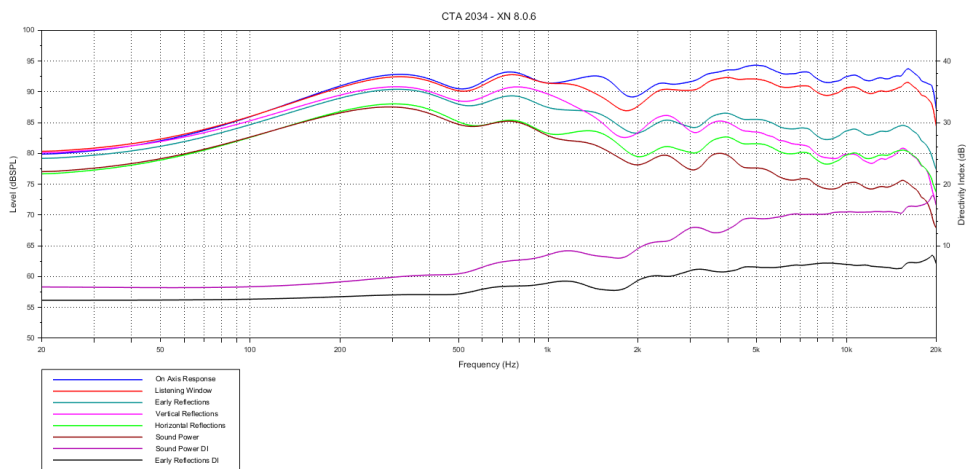


Frequency & Phase Response - Processed

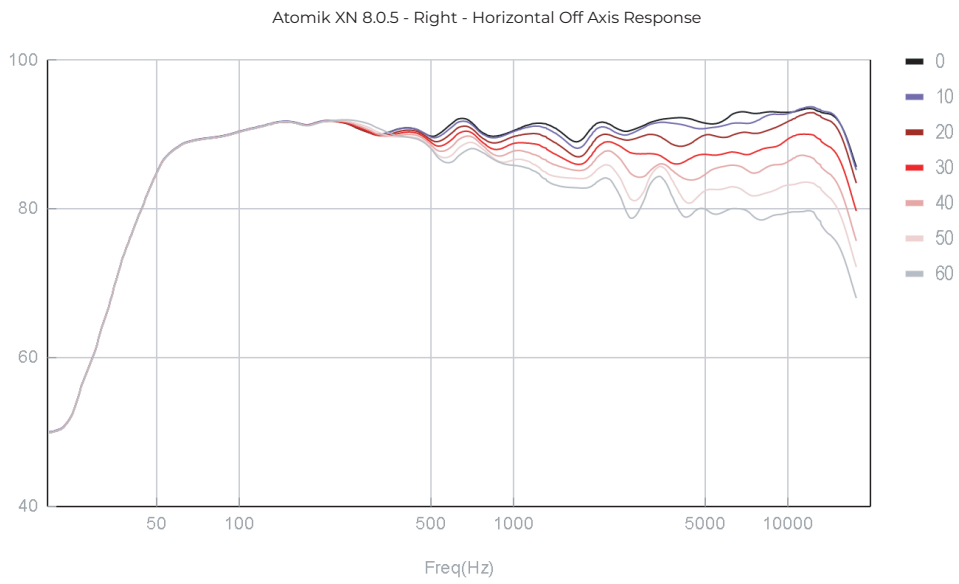
Atomik XN 8.0.5 - Impedance & Phase Response



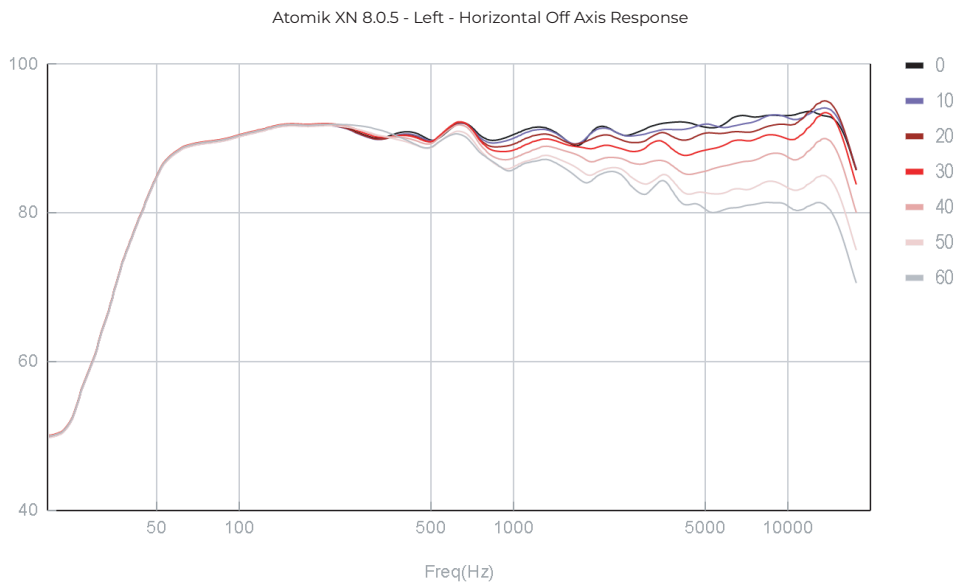
Impedance & Phase Response



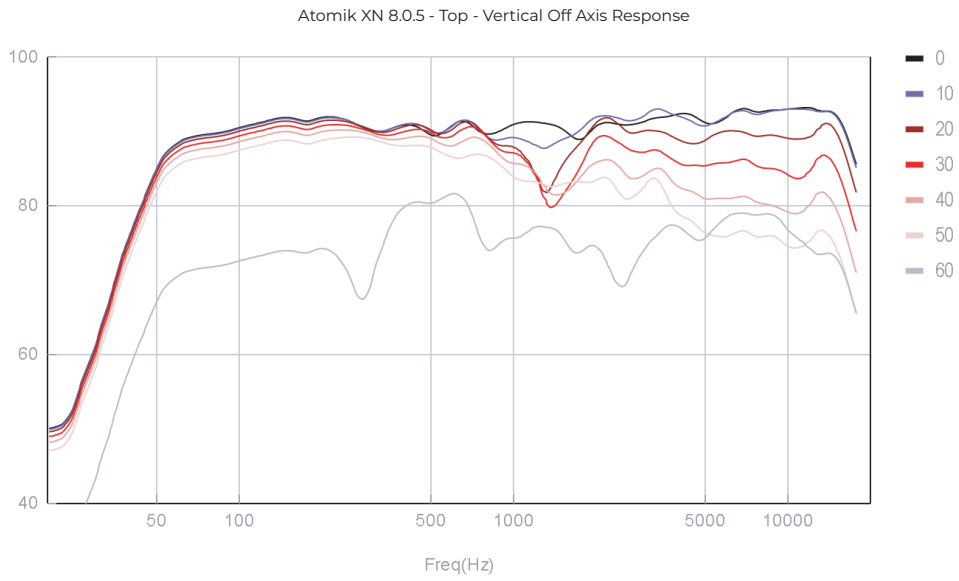
CTA 2034 - XN 8.0.6



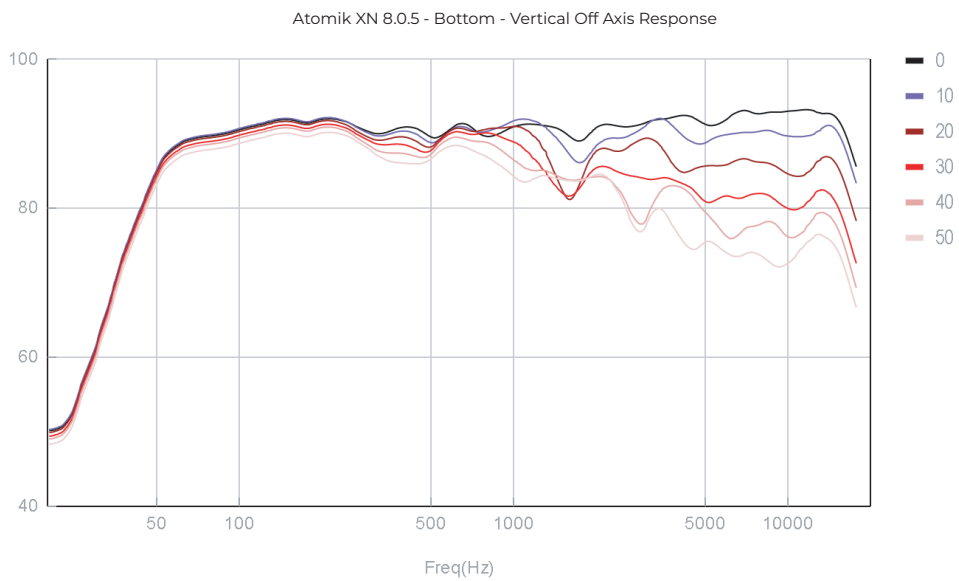
Right - Horizontal Off Axis Response



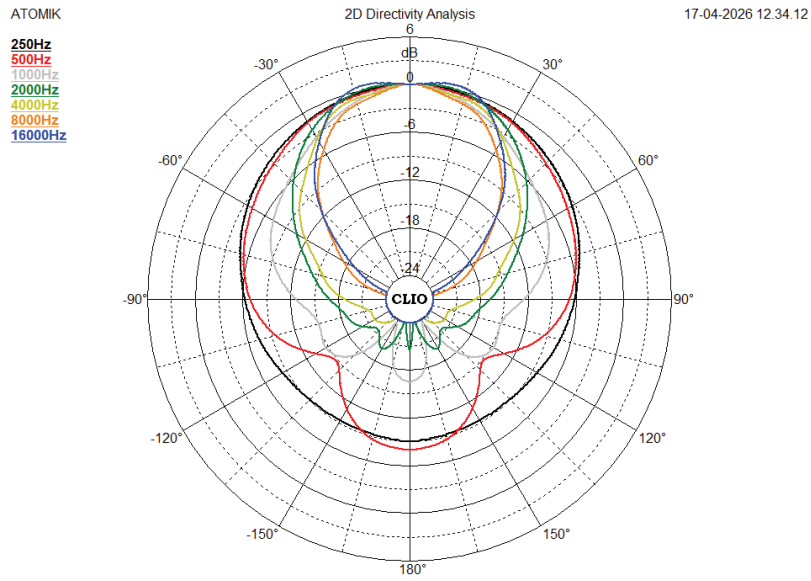
Left - Horizontal Off Axis Response



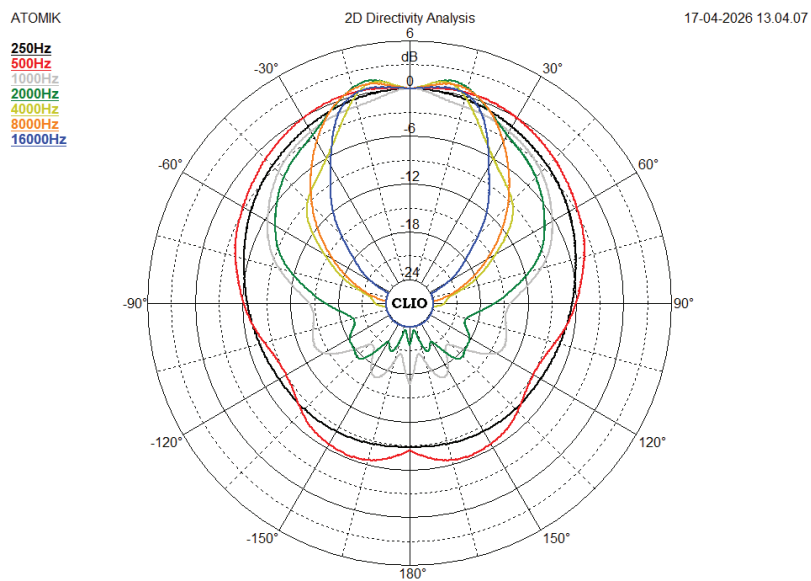
Top - Vertical Off Axis Response



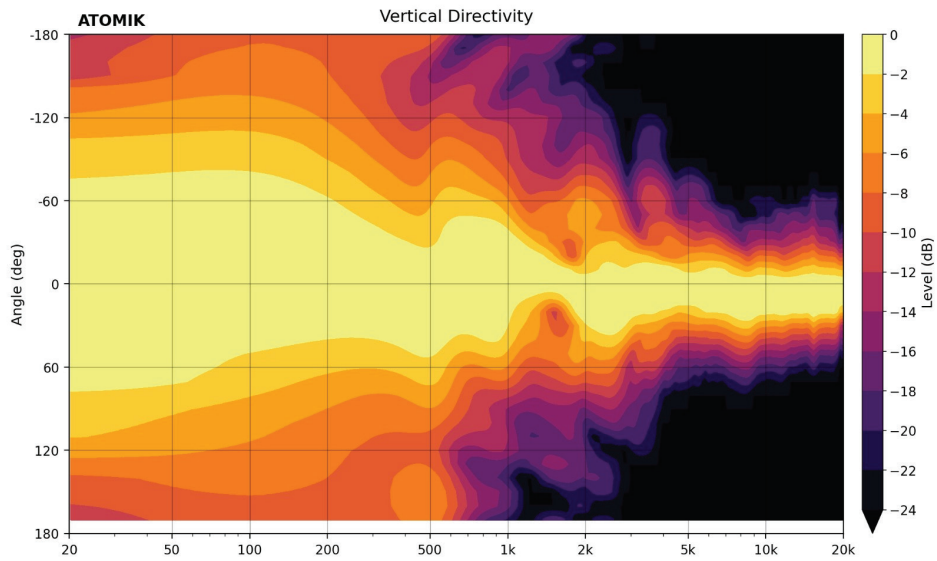
Bottom - Vertical Off Axis Response



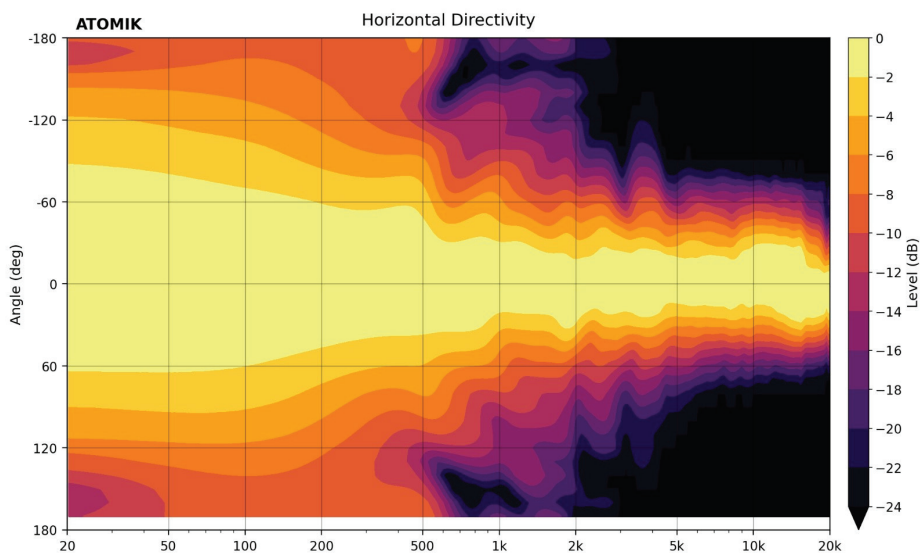
Top - Vertical Off Axis Response



Bottom - Vertical Off Axis Response



Vertical - 2D Directivity Analysis



Horizontal - 2D Directivity Analysis