

# Stasys 2

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## Key features:

- Front of house or floor monitoring applications
- Pole mount socket
- Flytrax flying system
- Rotatable HF waveguide

## Applications:

- Bar, club, lounge
- Live music venues
- Corporate and AV
- Stage monitoring



The Stasys 2 is the ideal solution for small to medium-sized live sound tour productions and as a front-of-house system in smaller fixed venues and theatres. Equipped with a multipoint Flytrax flying system and a top hat, it effectively doubles as a foldback monitor. The carefully selected components and well-designed passive crossover give the Stasys 2 a frequency response free from any peaks or resonances, enabling higher than average output levels before feedback.

## Specifications

Frequency response	55 Hz - 20 kHz $\pm 3$ dB
Efficiency <sup>1</sup>	99 dB 1W/1m
Crossover points	2.1 kHz passive, active available via selector switch
Nominal impedance	8 $\Omega$
Power handling <sup>2</sup>	500 W AES
Maximum output <sup>3</sup>	127 dB cont, 130 dB peak
Driver configuration	1 x 12" LF, 1 x 1.5" HF compression driver
Dispersion	90°H x 50°V rotatable
Connectors	2 x 4-pole speakON™ NL4
Weight	27 kg (59.5 lbs)
Enclosure	18 mm 13-laminate plywood
Rigging	Multi-point flytrax
Finish	Textured polyurea
Grille	Perforated steel with foam filter

<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 a passive two-way system consisting of one high power 12" (250 mm), direct radiating, reflex loaded, low frequency (LF) transducer and 1.5" (38.1 mm) diameter (HF) compression driver mounted on a user rotatable constant directivity horn mounted in a trapezoidal enclosure.

The low frequency transducer shall be constructed on a cast aluminium frame, with a treated paper cone, 50.8 mm (2") voice coil, wound with copper wires on a high quality voice coil former, for high power handling and long-term reliability. The high frequency transducer shall project its sound through a high precision constant directivity rotatable waveguide with a 150 mm (6") baffle diameter to achieve pattern control and low distortion.

Performance specifications for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 55 Hz to 20 kHz ( $\pm 3$  dB) and shall average 90° directivity pattern on the horizontal axis and 50° on the vertical one (-6 dB down from on-axis level) from 1kHz to 12 kHz. Maximum SPL shall be

130 dB peak measured at 1 m using IEC268-5 pink noise. Power handling shall be 500W AES at a rated impedance of 8  $\Omega$ . Crossover point shall be at 2.1 kHz using a 3rd order filter (18 dB per octave). 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 of a trapezoidal shape constructed from a 18 mm 13-laminate birch plywood with a textured polyurethane finish and shall contain fixture points for a pressed weather-resistant, powder coated steel grille with foam filter to protect the transducers. The cabinet shall have a multi-point flytrax for rigging and with external dimensions of (W) 370 mm x (H) 620 mm x (D) 375 mm (14.6" x 24.4" x 14.8"). Weight shall be 27 kg (59.5 lbs).

The loudspeaker shall be the Void Acoustics Stasys 2.

