

VECTOR SUBS18

Vector™ 18" Performance Subwoofer

- > A professional performance subwoofer for use with Vector™ Performance Loudspeakers
- > High-power, long-excursion 18" (457 mm) low-frequency transducer
- > Compact vented enclosure tuned for maximum low-frequency output
- > Delivers superior performance in combination with an Avia™ DSP
- > Precisely tuned for articulate, impactful deep bass response
- > Ruggedly constructed for maximum reliability
- > Concealed M10 mounting points
- > Forged shoulder eyebolts available separately
- > Neutrik® speakON® input and pass-through connections

The Vector™ SUBS18 is a direct-radiating, vented subwoofer featuring a single high-power, long-excursion 18" (457 mm) transducer. It is designed to provide extended low frequency support for use with CS and CD series Vector Performance Loudspeakers, and is capable of producing articulate and impactful deep bass response for all types of installed music and multimedia applications.

The Vector SUBS18 requires use with a Crestron Avia™ DSP to ensure rated performance and reliable operation. Its enclosure is optimally tuned to provide maximum low frequency output in a compact package, facilitating placement in tight spaces. Concealed M10 mounting points are included to allow for suspended installation using forged shoulder eyebolts (sold separately).

SPECIFICATIONS

Performance

Transducer: 18 inch (457 mm) woofer with 4 inch (102 mm) voice coil and ceramic magnet

Beamwidth: Spherical

Impedance: 8 Ohms nominal

Frequency Range: 25 to 141 Hz (+3/-10 dB)

Power Handling: 1200 Watts based on the AES power handling of the transducer

Nominal Sensitivity: 100 dB half space, 94 dB whole space, at 1W/1m using band limited pink noise without processing

Nominal Maximum SPL: Half space: 136 dB peak, 130 dB continuous;
Whole space: 130 dB peak, 124 dB continuous;
Measured at 1200W/1m without processing

Equalized Sensitivity: 98 dB half space, 92 dB whole space, at 1W/1m using an EIA-426-B signal with processing

Equalized Maximum SPL: Half space: 135 dB peak, 129 dB continuous;
Whole space: 129 dB peak, 123 dB continuous;
Measured at 1200W/1m with processing



Processing & Amplification

Digital Signal Processing: Requires processing using one output channel of a Crestron Avia DSP, settings provided via model-specific "Speaker Profiles" in the Avia Audio Tool software (SW-AAT)

Amplification: Requires a single channel of amplification

Recommended Amplifier Power: 1200 to 1800 Watts at 8 Ohms

Connections

Input: (2) Neutrik NL4 speakON 4-pole chassis connectors;

Pins 1 +/-: Speaker input and pass-through;

Pins 2 +/-: Pass-through only

Environmental

For indoor use only

Construction

Enclosure: Void-free, exterior grade Baltic Birch plywood; black painted finish

Grille: Steel, black powder coat finish

Suspension: (16) M10 eyebolt angle points (eyebolts sold separately)

Dimensions

Height: 29.75 in (756 mm)

Width: 24.55 in (624 mm)

Depth: 19.62 in (498 mm)

VECTOR SUBS18 Vector™ 18" Performance Subwoofer

Weight

92.0 lb (41.7 kg)

MODELS & ACCESSORIES

Available Models

VECTOR SUBS18: Vector™ 18" Performance Subwoofer

Available Accessories

VECTOR EB10: M10 Forged Shoulder Eyebolt

VECTOR CONN2: Neutrik® NL2 speakON® 2-Pole Cable Connector

VECTOR CONN4: Neutrik® NL4 speakON® 4-Pole Cable Connector

DSP Series: Avia™ Digital Signal Processors

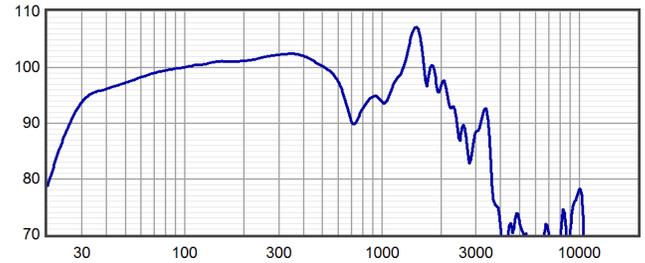
Notes:

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

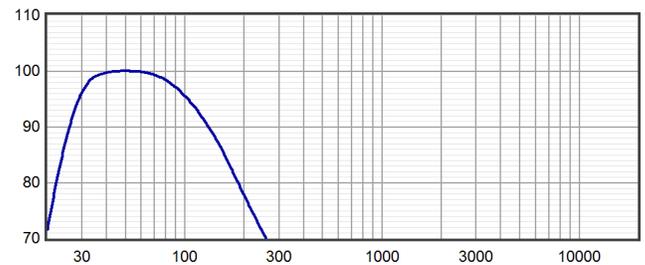
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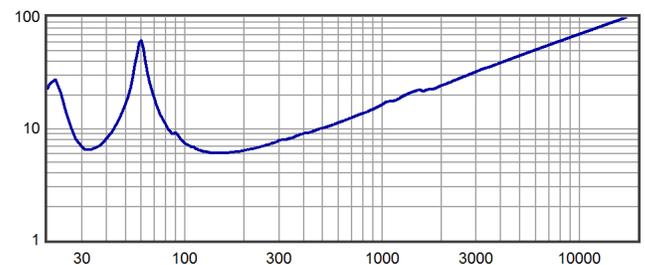
Axial Sensitivity (dB SPL, 1W/1m)

Plotted against frequency for a 1 watt swept sine wave, referenced to 1 m without processing



Axial Processed Response (dB)

The axial magnitude response with processing



Impedance (Ohms)

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