

# VECTOR SUBD18

## Vector™ Dual 18" Performance Subwoofer

- > A professional performance subwoofer for use with Vector™ Performance Loudspeakers
- > Dual high-power, long-excursion 18" (457 mm) low-frequency transducers
- > Low-profile 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
- > Drivable using one or two amplifier channels
- > Ruggedly constructed for maximum reliability
- > Vibration isolation feet
- > Concealed M10 mounting points
- > Forged shoulder eyebolts available separately
- > Neutrik® speakON® input and pass-through connections



The Vector™ SUBD18 is a direct-radiating, vented subwoofer featuring two high-power, long-excursion 18" (457 mm) transducers. 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 SUBD18 requires use with a Crestron [Avia™](#) DSP to ensure rated performance and reliable operation. It can be driven using either one or two amplifier channels. Its enclosure is optimally tuned to provide maximum low frequency output in a low-profile package designed to fit under low stages and other confined spaces. Vibration isolation feet are provided on the bottom, with aligned recesses on top for stacking of multiple units. Concealed M10 mounting points are included to allow for suspended installation using forged shoulder eyebolts (sold separately).

### SPECIFICATIONS

#### Performance

**Transducers:** (2) 18 inch (457 mm) woofers with 4 inch (102 mm) voice coils and ceramic magnets  
**Beamwidth:** Spherical  
**Impedance:** 4 Ohms (or 8 Ohms x2) nominal  
**Frequency Range:** 24 to 152 Hz (+3/-10 dB)  
**Power Handling:** 2400 Watts (or 1200 Watts x2) based on the AES power handling of the transducers  
**Nominal Sensitivity:** 103 dB half space, 97 dB whole space, at 1W/1m using band limited pink noise without processing  
**Nominal Maximum SPL:** Half space: 143 dB peak, 137 dB continuous;  
Whole space: 137 dB peak, 131 dB continuous;  
Measured at 2400W/1m without processing  
**Equalized Sensitivity:** 102 dB half space, 96 dB whole space, at 1W/1m using an EIA-426-B signal with processing

**Equalized Maximum SPL:** Half space: 141 dB peak, 135 dB continuous;  
Whole space: 135 dB peak, 129 dB continuous;  
Measured at 2400W/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 either one or two channels of amplification  
**Recommended Amplifier Power:** 2400 to 3600 Watts at 4 Ohms (or 1200 to 1800 Watts at 8 Ohms x2)

#### Connections

**Input:** (2) Neutrik NL4 speakON 4-pole chassis connectors;  
Pins 1 +/-: Speaker one input and pass-through;  
Pins 2 +/-: Speaker two input and pass-through

#### Environmental

For indoor use only

#### Construction

**Enclosure:** Void-free, exterior grade Baltic Birch plywood; black painted finish  
**Grille:** Steel, black powder coat finish  
**Floor/Stacking:** (4) Vibration isolation feet on bottom, (4) foot recesses on top  
**Suspension:** (12) M10 eyebolt angle points (eyebolts sold separately)

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## Dimensions

**Height:** 20.65 in (524 mm)  
**Width:** 45.00 in (1143 mm)  
**Depth:** 30.00 in (762 mm)

## Weight

163.0 lb (73.9 kg)

## MODELS & ACCESSORIES

### Available Models

**VECTOR SUBD18:** Vector™ Dual 18" Performance Subwoofer

### Available Accessories

**VECTOR EB10:** M10 Forged Shoulder Eyebolt  
**VECTOR CONN4:** Neutrik® NL4 speakON® 4-Pole Cable Connector  
**DSP Series:** Avia™ Digital Signal Processors

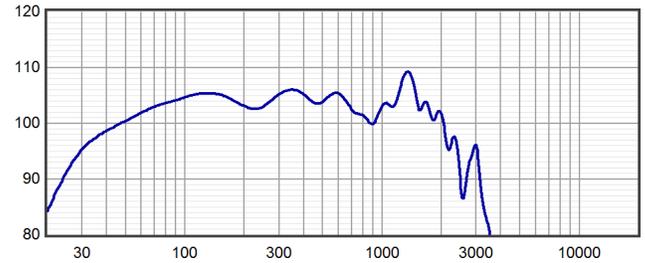
#### Notes:

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](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

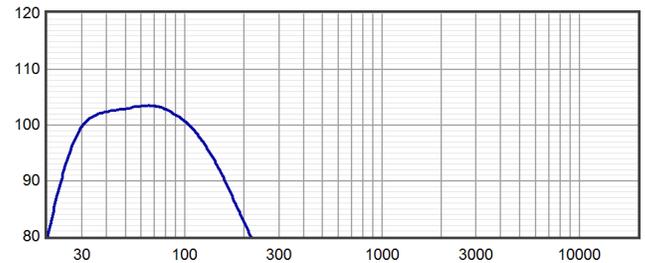
Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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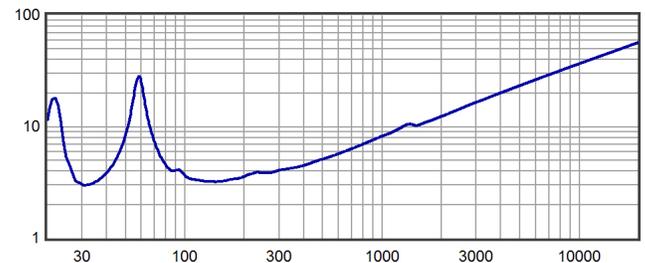
**Axial Sensitivity (dB SPL, 1W/1m)**

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



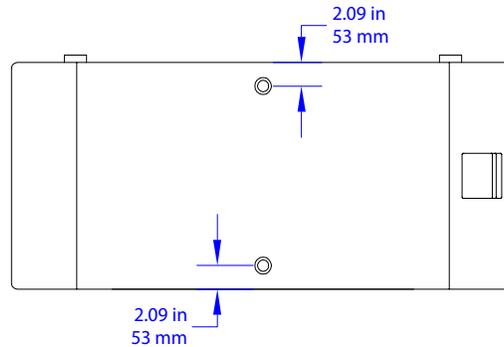
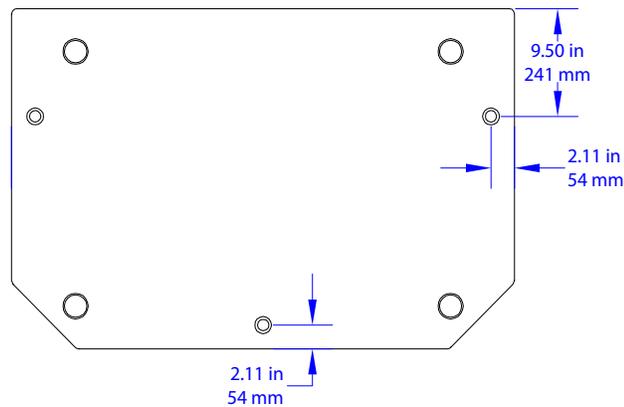
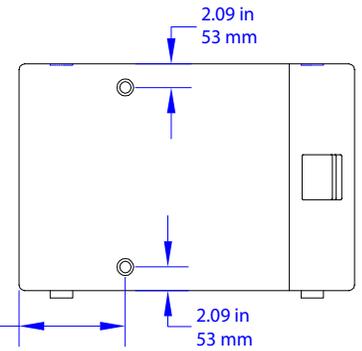
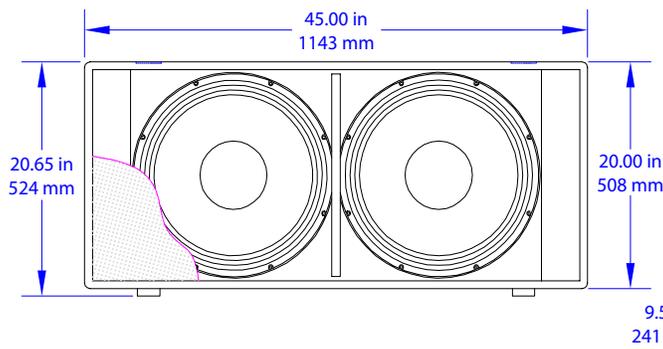
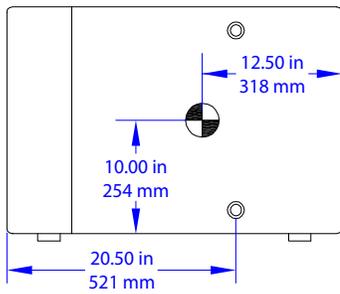
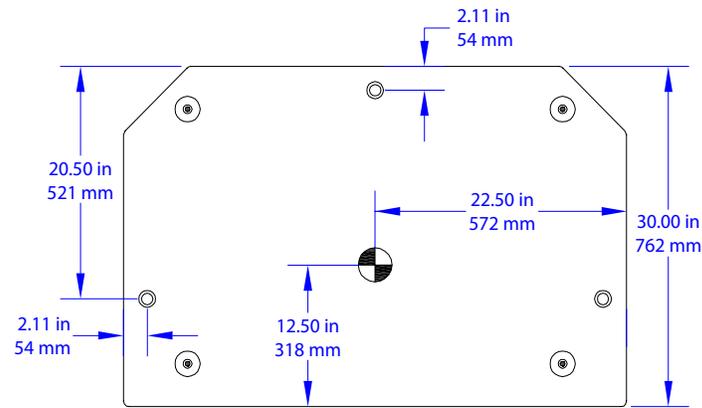
**Axial Processed Response (dB)**

The axial magnitude response with processing



**Impedance (Ohms)**

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### Symbol Key:

- ⊙ = M10 Eyebolt angle point
- = Vibration isolation foot
- ⊙ = Foot recess for stacking
- ⊙ = CoG