Key Features:
- Two-Way Mid-high Design, with horn-loaded midrange for nominal 60° x 40° pattern control
- Mid-high waveguide is rotatable allowing for horizontal enclosure orientation
- Internal tamper resistant selector enables Passive or Bi-amp operation
- Trapezoidal enclosure for easy cluster arrangements
- DuraFlex finish, tough, weather resistant and paintable
- 12 Suspension points (M10 Thread)

The model VS2110 is a mid-high boxed system that provides maximum SPL, all in a single compact package that can be configured with other Venue Series systems. With nominal 60° coverage pattern, systems can be splayed together for increased coverage and/or SPL requirements. A newly designed rotatable mid-high frequency waveguide, designed using the principles of Optimized Aperture™, coupled with a 8” mid-cone driver and the 2426H, deliver clear, controlled highs and extended mid-pattern control resulting in exceptional clarity and projection.

The VS2110 is equipped with a passive crossover. It can be switched to bi-amped use via an easily accessible internal tamper resistant selector. Bi-amped mode, utilizing the DSC260 digital controller for crossover, signal alignment and equalization functions, provides optimum system performance.

The VS2110 is part of the JBL Venue Series, a family of modular loudspeaker systems designed for fixed installation applications ranging from speech reinforcement to large scale music productions. All models are fitted with suspension points that accept M10 threads. The enclosures are coated with a hard wearing, weather resistant, textured finish DuraFlex. Premium 13 ply wood and an 18 gauge steel, foam backed grille enable the Venue Series system to comply with environmental test specifications.

Components:
- The VS2110 utilizes a newly designed Optimized Aperture mid-high waveguide. A high performance JBL 8” cone midrange driver rear loaded with Thermal Transfer chamber, and the 1” exit 2426H compression driver are coupled to a newly designed Optimized Aperture Mid/HF waveguide. The Optimized Aperture waveguide provides lower throat distortion and extended midrange pattern control and together with the transducers exhibit excellent projection and exceptional clarity. The cone transducer has been treated for weather resistance.

Specifications:

System:
- Freq. Range (-10 dB): 170 Hz - 18 kHz
- Freq. Response (-3 dB): 220 Hz - 13 kHz
- Horz. Coverage Angle (-6 dB): 65° averaged 500 Hz to 16 kHz
- Vert. Coverage Angle (-6 dB): 50° averaged 500 Hz to 16 kHz
- Directivity Factor (Q): 13.6 averaged 500 Hz to 16 kHz
- Directivity Index (DI): 11.3 dB averaged 500 Hz to 16 kHz
- System Sensitivity: 105 dB, 1 W @ 1 m (3.3 ft)
- Rated Maximum SPL: 135 dB, @ 1 m (3.3 ft)
- System Nominal Impedance: 8 Ohms
- System Input Power Rating: 150 W, IEC, 600 W Peak
- Recommended Amplifier: 400 W
- Recommended Controller: DSC260
- Passive Crossover: 1.6 kHz

Transducers:
- Mid-Frequency: M209-8A; 203 mm (8 in) dia., 50 mm (2 in) edgedound ribbon voice coil
- Input Power Rating: 150 W, AES, 600 W Peak
- Sensitivity: 105 dB, 1 W @ 1 m (3.3 ft)
- Calculated Maximum SPL: 134 dB, @ 1 m (3.3 ft)
- Recommended Amplifier: 300 W
- High-Frequency: 2426H; 44 mm (1.75”) diaphragm and voice coil dia., 25 mm (1") throat dia.
- Input Power Rating: 50 W, AES, 200 W Peak
- Sensitivity: 111 dB, 1 W, @ 1m (3.3 ft)
- Calculated Maximum SPL: 134 dB, @ 1 m (3.3 ft)
- Recommended Amplifier: 80 W

Physical:
- Enclosure: Trapezoidal, 22.5° side angles, birch plywood
- Environmental Specifications: Mil-Std 810, IPX4 per IEC 529
- Suspension Attachment: 12 points, accepts M10 threaded hardware
- Finish: Black DuraFlex coating
- Grille: Black powder coated zinc treated 18 gauge perforated steel grille with foam backing
- Input Connectors: 2 x NL8 Neutrik Speakon connectors
- Dimensions: 535 mm x 572 mm x 572 mm (21.00 in x 22.50 in x 22.50 in)
- Net Weight: 29.0 kg (64 lbs.)

1Measured on-axis in the far field with 1 watt (2.83 V RMS @ 8 ohms or 4.0 V RMS @ 16 ohms) input and referenced to 1 meter distance using the inverse square law. Listed sound pressure represents an average from 300 Hz to 16 kHz.
2IEC Spectrum for 2 hours with +6 dB crest factor.
3Recommended Amplifier is a power capability value that should be taken as a guide.

JBL continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.
**VS2110 2 way System**

Frequency response is measured on-axis at a distance referenced to 1 meter at 1-watt using a recommended controller, shown as a half-space ($2\pi$) environment.

### Horizontal Off-Axis Frequency Response

![Graph showing horizontal off-axis frequency response with specified angles.

### Vertical Off-Axis Frequency Response (up)

![Graph showing vertical off-axis frequency response (up) with specified angles.

### Vertical Off-Axis Frequency Response (down)

![Graph showing vertical off-axis frequency response (down) with specified angles.

### Beamwidth vs. Frequency

![Graph showing beamwidth vs. frequency with horizontal and vertical components.

### Directivity vs. Frequency

![Graph showing directivity vs. frequency.

### VS2110 Dimensions

![Diagram showing dimensions of VS2110 with specified measurements.

![Diagram showing front view of VS2110 with measurements.

![Diagram showing side view of VS2110 with measurements.

![Diagram showing rear view of VS2110 with measurements.
Horizontal 1/3 Octave Polars
VS2110 2 way System

Vertical 1/3 Octave Polars

- 200Hz
- 250Hz
- 315Hz
- 400Hz
- 500Hz
- 630Hz
- 800Hz
- 1kHz
- 1.25kHz
- 1.6kHz
- 2kHz
- 2.5kHz
- 3.15kHz
- 4kHz
- 5kHz
- 6.3kHz
- 8kHz
- 10kHz
- 12.5kHz
- 16kHz