RENKUS-HEINZ

VARIA Modular Installation Array Technology

VARIA's fully modular design enables cabinets to be easily configured as flown Modular Point Source Arrays, powerful Line Arrays, or low profile Horizontal Arrays. With a range of vertical and horizontal dispersion angles and Renkus-Heinz's unique Transitional WaveGuides, VARIA's highly configurable enclosures make it easy to custom design a system for every application.

VARIA VA101 (self-powered) and VX101 (externally powered) cabinets are available in 7.5°, 15° and 22.5° arrayable enclosures. Each enclosure is available with one of five different waveguides including 60°, 90° and 120° patterns, as well as proprietary Progressive WaveGuides that can transition from 60° to 90° or 90° to 120° seamlessly within each cabinet. Matching VX/VA15S 15-inch subwoofers can be flown alongside, behind, or at the top of the array, in standard or cardioid pattern. The result is a system that can be uniquely configured to deliver coverage for the most challenging spaces.

Applications

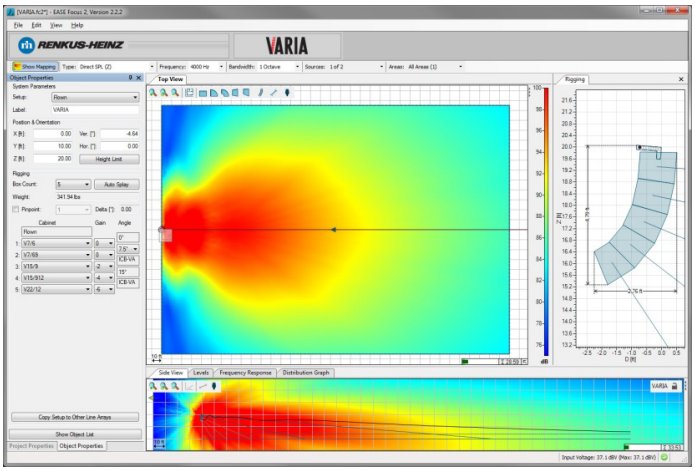
- Live Music, Theater, Performing Arts
- Auditoriums and Lecture Theaters
- Muli-purpose spaces
- Sporting facilities
- Reverberant spaces
- Weather resistant outdoor applications

VERSATILE POWERFUL MUSICAL

EASE Focus II Simulation Software

VARIA101 GLL data in EASE and EASE Focus 3 simulation software tools allows users and system designers to quickly and accurately predict the response of the array.

Simply define the audience areas and you can easily position the array, add or remove cabinets, and adjust its height, location and angle until you achieve the desired results in the simulation.



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Modular Installation Array Systems

VARIA

15" Array Subwoofer

VX15S

Externally powered

VA15S-RD

Self-Powered with RHAON & Dante

- **1x 15", 4" Voice Coil, High Power Subwoofer**
  1000 W Power Handling
  131dB Peak SPL
  Double Suspension
  Extended Excursion
- **Concealed Flying Hardware**
  Internal flying hardware allows arrays of up to 12 cabinets deep
- **3/4" (19mm) Plywood Construction**
- **Weather Resistant and Custom Paint Options**

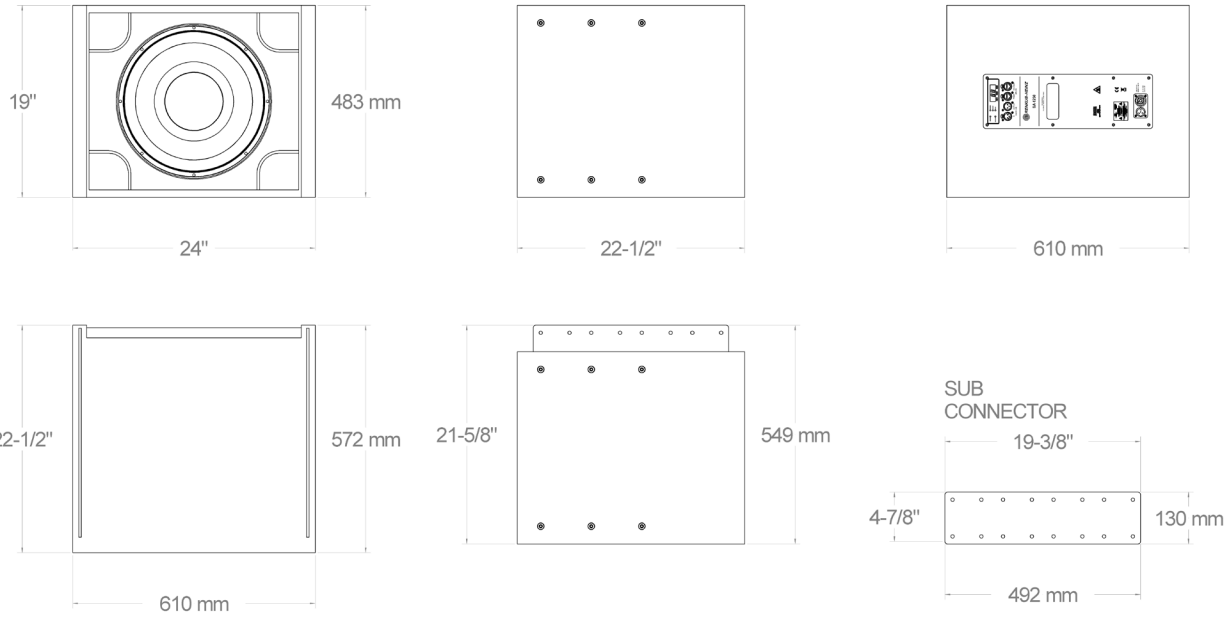
VX/VA15S-RN & RD Technical Specifications

	VX15S	VA15S-RD
Connector:	2 x Speakon® NL4; Four-place terminal strip, all paralleled	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, primary & secondary
Sensitivity:	LF: 95 dB-SPL @ 1 W/1 m	1.4 volt for rated output, analog
Power Handling:	LF 1000 W AES, 2000 W PGM @ 8 ohms	*See SA1250 amplifier specs below*
Latency:	N/A	6 ms plus any digital transport latency
Calculated Max. SPL:	131 dB (peak, whole space)	128 dB (peak, whole space)
Crossover Frequency:	80 Hz Butterworth 18 (See VARIA User Manual for specifics)	80 Hz Butterworth 18
Frequency Response:	40 Hz. to 120 Hz. (+/- 3dB)	
Transducers:	Woofer: SSL15-17	
Enclosure:	0.75 in./19 mm plywood	
Grille:	16 GA powder-coated, plated steel	
Finish:	Black (RAL9011) or White (RAL9010) paint . Custom color matching available.	
Mounting:	Subwoofer interconnect plate, RHANG-VA101 (See VARIA User Manual for specifics)	
Weight:	120 lbs/54.5 kg.	
Dimensions:	24" w x 19" h x 22.5" d / 610 mm w x 483 mm h x 610 mm d	

SA1250 Amplifier Specifications

	SA1250-RD *(Brooklyn II)*
Audio Connections:	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Dante Primary & Secondary Ethernet
Latency:	6.25 ms Analog & AES 6.25 ms + Dante transport latency
Max. Input Level:	+22 dBu, Analog, 0 dBFS digital
Network Connections:	2 x RJ45 Dante Primary & Secondary Ethernet/RHAON II *(Note: Dante and RHAON II share a single or redundant Ethernet network.)*
User DSP:	Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms.
Software:	RHAON II
Power Output:	LF = 1000 watts, @ 8 oms. Multi-band peak and thermal limiting protects the drivers.
Mains Voltage:	100-240 volts, 50/60 Hz auto-switching
Power Consumption:	Idle: 200 mW. 1/8 power: 240 W (onset of limiting) 1/3 power: 550 W (hard limiting)
Power Connector:	Neutrik powerCON TRUE-1

Note: All analog inputs and outputs comply with AES Standard 48-2005 on interconnecting, grounding and shielding.



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