
JBL
PROFESSIONAL
VRX900
SERIES
VRX932LA
VRX918S
CONSTANT CURVATURE LINE ARRAY

VRX932LA

Addressing the growing need for a small format professional sound system, JBL developed the VRX932LA Constant Curvature Line Array for sound rental companies, fixed installations and musicians looking for the ultimate in performance and portability. Featuring the performance of high end line arrays in a compact 12" two-way format that is affordable and flexible and provides outstanding coverage and output coherence, the VRX shares components with the JBL VERTEC® Line Array Series, the worldwide touring industry standard. Perfectly suited for use in smaller venues and small to medium sound reinforcement projects, the VRX was designed as a more compact and portable version of the VERTEC Line Array. Delivering extraordinary power handling, clarity and flexibility, the VRX932LA features the hallmark of all JBL products - Stunning, legendary JBL sound.

Subwoofers

For applications requiring the sonic and practical advantages of integrating the subwoofers into the flying array JBL offers the VRX918S, a compact, high power, suspendable subwoofer system using an 18" Differential Drive® woofer in a front-loaded, vented enclosure. The VRX918S was designed specifically for use in arrays with the VRX932LA Line Array speaker and VRX-AF Array Frame. It may also flown in arrays consisting entirely of VRX918S or ground stacked. The VRX918S is equipped with a top-mounted, threaded, 20 mm socket that can receive the optional SS4-BK pole. Users who don't require a suspendable subwoofer can opt for the acoustically identical SRX718S sub.

Constant Curvature Array

The challenge in designing a world-class line array is to create a controlled, coherent coverage pattern regardless of the number of cabinets used in the array. JBL's Constant Curvature Array Design does that and more. The VRX waveguide mounts three compression drivers on a continuous arc enabling them to work together acoustically as if they were a single driver, while dramatically increasing the power handling and acoustic output when compared to a single driver system. Additional enclosures can be added creating an uninterrupted, continuous arc with all of the drivers working together seamlessly as if they were one driver on a very long waveguide. This innovative technology provides unprecedented output coherence and stunning, clear high-frequency sound quality regardless of the configuration.

Amplitude Shading

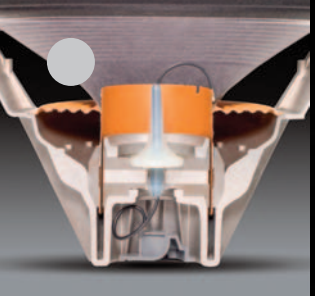
Covering a venue with a smooth, consistent sound field is key to the success of any professional sound reinforcement project. The VRX accomplishes this with JBL's Array Configuration Selector, a convenient series of switches on each enclosure that controls the output of each high-frequency section in the array. With the VRX's amplitude shading you can set the upper enclosures in an array configuration to deliver more output for reaching a distant balcony while the lower enclosures can be 'shaded back' with less output for the front rows of the venue. Each section of the venue can be fine tuned for a balanced, seamless overall coverage pattern.

Suspension and Rigging

Ease of set up and takedown is critical to ensuring high quality sound reinforcement that meets both time and cost restrictions. JBL's exclusive integral rigging hardware for the VRX932LA allows the enclosures to be quickly and securely locked to one another by simply swinging a hinged bar into place and securing it with the included quick release pins. The optional VRX-AF array frame attaches to the rigging hardware of each enclosure providing an easy to use, elegant suspension system for flown arrays. A second array frame may be installed at the bottom of an array for applications where the system must be aimed down sharply.

Dual Angle Pole Socket

JBL's dual angle pole sockets allow great flexibility in aiming the enclosure. By selecting the socket that best directs the sound towards the listeners, unwanted acoustic reflections are reduced and overall system performance is improved.



Differential Drive® Woofers

Sound reinforcement professionals constantly ask for more power but less weight so JBL designed the VRX's drivers with much less weight than comparable drivers and yet significantly increased its power handling and output. Super lightweight neodymium magnets positioned inside the voice coil of each driver, a key feature of JBL's patented Differential Drive woofer design, reduce the massive steel top plates, back plates and pole pieces found in the 'magnetic circuits' of conventional loudspeakers. The VRX's dual voice coil design delivers greater power handling while maximizing the performance of each driver. An integrated heat sink ensures excellent heat dissipation and consistent, reliable performance. Overall, the VRX weighs less, has more power capacity, lower distortion and lower power compression than any comparable system.

Configurations

Single Cabinet

When configured for smaller venues, or musicians working alone, the compact size, portability, light weight and stunning performance of the VRX allow it to be used as a single cabinet two-way utility speaker system that can be conveniently mounted on a tripod.

Pole Mount

To create a small, compact non-flying system, the VRX may be mounted on a tripod. For greater power and low-frequency extension, one or two VRXs may be pole-mounted over a subwoofer, such as JBL's SRX718S or VRX918S.

Ground Stack

For reaching bleacher and stadium seating from ground level, the VRX's ingenious cabinet design allows it be ground stacked in configurations of up to 4 enclosures delivering all of the power, clarity and control of a full flown line array system without the additional labor and expense.

Fly your VRX900 Array

VRX932LA line arrays and VRX918S subwoofers may be suspended using the VRX-AF array frame. For fixed installations, 10mm forged eyebolts may also be used. See the VRX900 User Guide for details.

Optional VRX-AF Array Frame

VRX932LA Specifications

System Type:	12" two-way, line array loudspeaker system
Frequency Range[1] (-10 dB):	57 Hz - 20 Hz
Frequency Response[1] (±3 dB):	75 Hz - 20 Hz
Coverage Pattern:	100° x 15° nominal
Crossover Modes:	Bi-amp / passive, externally switchable
Crossover Frequency:	1.2 kHz
Power Rating (Continuous1 / Program / Peak):	Passive: 800 W / 1600 W / 3200 W Bi-amp LF: 800 W / 1600 W / 3200 W Bi-amp HF: 75 W / 150 W / 300 W
System Maximum SPL:	Passive: 130 dB SPL, Bi-amp LF: 130 dB SPL, Bi-amp HF: 139 dB SPL[3]
System Sensitivity (1w @ 1m):	Passive: 95 dB SPL, Bi-Amp LF: 95 dB SPL, Bi-Amp HF 114 dB SPL[3]
LF Driver	1 x JBL 2262H, 305 mm (12 in) neodymium magnet Differential Drive® with dual voice-coils and magnetic gaps
HF Driver	3 x JBL 2407J, 25.4 mm (1.0 in) voie-coil, neodymium magnet compression driver
Nominal Impedance:	Passive: 8 ohm, Bi-amp LF 8 ohms, Bi-amp HF: 8 ohms
Active Tunings:	Tunings available at www.jblpro.com
Suspension & Mounting:	18 mm, 11- ply birch plywood
Enclosure:	Optional VRX-AF line array frame kit
Finish:	Black DuraFlex™ finish
Grille:	Powder coated, black, 16-gauge perforated steel with acoustical transparent charcoal foam
Input Connectors:	Neutrik® Speakon® NL-4 (x2)
Dimensions (H x W x D):	349 mm x 597 mm x 381 mm (13.75 in x 23.5 in x 15.0 in)
Net Weight:	21.8 kg (48 lb)
Optional Accessories:	VRX-AF: Suspension array frame, SS2-BK: Tripod speaker stand SS3-BK: Adjustable satellite speaker pole to be used with the SRX718S only.

VRX918S Specifications

System Type:	18" bass-reflex subwoofer
Frequency Range[1] (-10 dB):	31 Hz - 220 Hz
Frequency Response[1] (±3 dB):	34 Hz - 220 Hz
Input Connection Modes:	Switchable, +1/-1 or +2/-2
Recommended Crossover Frequencies:	80 Hz, 24 dB / octave HPF
Crossover Frequency:	80 Hz, 24 dB / octave LPF
Power Rating (Continuous[1] / Program / Peak):	800 W / 1600 W / 3200 W
Maximum SPL[2]:	130 dB SPL peak
Sensitivity (1w @ 1m):	95 dB SPL
LF Driver:	1 x JBL 2268H, 457 mm (18 in) Differential Drive Woofer
Nominal Impedance:	8 ohm
Active Tunings:	dbx DriveRack, all models. Settings available at www.jblpro.com
Mounting:	Top mounted M20 threaded socket for optional SS4-BK pole
Suspension & Mounting:	Optional VRX-AF array frame kit or 10mm eyebolt
Enclosure:	Rectangular, 18 mm, 13-ply birch plywood
Finish:	Black DuraFlex™ finish
Grille:	Powder coated, black, 16-gauge perforated steel with acoustical transparent charcoal foam backing.
Input Connectors:	Neutrik® Speakon® NL-4 (x2)
Dimensions (H x W x D):	508 mm x 597 mm x 749 mm (20.0 in x 23.5 in x 29.5 in)
Net Weight:	37 kg (81 lb)
Optional Accessories:	SRX718S-CVR: Pull-over padded cover SS4-BK: Adjustable, heavy-duty pole, M20 thread to 35 mm WK-4: Caster kit, VRX-AF Array Frame

[1] "Frequency Range" and "Frequency Response" are based on half-space conditions.
[2] IEC filtered noise with 6 dB crest factor, 2 hrs.
[3] HF driver sensitivity is based on measurements averaged between 1.5 kHz – 16 kHz[1]
VRX series products are manufactured and sold under U.S. patents 5,748,760; 6,112,847; 6,394,223 and 6,847,726

JBL PROFESSIONAL
www.jblpro.com
8500 Balboa Boulevard,
Northridge, CA 91329 USA

A Harman International Company

CAT VRX900 6/05