

**JBL**

SOUND REINFORCEMENT SYSTEMS



**SERIES**

**SR4700**

## The SR4700 Story

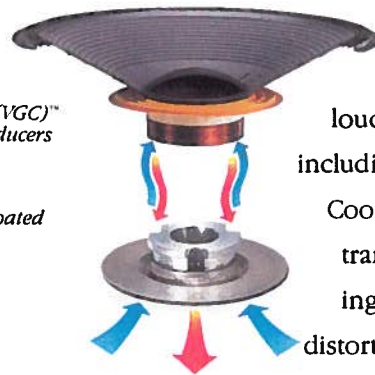
The SR4700 Series is the result of more than two years of research, development and design efforts. Aside from the obvious goals of superior performance, reliability and value, SR4700 Series had to be significantly better than the legendary Cabaret® Series which it would replace. Even after ten years, Cabaret is still regarded as the ultimate in loudspeaker systems in its class.

The overriding objective for the SR4700 Series was to create a line of loudspeaker systems that, at once, addressed several applications which shared common performance requirements. In the intimate

environment of the small club, SR4700 Series is the ideal personal sound system. In larger venues, multiple systems can be mixed and matched to provide unequalled sound reinforcement for an entire band. Designed to reliably deliver high sound pressure levels when needed, the smoothness and clarity of SR4700 Series systems make them a perfect choice for recorded music playback in discotheques or for use in DJ applications.

To meet this objective, JBL marketing and engineering groups analyzed, in detail, every element that makes up a premiere loudspeaker system. As a result, the SR4700 Series easily meets the high performance demands of a much more discriminating market. For value, the SR4700 Series offers an impressive price-to-performance ratio. Bottom line, the SR4700 Series exhibits an obvious improvement in performance over Cabaret, with little or no increase in pricing.

We achieved our goals by developing a top quality line, with attributes similar to Concert Series,<sup>™</sup> but without the added expense of fiber-glass outcoatings and mil spec rigging hardware.



*Pure Titanium Diaphragm  
Compression Driver on  
Flat-Front Bi-Radial<sup>®</sup> Horn*

*Tongue-in-Groove Joinery  
Bonded By High Temperature  
Adhesives Under High Pressure  
for Unequalled Enclosure Strength*

*Interlocking Corner  
Protectors Made of  
Durable Lexan<sup>®</sup>*

*Multi-Laminate,  
Cross-Grain Void Free  
Plywood Construction*

*Bi-Radial<sup>®</sup> Ultra-High  
Frequency Transducer*

*Internal Cross-Bracing  
to Eliminate Enclosure  
Resonances*

*Vented Gap Cooling (VGC)<sup>™</sup>  
Low-Frequency Transducers*

*Full Second-Order  
Crossover Network  
with Switching Jacks  
for Optional  
Amplification*

*16 Gauge, Plastisol-Coated  
Steel Grille*

*Rugged Fabric Laminate to  
Minimize Cosmetic Degradation  
During Normal Use*

The SR4700 Series contains our finest loudspeaker components including VGC<sup>™</sup> (Vented Gap Cooling) low frequency transducers for outstanding reliability, lowest distortion and reduced power

compression. Other components include the 2123H 10-inch midrange transducer which has become the tour sound industry standard along with the legendary 2445J 2-inch exit compression driver.

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The passive crossover networks achieve extremely smooth system voicing and contain switching jacks so you have the option of bi-amplification. A two-position toggle switch permits 2 dB of high frequency attenuation for greater system flexibility and the switch achieves greater power handling over L-pad attenuators. The deep recessed terminal cups hide connectors and prevent possible connector and/or terminal cup breakage if the system should be pushed up against a wall or fall on its back. All electrical components contained in the networks are high quality and close tolerance.

JBL engineers also set out to design a loud-speaker enclosure that was both extremely durable and cost effective to build. Working with an independent test lab, an extensive test procedure was developed to simulate real-life usage that would severely stress the enclosure designs in order to determine the most reliable method of manufacture. Accelerated life tests, including exposure to various atmospheric conditions, repeated drops, long term vibration and varying angle

pull tests were used to establish degrees of structural integrity. The result is an enclosure design, manufactured in one of the most technologically advanced wood products facilities in the industry, whose joinery displays outstanding strength nearly five times that of traditional construction methods. To our knowledge, no other manufacturer has ever embarked on system testing to the degree that SR4700 Series enclosures were tested.

Finally, the enclosure design includes a unique trapezoidal shape which permits tight grouping to form arced arrays when used in multiples. The external surface is covered with a heavy fabric laminate which is as rugged as it is aesthetically pleasing. Interlocking corner protectors allow non-slip stacking. A plastic coated heavy steel grille protects the components during use. Heavy duty steel handles provide a solid, comfortable grip for lifting.



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**SR4718** The SR4718 brings several new technologies together in a single **18-Inch** package. Utilizing a 460 mm

**Subwoofer/Bass System** (18 inch) VGC™ woofer, the SR4718 produces solid bass output down to 30 Hz with the lowest distortion and power compression of any such device currently available.

Coupled to any of the other SR4700 Series systems, the SR4718 helps to produce a remarkably powerful, full bandwidth output.



**JBL**

*The SR4700 Series utilizes truly professional components*

*in enclosures built five times stronger than traditional designs.*

*15-In  
Sound*

## **SR4722** The ultimate compact system for live sound or recorded music

**12-Inch Two-way Full Range  
Sound Reinforcement System** playback applications where space  
is at a premium and where a

minimal amount of equipment must cover the  
greatest amount of space. The SR4722 features a  
single 2206H 12-inch Vented Gap Cooling (VGC)<sup>™</sup>  
low frequency transducer for unprecedented power  
handling and improved sonic performance. High  
frequencies are accurately reproduced and dis-  
persed over a 100° x 100° pattern by the combina-  
tion of a pure titanium diaphragm compression  
driver coupled to a Bi-Radial<sup>®</sup>  
horn. This extremely portable  
system is designed with an  
integral standmount receptacle  
to fit our MT4712 tripod.



**SR4725** Designed to be extremely compact and portable, the SR4725

**Two-way Full Range** can generate tremendous sound pressure levels for its size. It is ideally suited for use as a general purpose sound reinforcement system for either live sound or recorded music reproduction.

To ensure reliable performance, even under the most demanding applications, the SR4725 has been outfitted with the 2226H 15-inch VGC™ low frequency transducer and the 2426H 1-inch exit pure titanium diaphragm compression driver. Mid/high frequencies are distributed over a tightly controlled 90° x 40° pattern made possible by the 2370A Flat-Front Bi-Radial® horn. The crossover network is designed for maximum power handling and seamless transition, and is equipped with switching jacks to allow for easy bi-amplification.



**SR4735** The SR4735 offers outstanding full range performance where the

**15-Inch Three-way Full Range** warmer sound of a cone midrange **Sound Reinforcement System** is preferred. In staying with the goal of minimum size, the SR4735 is very compact, yet effortlessly delivers powerful bass, mids and highs. It is the perfect system to use in close proximity monitoring situations where a compression driver/horn combination might prove fatiguing, such as small clubs, discotheques, side fill and on stage drum and keyboard monitoring. Contained in the SR4735 is a single 2226H 15-inch VGC™ low frequency transducer, a 2118H 8-inch cone midrange and a pure titanium diaphragm compression driver mated to a Flat-Front Bi-Radial® horn.



## SR4732

The SR4732 is designed directly after the JBL Concert Series™ model **12-Inch Three-way High Level Sound Reinforcement System** 4850. It is designed for extreme high output applications where

both overall level and intelligibility are of utmost importance from a compact system. The dual 2206H 305 mm (12 inch) VGC™ LF woofers generate tremendous low frequency output and unequalled power handling capability, with outstanding clarity and transient response. Mid/high frequencies are effortlessly reproduced by the legendary 2445J 2-inch exit pure titanium diaphragm compression driver teamed with a 2380A 90° x 40° Flat-Front Bi-Radial® horn. Ultra-high frequencies are augmented by a 2404H Bi-Radial® transducer.



## SR4738

The SR4738 is a multi-purpose tool for the serious audio professional. Utilizing a cone midrange **12-Inch Three-way Full Range Sound Reinforcement System** device, the SR4738 exhibits a rich,

smooth sound character making it ideal for use in close proximity listening applications such as general P.A., side fill, on-stage monitoring of drums and keyboards, or in discotheques for recorded music playback. Employing a single 2241G 18-inch low frequency transducer, the SR4738 is capable of enormous amounts of bass output. Midrange information is reproduced with extreme accuracy by the 2123H 10-inch cone transducer, the new standard for the tour sound industry. High frequencies are taken to task by a pure titanium diaphragm compression driver coupled to a Flat-Front Bi-Radial® horn for controlled dispersion over a very wide horizontal area.



# SR4718, SR4722, SR4725, SR4732, SR4735, SR4738

## Sound Reinforcement Systems

### Specifications

	<b>4718</b>	<b>4722</b>	<b>4725</b>
Frequency Range (-10 dB):	30 Hz-3.3 kHz	50 Hz-17 kHz	35 Hz-18 kHz
Power Capacity: (Continuous Pink Noise)	600 Watts	600 Watts	600 Watts
(Peak Pink Noise)	2400 Watts	2400 Watts	2400 Watts
Nominal Impedance:	4 Ohms	8 Ohms	8 Ohms
Sensitivity: 1 W, 1 m	98 dB	98 dB	97 dB
Nominal Dispersion:	N/A	100°H x 100°V	90°H x 40°V
Crossover Frequency	N/A	1.2 kHz	1.1 kHz
LF Driver(s)	460 mm (18-inch)	305 mm (12-inch)	380 mm (15-inch)
MF Driver(s)	N/A	N/A	N/A
HF Driver(s)	N/A	Pure Titanium Diaphragm Compression Driver Constant Coverage Bi-Radial® Horn	Pure Titanium Diaphragm Compression Driver/ Flat-Front Bi-Radial® Horn
Dimensions: (Height x Width x Depth)	1092 mm x 635 mm x 460 mm 43" x 25" x 18"	711 mm x 508 mm x 343 mm 28" x 20" x 13.5"	749 mm x 635 mm x 460 mm 29.5" x 25" x 18"
Net Weight:	39.5 kg 87 lbs.	26.1 kg 57.5 lbs.	35.4 kg 78 lbs.
Shipping Weight:	44.5 kg 98 lbs.	29.1 kg 64 lbs.	40.2 kg 88.5 lbs.
	<b>4732</b>	<b>4735</b>	<b>4738</b>
Frequency Range (-10 dB):	40 Hz-20 kHz	35 Hz-17 kHz	30 Hz-17 kHz
Power Capacity: (Continuous Pink Noise)	1200 Watts	300 Watts	800 Watts
(Peak Pink Noise)	4800 Watts	1200 Watts	3200 Watts
Nominal Impedance:	4 Ohms	8 Ohms	4 Ohms
Sensitivity: 1 W, 1 m	100 dB	99 dB	98 dB
Nominal Dispersion:	90°H x 40°V	90°H x 40°V	90°H x 40°V
Crossover Frequency	1.2 kHz, 6 kHz	600 Hz, 2.8 kHz	600 Hz, 2.2 kHz
LF Driver(s)	(2) 305 mm (12-inch)	380 mm (15-inch)	460 mm (18-inch)
MF Driver(s)	2-inch Exit Pure Titanium Compression Driver	203 mm (8-inch)	250 mm (10-inch)
HF Driver(s)	Bi-Radial® Horn Ultra High Frequency Transducer	Pure Titanium Diaphragm Compression Driver/ Flat-Front Bi-Radial® Horn	Pure Titanium Diaphragm Compression Driver/ Flat-Front Bi-Radial® Horn
Dimensions: (Height x Width x Depth)	1092 mm x 635 mm x 460 mm 43" x 25" x 18"	921 mm x 635 mm x 460 mm 36.25" x 25" x 18"	1092 mm x 635 mm x 460 mm 43" x 25" x 18"
Net Weight:	61.4 kg 135 lbs.	41.8 kg 92 lbs.	50.7 kg 111.5 lbs.
Shipping Weight:	67 kg 147.5 lbs.	47.3 kg 104 lbs.	55.9 kg 123 lbs.



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