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JBL Cabaret Series

Take some of the work out of being a working musician.

As a musician you know that your stage show requires quality, high-performance sound products. Products that let your audience feel, as well as hear, every note. Unfortunately, this kind of professional performance has traditionally meant putting up with massive, complex arrays of equipment that could require hours of extra work to set up and tear down.

At JBL we have the alternative for you. We call it our Cabaret Series. And it includes the most advanced compact musical sound systems ever offered by JBL.



Components. Systems use new E Series full-range and low frequency transducers with higher sensitivity, greater power capacity, low distortion SFG magnet structure, and other technical advances. Two-way systems match the cone drivers with high frequency power packs and specially designed frequency dividing networks. Networks utilize the finest quality iron core chokes, high voltage Mylar capacitors, non-inductive, wire wound resistors, and high power L-pads.

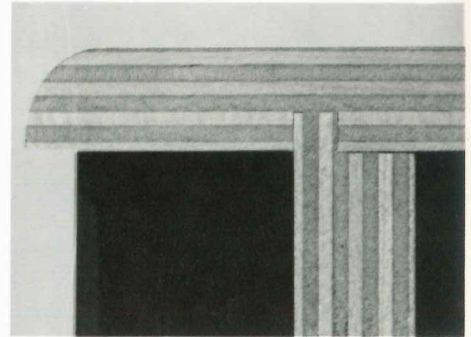
Designed for Performance

To ensure that performance we developed each Cabaret system around JBL musical instrument loudspeakers. Speakers that are known by musicians around the world for their remarkable efficiency, reliability, and power capacity. Next we matched those components with optimally tuned enclosures that were engineered specifically for each intended application. Finally, we equalized each system to match the sound characteristics of the instrument it will reproduce. The result is a series of systems that require very little power to operate yet can handle high levels of program material effortlessly. Systems that provide an ideal

balance between high performance and practical size.

Designed for Durability

Of course even the best sounding speaker systems can be a problem if they can't take the wear and tear of the road. So each Cabaret Series enclosure is crafted from 18 mm ($\frac{3}{4}$ in) multi-

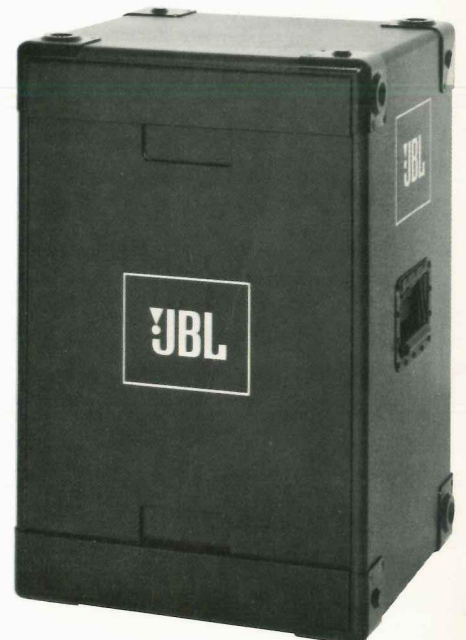


Enclosure. Hard rock maple and yellow poplar wood, made exclusively for JBL. Tongue-and-groove fabrication techniques and extensive internal bracing ensure maximum strength. Enclosure features radiused edges and protective skids for ease in handling. Fiberglass lining on all walls eliminates internal cabinet reflections.

laminate, cross-grain hard rock maple and yellow poplar. This material, developed exclusively for JBL to our strict specifications, is far superior to particle board and pine plywood; the maple/poplar laminate also offers greater impact strength, increased hardness, and higher internal damping than birch plywood. It's simply the most rugged material available for the job.



Network Control. Continuously variable high frequency level controls on two-way systems allow the user to tailor the frequency response to individual taste or room requirements. Control knob projects through the grille frame for easy adjustment.



Flush Fitting Covers. Protects transducers and grille during shipment. Built-in handles and snap locks eliminate small hardware.

The Systems

4602 Monitor Smooth, wide frequency response (50 Hz-15 kHz), uncolored reproduction and high directivity make the 4602 an ideal stage monitor, acoustic instrument system or small general purpose vocal reinforcement system. A wedge-shaped enclosure allows the 4602 to stand upright (for sound reinforcement use) or at a 30 or 60 degree angle to the floor (for stage monitor use). The enclosure houses a 300 mm (12 in) E120 loudspeaker, a 2402 high frequency ring radiator, and a specially designed crossover network: a system that is accurate, highly efficient, and can handle up to 150 watts continuous sine wave power.

4621 Lead Guitar The matchless JBL E130 380 mm (15 in) extended range loudspeaker mounted in an enclosure designed specifically for electric guitar. High accuracy, high efficiency, high power capacity, and the famous JBL sound.

4622 Lead Guitar The unmistakable JBL sound quality will satisfy even the most critical musician. Two 300 mm (12 in) E120 loudspeakers mounted in an enclosure engineered specifically for lead guitar work do the job the way it was meant to be done—with high efficiency, high accuracy and the ability to handle up to 300 watts continuous sine wave power.

4623 Acoustic Guitar/Vocal Reinforcement Adding a 2402 high frequency ring radiator and a specially designed crossover network to the 4621 creates a maximum efficiency, narrow coverage system that is ideal for acoustic guitar or vocal reinforcement applications.

4625 Bass Guitar Pure, punchy bass at any sound pressure level: the product of a 380 mm (15 in) E140 low frequency loudspeaker performing in a carefully designed enclosure. The combination of high efficiency and high power handling capacity allows the system to handle up to 200 watts continuous sine wave power.



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4627 Keyboard Specially designed for organ and synthesizer, with a superb bottom end for clean pedal tones, the 4627 is characterized by extremely low distortion and a wide frequency range (35 Hz-20 kHz). An E145 380 mm (15 in) loudspeaker, plus a 2901A High Frequency Power Pack with aluminum-diaphragm compression driver/horn/lens combination and specially designed high-pass network provide high accuracy and smooth, wide angular coverage.

4680 Line Array JBL's remarkable 4682 line array housed in a Cabaret Series enclosure. Four 250 mm (10 in) E110 loudspeakers and a 2902 High Frequency Power Pack (two 2402s and a

crossover network) deliver a very natural sound—clean, crisp, and clear—over a wide frequency range of 55 Hz to 15 kHz. The 4680 is ideal for any application requiring high power capacity, maximum sound pressure level output, and uncompromising sound quality.

4690 High Level Playback/Reinforcement Specifically engineered for high level, full range music playback and sound reinforcement applications, the 4690 is a compact, two-way loudspeaker system that combines high efficiency, controlled dispersion, wide frequency range, and extremely low distortion. The system incorporates an E140 380 mm (15 in) low frequency trans-

ducer, an aluminum-diaphragm high frequency compression driver, a 2306 high frequency exponential horn, and a specially designed frequency dividing network. The 4690 may be used alone or in conjunction with 4695 subwoofers. The most rugged and versatile of the Cabaret systems, it is ideal for installation in night clubs, discotheques, roller discos, theaters, or any application requiring high acoustic output and uncompromising sound quality.

4695 Bass Guitar/Subwoofer Designed to deliver maximum levels of clean bass, the 4695 features JBL's massive E155 460 mm (18 in) loudspeaker housed in an optimally tuned reflex enclosure. An outstanding full-range bass guitar system, the 4695 projects bass notes with incredible punch and clear, crisp overtones. The system's high efficiency, accuracy, and ability to handle full power (300 watts continuous sine wave) down to 30 Hz also make it an ideal choice for subwoofer applications.



4625

4695

4627

4690

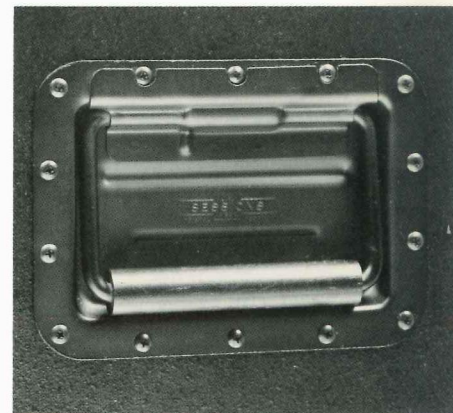
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But the protection doesn't end there. Each system also comes complete with a flush-fitting cover to allow the enclosure to function as its own road case. Added protection is provided by specially designed polycarbonate corner guards (except on 4602 Monitor). The finish is a durable black polyurethane paint that can withstand drops, kicks, and wear.

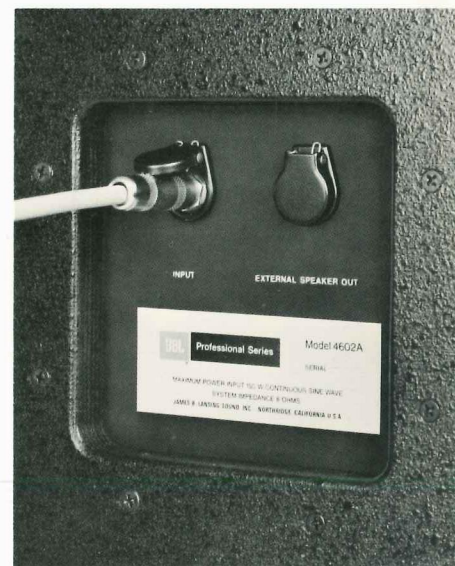


Polycarbonate Corner Protectors. Rugged, resistant to impact and temperature.

And because we know that every small detail is important, we've paid close attention to every facet of the Cabaret Series' design. Each system, for instance, features flush-mounted professional road handles that lock in place to prevent unwanted vibration and noise during a performance. Input and external output jacks are protected by spring-loaded covers. Additionally, the speaker voice coils are automatically shorted when no plug is in the input jack. This prolongs the life of the speaker by minimizing cone bounce during handling and shipment.



Professional Road Handles. Large rubber grips ease handling.



Recessed Input Connectors. Input and external output phone jacks are protected by spring-loaded covers to maintain acoustic integrity of enclosure. High current capacity telephone-type jacks provide positive high power connection.

You Decide

Naturally, the only way you'll really know if the Cabaret Series systems are right for you is to hear them for yourself. So ask your local JBL dealer for a demonstration. We think you're going to find that they'll let you spend a lot less time working on your equipment and a lot more time working on your music.

Feet allow secure vertical and horizontal stacking of enclosures both on stage and in transit.

Accessories

2901A High Frequency Power Pack
The 2901A High Frequency Power Pack can be added to the 4625 or the 4621 to extend high frequency response, giving exceptional clarity and definition. The 2901A consists of a 2410 aluminum-diaphragm compression driver and a perforated-plate horn-lens assembly that provides 90° conical dispersion. The high-pass network is equipped with a continuously variable control that allows matching the output level to the bass speaker. Each 4621 and 4625 system has pre-cut mounting holes to make installation of the 2901A easy.

2903 High Frequency Power Pack
Intended for use in the 4690 High Level Playback/Reinforcement system, the 2903 power pack consists of a 2402 ring radiator, 3 kHz high-pass network, and continuously variable level control. The 2903 will increase system high frequency output by as much as 10 dB, giving program material exceptional presence, clarity, and definition. Each 4690 system features pre-cut mounting holes to simplify power pack installation. The 2903 may also be used to convert a 4621 to a 4623 system, extending the response to 15 kHz with 40° conical nominal dispersion.



2901A



2903

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.

Specifications

Model	Frequency Range (-10 dB)	Power Capacity		Nominal Impedance	Sensitivity ¹ 1 W, 1 m (3.3 ft)	Nominal Dispersion	Crossover Frequency	Enclosure Volume	Exterior Dimensions (Height x Width x Depth)	Net Weight
		(Continuous Sine Wave)	(Continuous Program)							
4602	50 Hz - 15 kHz	150 W	300 W	8 Ω	103 dB SPL	40° conical	3 kHz	42 liters 1.5 ft ³	508 mm x 406 mm x 374 mm 20 in x 16 in x 14 ¹ / ₁₆ in	25.9 kg 57 ¹ / ₂ lb
4621	50 Hz - 6 kHz	150 W	300 W	8 Ω	105 dB SPL	N/A	N/A	127 liters 4.5 ft ³	767 mm x 512 mm x 478 mm 30 ³ / ₁₆ in x 20 ¹ / ₁₆ in x 18 ¹ / ₁₆ in	40.5 kg 89 ¹ / ₂ lb
4622	50 Hz - 6 kHz	300 W	600 W	4 Ω	106 dB SPL	N/A	N/A	127 liters 4.5 ft ³	767 mm x 512 mm x 478 mm 30 ³ / ₁₆ in x 20 ¹ / ₁₆ in x 18 ¹ / ₁₆ in	49.6 kg 109 ¹ / ₂ lb
4623	50 Hz - 15 kHz	150 W	300 W	8 Ω	105 dB SPL	40° conical	3 kHz	127 liters 4.5 ft ³	767 mm x 512 mm x 478 mm 30 ³ / ₁₆ in x 20 ¹ / ₁₆ in x 18 ¹ / ₁₆ in	43.5 kg 96 lb
4625	40 Hz - 2.5 kHz	200 W	400 W	8 Ω	100 dB SPL	N/A	N/A	127 liters 4.5 ft ³	767 mm x 512 mm x 478 mm 30 ³ / ₁₆ in x 20 ¹ / ₁₆ in x 18 ¹ / ₁₆ in	40.5 kg 89 ¹ / ₂ lb
4627	35 Hz - 20 kHz	150 W	300 W	8 Ω	98 dB SPL	90° conical	1.5 kHz	127 liters 4.5 ft ³	767 mm x 512 mm x 478 mm 30 ³ / ₁₆ in x 20 ¹ / ₁₆ in x 18 ¹ / ₁₆ in	49.2 kg 108 ¹ / ₂ lb
4680	55 Hz - 15 kHz	300 W	600 W	8 Ω	105 dB SPL	60° horizontal 40° vertical	3 kHz	142 liters 5 ft ³	1322 mm x 402 mm x 372 mm 52 ² / ₁₆ in x 16 ¹ / ₁₆ in x 14 ¹ / ₁₆ in	62.1 kg 137 lb
4690	40 Hz - 20 kHz	200 W	400 W	8 Ω	103 dB SPL	60° conical	1.5 kHz	127 liters 4.5 ft ³	767 mm x 512 mm x 478 mm 30 ³ / ₁₆ in x 20 ¹ / ₁₆ in x 18 ¹ / ₁₆ in	49.4 kg 109 lb
4695	30 Hz - 2 kHz	300 W	600 W	8 Ω	100 dB SPL	N/A	N/A	283 liters 10 ft ³	1021 mm x 751 mm x 478 mm 40 ³ / ₁₆ in x 29 ³ / ₁₆ in x 18 ¹ / ₁₆ in	64.5 kg 142 lb

1. Sensitivity measured with an input averaged from 500 Hz to 2.5 kHz.



Professional Division

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