

Cinema Loudspeaker Systems

The history of JBL Cinema Speakers is the history of cinema itself. When a company has a legacy nearly eight decades long, there's little doubt that its ear is planted firmly to the ground.

For most of the 20th Century, JBL has been the most trusted name in Cinema sound. In fact, its namesake and founder James B. Lansing began his company building the world's first cinema speakers. That commitment to the core components of cinema speaker design is why, today, JBL Cinema speakers are found in 6 out of 10 movie theaters around the world.

Ever since James B. Lansing developed cinema speakers at the very beginning of talking movies, JBL has consistently set the bar on just how good the movies can sound. That's why the majority of Dolby® equipped cinemas worldwide use JBL loudspeakers. It's also why Lucasfilm engineers chose JBL speakers as the standard with which the first THX® licensed commercial theaters were developed.

Unparalleled in experience, technical leadership and customer support: a few reasons why, today, JBL speakers also grace the stages of the most coveted theatrical venues, such as The Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater, The Directors Guild of America and The Academy of Television Arts and Sciences.

Academy of Motion Picture Arts and Sciences
Samuel Goldwyn Theater: Hollywood, California

"Academy Award" and "Oscar" image © AMPAS®. THX® Lucasfilm, LTD.

ScreenArray® Series

Today's Cinema patron demands perfect coverage in every seat of the auditorium, wide dynamic range and extended bandwidth, as well as inaudible levels of distortion. This dictates the need for a new standard of loudspeaker performance for today's premier cinemas.

The ScreenArray Series represents the embodiment of JBL's continued commitment to the movie cinema industry. As such all models incorporate the latest advances in JBL's research into high performance transducer, waveguide, and crossover designs. Incorporating the performance benefits of JBL's patented Screen Spreading Compensation™ (SSC) and Focused Coverage Technology™, this speaker series provides smooth and uniform timbral balance consistent with current industry listening standards.

Since their introduction, JBL ScreenArray Systems have rewritten the rules for designing premium Cinema loudspeakers. Perhaps that's why you'll find them behind such prestigious screens as the Academy of Television Arts and Sciences Leonard H. Goldenson Theatre, and at the Mann Grauman's Chinese Theatre in Hollywood.

JBL offers two ScreenArray systems to meet the challenges posed by lower cost installations. All three products provide ultra smooth and accurate sound reproduction in a compact and highly cost effective system. The 3622N Passive system, the 4622N Passive system and the 4622 Bi-amplified system feature the ultra-low distortion ScreenArray high frequency horn with SSC and dual 15" low-frequency sections.

3622N

The **3622N ScreenArray** provides smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective passive system.

The system is comprised of two parts: the 3622-HF high-frequency pack and the 3639 low-frequency system.

The ScreenArray horn features a patent pending design that compensates for high frequency spreading caused by perforated screens for greatly improved audience coverage. Together, these elements provide clear, accurate reproduction of the mid/high frequency information. All of these components come pre-assembled to reduce field assembly time thus reducing installation costs.

4622/4622N

The **4622 and 4622N** provide smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective system.

The system is comprised of two parts: the 4622-HF high-frequency pack and the 4639 low-frequency system. The **4622N** passive system utilizes a sophisticated crossover network. Developed using computer optimization technology, it provides seamless transition resulting in excellent power response and controlled directivity.

specifications

| | 3622N | 4622/4622N |
|--------------------------|--|--|
| FREQUENCY RANGE | 30 Hz - 20 kHz | 30 Hz - 20 kHz |
| FREQUENCY RESPONSE | 40 Hz - 16 kHz | 40 Hz - 16 kHz |
| COVERAGE ANGLES | 90° horizontal, -30°, +20° vertical | 90° horizontal, -30°, +20° vertical |
| RATED MAXIMUM SPL: | 127 dB, @ 1 m 133 dB peak | 127 dB, @ 1 m 133 dB peak |
| CROSSOVER FREQUENCIES: | 1300 Hz | 4622: 630 Hz 4622N: 750 Hz |
| SENSITIVITY: 2.83V @ 1 m | 101 dB | 101 dB |
| NOMINAL IMPEDANCE: | 4 ohms | 4622: 4 ohms 4622N: HF 8 ohms 4622N: LF 4 ohms |
| DRIVERS: LF | 2 x M115-8A | 2 x 2035H-1 |
| HF | 2418H-1 | 2430H |
| SYSTEM ELEMENTS: LF | 3639 | 4639 |
| MF/HF | 3622N-HF | 4622-HF [4622N-HF] |
| DIMENSIONS (H x W x D) | 1289 x 762 x 450 mm 50.75 x 30 x 17.75 in | 1289 x 762 x 450 mm 50.75 x 30 x 17.75 in |
| NET WEIGHT | 65 kg (143 lb) | 73 kg (160 lb) |



key features

- ① DESIGNED FOR MAXIMUM OUTPUT, OPTIMAL COVERAGE, AND MINIMUM DISTORTION
- ② THX® APPROVED (4632-T AND 3632-T)
- ③ FLAT-FRONT DESIGN FOR EASY BaffleWALL INSTALLATION
- ④ SHIPS FULLY ASSEMBLED
- ⑤ ULTRA-LOW DISTORTION AND EXTREMELY UNIFORM FREQUENCY RESPONSE
- ⑥ SHALLOW PROFILE FOR MINIMUM DEPTH BEHIND SCREEN (17³/₄"



Academy of Television Arts and Sciences
North Hollywood, California

3632



The **3632 ScreenArray** features true three-way system design enhanced by advanced engineering. JBL Professional's best technical innovations are integrated in a system design that provides superior coverage, maximum power handling, and uniform acoustic power output, along with extremely low distortion. The ScreenArray design provides ideal power response and directivity control with seamless transitions between acoustic sections. The 3632 is available for bi-amplified or tri-amplified operation (3632T).

4632

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specifications

| | 3632 [T] | 3632T | 4632 [T] | 4632T |
|--------------------------|---------------------------|---|---------------------------|---|
| FREQUENCY RANGE | 30 Hz - 20 kHz | | 30 Hz - 20 kHz | |
| FREQ RESPONSE (± 3 dB) | 40 Hz - 16 kHz | | 40 Hz - 16 kHz | |
| COVERAGE ANGLES | 90° x 20° up, 30° down |  | 90° x 20° up, 30° down |  |
| DIRECTIVITY FACTOR (Q) | 10.0 | | 10.0 | |
| DIRECTIVITY INDEX (DI) | 10 dB | | 10 dB | |
| MAXIMUM PEAK OUTPUT: | 126 dB @ 1 m | | 129 dB @ 1 m | |
| CROSSOVER FREQUENCIES: | 350 Hz [1.2 kHz] | | 250 Hz [1.2 kHz] | |
| SENSITIVITY: 2.83V @ 1 m | 104 dB | | 106 dB | |
| NOMINAL IMPEDANCE: | 4 ohms | | 4 ohms | |
| DRIVERS: LF | 2 x M115H-1 | | 2 x 2035H-1 | |
| MF | 2 x 165H | | 4 x 165H | |
| HF | 2418H | | 2425HS | |
| SYSTEM ELEMENTS: LF | 3639 [3632T: 4639] | | 4639 | |
| MF/HF | 3632-M/HF [3632-M/HF-T] | | 4632-M/HF [4639-M/HF-T] | |
| DIMENSIONS | 1937 x 762 x 450 mm | | 2427 x 762 x 450 mm | |
| (H x W x D) | 76.3 x 30 x 17.75 in | | 95.6 x 30 x 17.75 in | |
| NET WEIGHT (EACH) | 97.7 kg (215 lb) | | 120.4 kg (265 lb) | |

3632

4632

key features

- THX® APPROVED
- PROVEN HIGH PERFORMANCE AND RELIABILITY

- ADVANCED THREE-WAY DESIGN FOR THE MOST PRESTIGIOUS CINEMAS IN THE WORLD

Large Format Three-Way Systems

5672

Auditoriums up to 500 seats, film studios and exhibition venues now have a premium JBL three-way that's a perfect match for them.

The 5672 features a three-way design highlighted by two JBL 2226H 380 mm (15 in) low-frequency transducers as a vertical over-under array in a 4648A LF System, and one 5674-M/HF System, ensuring outstanding performance. Designed for tri-amplification, the bi-amplified 5672-BI is also available.

5674

When the world's most prestigious cinemas want the very best, they specify the JBL 5674. **The 5674** is today's most advanced three-way design, featuring an unmatched blend of high performance and unrivaled reliability.

The 5674 features four JBL 2226H 380 mm (15 in) low-frequency transducers in a unique DiamondQuad™ array. This array orientation allows the four drivers to create maximum output, while minimizing destructive interference effects caused by the use of multiple drivers operating in the same bandpass region.

The 5674 requires tri-amplification and includes one 5644 Quad LF System and one 5674-M/HF System. The 5674 has earned THX Approval and is the same system used in The Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater and The Directors Guild Theater in Los Angeles. The JBL 5674, truly the world's finest three-way loudspeaker.



5674



5672

specifications

| | 5672 | 5674 |
|-------------------------------------|--|--|
| FREQUENCY RANGE | 35 Hz - 16 kHz (-10 dB) | 35 Hz - 16 kHz (-10 dB) |
| FREQUENCY RESPONSE | 45 Hz - 12.5 kHz (± 3 dB) | 45 Hz - 12.5 kHz (± 3 dB) |
| COVERAGE ANGLES (H x V) | 80° x 45° (300 Hz - 16 kHz) | 80° x 45° (300 Hz - 16 kHz) |
| DIRECTIVITY FACTOR (Q) | 10.4 | 10.4 |
| DIRECTIVITY INDEX (DI) | 11 | 11 |
| MAX. PEAK OUTPUT: (LF/MF/HF) | 137/140/137 dB @ 1 m | 143/140/137 dB @ 1 m |
| CROSSOVER FREQ.: LF/MF MF/HF | 297 Hz 2.5 kHz | 297 Hz 2.5 kHz |
| SENSITIVITY: 1 W, 1 m (LF/MF/HF) | 100/114/112 dB | 103/114/112 dB |
| NOMINAL IMPEDANCE: (LF/MF/HF) | 4/8/8 ohms | 4 (per driver pair) /8/8 ohms |
| LF DRIVER(S) | 2 x 2226H | 4 x 2226H (2 pair in parallel) |
| MF DRIVER/MF HORN | 2490H/2392 | 2490H/2392 |
| HF DRIVER/HF HORN | 2451H/2352 | 2451H/2352 |
| SYSTEM ELEMENTS: LF MF/HF | 4648A 5674-M/HF | 5644 5674-M/HF |
| DIMENSIONS (H x W x D) | 2768.8 x 1118 x 863.6 mm 109 x 44 x 34 in | 2895.6 x 1118 x 863.6 mm 114 x 44 x 34 in |
| NET WEIGHT (EACH) | 87.3 kg (192.5 lb) | 171.69 kg (378.5 lb) |

- MAXIMUM VALUE
- MINIMAL SET-UP AND INSTALLATION
- SMOOTH, EVEN COVERAGE
- 3678, 4675C-8LF APPROVED FOR THX® INSTALLATIONS

Two-Way Systems

3677

Combine classic JBL performance with a natural sound quality for both music and dialog and you've just described the **3677**. For extraordinary convenience, the all-in-one enclosure requires no field assembly, simplifying set-up and reducing cost of installation.

3678

THX Approved design in the bi-amplified mode. JBL's patented Vented Gap Cooling™ keeps the 2226H low frequency working optimally while the JBL 2342 Bi-Radial® horn and 2426 pure titanium compression driver ensure smooth, even coverage, natural sound and unsurpassed reliability. The 3678 has a 1 1/2" shallow profile.



4670D

The 4670D is a wide bandwidth system with remarkable dynamic range and consistent coverage. In fact, the performance of the 4670D is the foundation for true big-screen commercial cinema sound.

4675C & 4675C-4(8)LF

These are the speakers chosen when nothing but the very best in full-range two way systems will suffice. The series delivers uniform frequency response throughout the listening area with high sound pressure levels. **The 4675C-4LF** (4 ohms) and **4675C-8LF** (8 ohms) are designed for bi-amplified applications where an external electronic crossover or cinema processor is used in conjunction with separate amplifiers for the high and low-frequency sections.



The 4675C consists of: one 4638TH System, one 4675C-HFA Kit and built-in passive cross-over network. **The 4675C-4LF** consists of: one 4648A (LF) System and one 4675C-HFA Kit. **The 4675C-8LF** is THX Approved and consists of: one 4648A-8 (LF) System and one 4675C-HFA Kit.



specifications

| | 3677 | 3678 | 4670D | 4675C | 4675C-4LF/4675C-8LF |
|----------------------------------|---------------------------|---------------------------|-------------------------|----------------------------|-----------------------------------|
| FREQUENCY RANGE | 40 Hz - 20 kHz (-10 dB) | 30 Hz - 20 kHz (-10 dB) | 35 Hz - 20 kHz (-10 dB) | 35 Hz - 20 kHz (-10 dB) | 35 Hz - 20 kHz (-10 dB) |
| FREQUENCY RESPONSE | 45 Hz - 12 kHz (± 3 dB) | 45 Hz - 12 kHz (± 3 dB) | 40 Hz - 16 kHz (± 3 dB) | 40 Hz - 16 kHz (± 3 dB) | 40 Hz - 16 kHz (± 3 dB) |
| POWER CAPACITY ¹ | 250 W | 300 W | 600 W | 600 W | 1200 W (LF) 100 W (HF) |
| COVERAGE ANGLES (H x V) | 90° x 40° | 90° x 90° | 90° x 40° | 90° x 40° | 90° x 40° |
| CROSSOVER FREQUENCY ² | 1.2 kHz | 1 kHz | 500 Hz | 500 Hz | 500 Hz |
| SENSITIVITY: 1 W, 1 m | 99 dB SPL | 98 dB SPL | 100 dB SPL | 100 dB SPL | 100 dB SPL (LF) |
| NOMINAL IMPEDANCE | 8 ohms | 8 ohms | 4 ohms | 4 ohms | LF: 4 ohms (4LF)/ 8 ohms (8LF) |
| LF DRIVER(S) | 2035H | 2226H | 2 x 2035H | 2 x 2035H | 2 x 2226H (J) |
| HF DRIVER | 2416-1 | 2425HS | 2446H | 2446H | 2446H |
| HORN | 2373 | 2342 | 2380A | 2360B W/2506C | 2360B W/2506C |
| SYSTEM ELEMENTS: LF | (All-in-one enclosure) | 3678-LF | 4638TH | 4638TH | 4648A/4648A-8 (8LF) |
| HF | | 3678-HF | 4670D-HF | 4675C-HFA | 4675C-HFA |
| DIMENSIONS (H x W x D) | 765 x 651 x 292 mm | 1019 x 651 x 292 mm | 1289 x 673 x 438 mm | 1797 x 770 x 949 mm | 1797 x 770 x 949 mm |
| | 30.125 x 25.625 x 11.5 in | 40.125 x 25.625 x 11.5 in | 50.75 x 26.5 x 17.25 in | 70.75 x 30.312 x 37.375 in | 70.75 x 30.312 x 37.375 in |
| NET WEIGHT (EACH) | 39 kg (85 lb) | 41 kg (90 lb) | 92 kg (203 lb) | 98 kg (215 lb) | 98 kg (215 lb) |

¹ IEC filtered random noise (50 Hz - 5 kHz) with a crest factor (peak to average ratio) of 6 dB.

² Due to standard motion picture recommendations, theater systems with large format compression drivers are specified with 500 Hz crossovers.

Surround Systems

key features

- DESIGNED FOR SMALL, MEDIUM, LARGE AND VERY LARGE VENUES
- SMOOTH, EVEN COVERAGE
- THX® APPROVED



3310

The **3310** features one 200 mm (8 in) low-frequency driver and a 1 inch titanium dome tweeter. The 3310's internal passive crossover includes a passive protection circuit to ensure maximum reliability. If JBL performance seems incompatible with your budget, consider the 3310 Cinema Surround System. The 3310 offers surprising performance at an equally surprising price.

8330A

The **8330A** three-way features a 200 mm (8 in) low-frequency driver for smooth, extended bass response; a 130 mm (5 in) midrange transducer for the critical midrange and a 25 mm (1 in) titanium-laminated dome tweeter providing wide, even high frequency coverage. Add a modern, molded black textured enclosure with black grille and you know why the 8330A is the industry standard in its class.



8340A

The **8340A** Surround speaker is an unbeatable choice when very high power handling, high sensitivity, extended bass response and a remarkably compact cabinet are the requirements. The two-way 8340A's proven reliability and performance have positioned it as the industry standard for the extended dynamic range required by today's digital sound formats. At 19 pounds, installation is quick and painless.



specifications

| | 3310 | 8330A | 8340A |
|-----------------------------|--------------------------|-------------------------|-------------------------|
| FREQUENCY RANGE | 40 Hz - 20 kHz (-10 dB) | 40 Hz - 20 kHz (-10 dB) | 45 Hz - 18 kHz (-10 dB) |
| FREQUENCY RESPONSE | 100 Hz - 12 kHz (± 3 dB) | 70 Hz - 14 kHz (± 3 dB) | 70 Hz - 16 kHz (± 3 dB) |
| POWER CAPACITY ¹ | 75 W | 100 W | 250 W |
| COVERAGE ANGLES (H x V) | 100° x 100° | 110° x 105° | 100° x 80° |
| CROSSOVER FREQUENCY: | 2.5 kHz | 650 Hz & 3.1 kHz | 2.2 kHz |
| SENSITIVITY: 1 W, 1 m | 89 dB | 91 dB | 96 dB |
| NOMINAL IMPEDANCE | 8 ohms | 8 ohms | 8 ohms |
| DRIVERS: LF | 200 mm (8 in) | 200 mm (8 in) | 250 mm (10 in) |
| MF | | 130 mm (5 in) | |
| HF | 25 mm (1 in) | 25 mm (1 in) | 25 mm (1 in) horn |
| DIMENSIONS (H x W x D) | 446 x 483 x 267 mm | 457 x 457 x 260 mm | 457 x 457 x 260 mm |
| | 17.5 x 19 x 10.5 in | 18 x 18 x 10.25 in | 18 x 18 x 10.25 in |
| NET WEIGHT (EACH) | 13 kg (29 lb) | 8.6 kg (19 lb) | 8.6 kg (19 lb) |

¹ IEC filtered random noise (50 Hz - 5 kHz) with a crest factor (peak to average ratio) of 6 dB.



Mann Grauman's Chinese Theatre: Hollywood, California

- ❶ EXCEPTIONAL LOW FREQUENCY AUGMENTATION
- ❷ APPROVED FOR THX® INSTALLATIONS

Subwoofers

CINEMA LOUDSPEAKER SYSTEMS

Surround Systems
Subwoofers



3635

When a small cinema and an equally small budget are the orders of the day, the JBL **3635** is the perfect choice. It features one 460 mm (18 in) transducer, an unobtrusive shallow enclosure (14½"), true JBL performance and a surprising price.

4641

When a 600 Watt cinema system is what you need, the **4641** is the perfect choice for cost effective, low frequency augmentation. The 4641 features one 460 mm (18 in) JBL 2241 VGC™ (Vented Gap Cooling) low-frequency transducer. The 4641 is THX® approved.



4642A

The **4642A** is a dual 460 mm (18 in) subwoofer system featuring two VGC (Vented Gap Cooling) 2241H low-frequency transducers. This high-performance, cost effective 1200 Watt system is ideal for low-frequency augmentation when smooth response down to the lowest audible frequencies is required. An outstanding performer! The 4642A is THX® approved. Also available with grilles.



4645C

Approved by THX®, the **4645C** is the industry standard. The 4645C is a single 460 mm (18 in) direct radiator bass reflex subwoofer system featuring the 2242 SVG™ (Super Vented Gap) low-frequency transducer for highest output with lowest distortion. The 4645C is the choice whenever a premium performance single 460 mm (18 in) 800 Watt system is required for low-frequency augmentation.



specifications

| | 3635 | 4641 | 4642A | 4645C |
|-----------------------------|--|--|--|--|
| FREQUENCY RANGE (-10 dB) | 28 Hz - 500 Hz | 25 Hz - 500 Hz | 22 Hz - 500 Hz | To 22 Hz (no EQ) |
| FREQUENCY RESPONSE (± 3 dB) | 38 Hz - 100 Hz | See individual spec sheet | See individual spec sheet | See individual spec sheet |
| POWER CAPACITY | 300 W | 600 W | 1200 W | 800 W |
| CROSSOVER FREQUENCY | 100 Hz | 80 to 150 Hz | 80 to 100 Hz | 80 to 100 Hz |
| SENSITIVITY: 1 W, 1 m | 100 dB | 97 dB (40 - 100 Hz) | 101 dB SPL | 97 dB (40 - 100 Hz) |
| NOMINAL IMPEDANCE | 8 ohms | 8 ohms | 4 ohms | 8 ohms |
| LF DRIVER(S) | 2042H (18 in) | 2241H (18 in) | 2 x 2241H (18 in) | 2242H (18 in) |
| DIMENSIONS (H x W x D) | 1168 x 651 x 368 mm 46 x 25.625 x 14.5 in | 999.6 x 647.7 x 450 mm 39 x 25.5 x 17.75 in | 762 x 1219 x 610 mm 30 x 48 x 24 in | 999.6 x 647.7 x 450 mm 39 x 25.5 x 17.75 in |
| NET WEIGHT (EACH) | 51 kg (113 lb) | 60 kg (131 lb) | 98 kg (216 lb) | 63 kg (138 lb) |