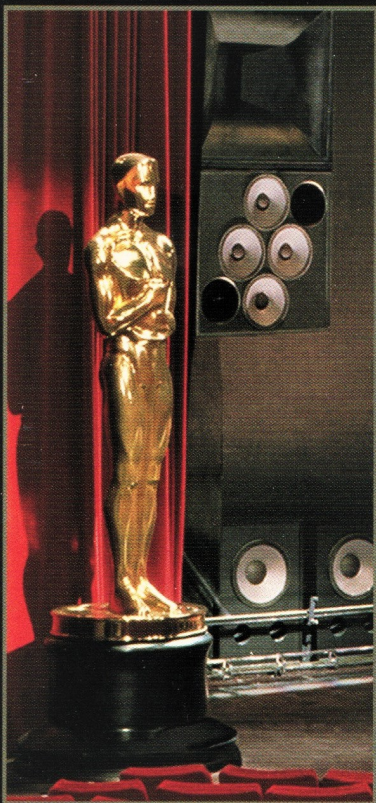
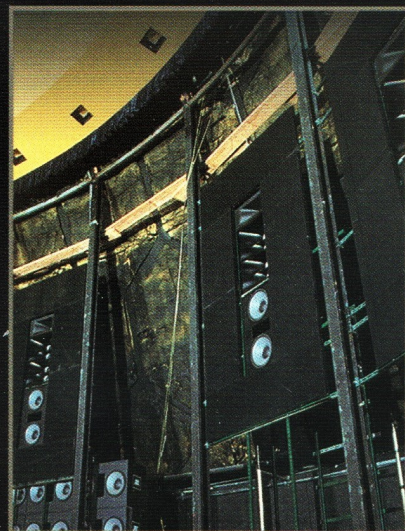
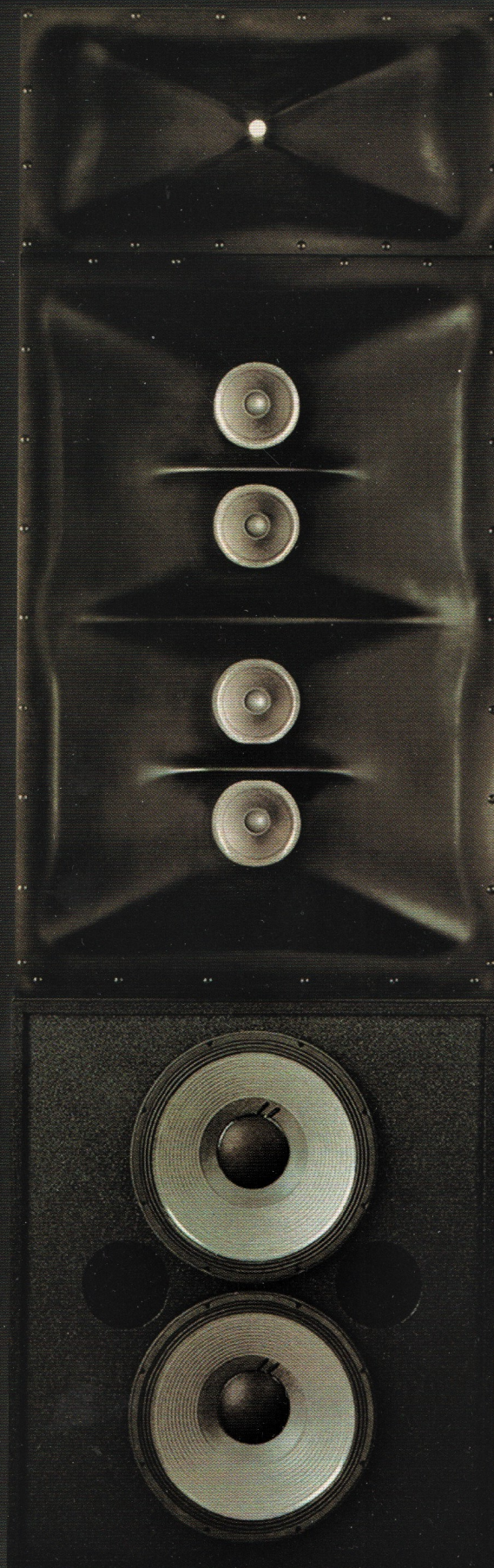


**JBL**

PROFESSIONAL

# CINEMA PRODUCTS





# ScreenArray® | 4 Models

► Designed for: Small Venues | Medium Venues | Large Venues | THX® Approved Venues



## 3622N

### Two-Way ScreenArray

Academy Award winning technology in a very cost effective system.... only JBL has the legacy and experience to combine the two. The fully passive 3622N two-way ScreenArray provides all of the controlled coverage, extended high frequency response, and dynamic range you need for smaller auditoriums. You save money and minimize installation cost while maximizing enjoyment for your cinema patrons.

## 4622

### Two-Way ScreenArray

This two-way system features the ultra-low distortion ScreenArray high frequency horn with JBL's patented Screen Spreading Compensation. Designed to meet the challenges of lower cost installations while providing outstanding performance, this system includes a dual 800 Watt low frequency section and second generation Optimized Aperture Waveguide technology. The 4622 is available in bi-amp or passive [N] models. The 4622N is a passive system utilizing a sophisticated crossover network.



APPROVED  
THX

## 3632

### Three-Way ScreenArray

For small to medium auditoriums up to 300 seats, the 3632 three-way ScreenArray features all of the advanced technology of the 4632 in a system designed to fit all budgets. The ScreenArray design provides power response and directivity control combined with seamless transition between acoustic sections. The easy installation of this pre-assembled system saves time and money. Available for bi-amp or tri-amp.

Specifications	3622N	4622[N]	3632[T]	4632[T]
Frequency Range (-10 dB)	30 Hz - 20 kHz	30 Hz - 20 kHz	30 Hz - 20 kHz	30 Hz - 20 kHz
Frequency Response ( $\pm 3$ dB)	40 Hz - 16 kHz	40 Hz - 16 kHz	40 Hz - 16 kHz	40 Hz - 16 kHz
Directivity Factor (Q)	10.0	10.0	10.0	10.0
Directivity Index (DI)	10 dB	10 dB	10 dB	10 dB
Rated Max SPL	127 dB @ 1 m	127 dB @ 1 m	126 dB @ 1 m	129 dB @ 1 m
Crossover Frequency	1300 Hz	630 Hz, [750 Hz]	350 Hz, [1.2 kHz]	250 Hz, [1.2 kHz]
Sensitivity: 2.83V @ 1 m	101 dB	101 dB	104 dB	106 dB
Nominal Impedance	4 ohms	4 ohms	4 ohms	4 ohms
System Power Capacity	400 W	LF:800 W, HF:100 W, [600 W]	LF:500 W, M/HF:200 W, [HF:50 W]	LF:800 W, M/HF:400 W, [HF:50 W]
System Elements: (LF/MF/HF)	3639/3622N-HF	4639/4622-HF [4622N-HF]	3639/3632-M/HF [4639/3632-M/HF-T]	4639/4632-M/HF [4632-M/HF-T]
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	1937 x 762 x 450 mm 76.3 x 30 x 17.75 in	2427 x 762 x 450 mm 95.6 x 30 x 17.75 in
Net Weight (Each)	65 kg (143 lb)	73 kg (160 lb)	97.7 kg (215 lb)	120.4 kg (265 lb)



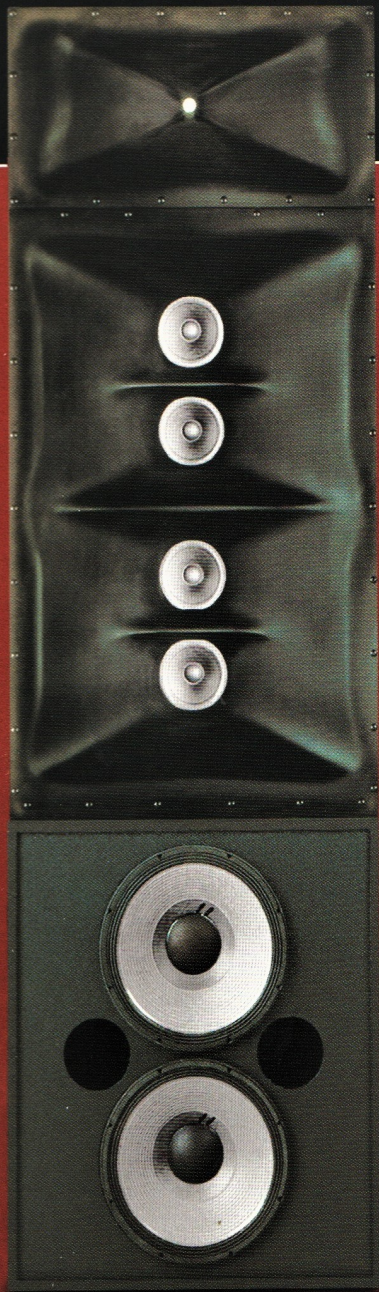
# Advantages You Will Get Only With JBL ScreenArray.<sup>®</sup>

After nearly three years of intensive technical development, JBL introduced the all-new ScreenArray three-way loudspeaker. The JBL ScreenArray features:

- Three-Way ScreenArray design for maximum acoustic power output and optimum coverage.
- SSC<sup>™</sup> Screen Spreading Compensation to correct perforated screen spread of high frequency energy.
- Focused Coverage Technology<sup>™</sup> for the most uniform sound coverage in a stadium or traditional auditorium.

In addition, every JBL ScreenArray three-way is delivered to you completely ready to use. It's already pre-assembled and pre-aimed to save you time and money.

*In 2001, JBL Engineers were honored by the Academy of Motion Picture Arts and Sciences with two Scientific and Technical Awards for work embodied in the industry-standard JBL 4675 and JBL ScreenArray<sup>®</sup> loudspeaker systems.*

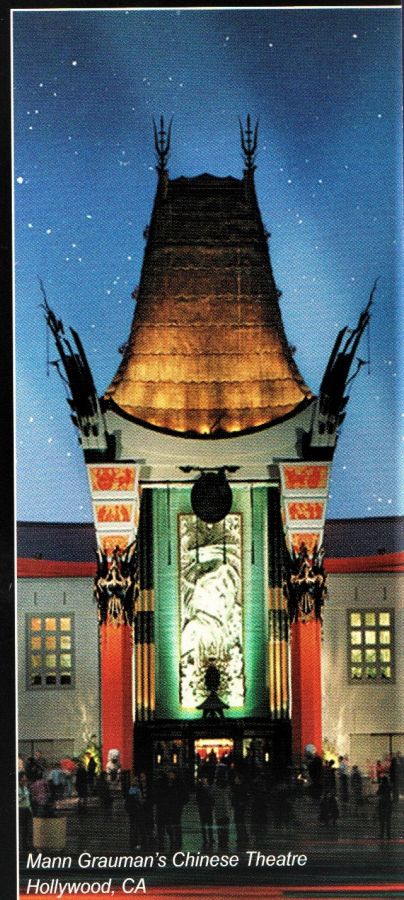


**4632**

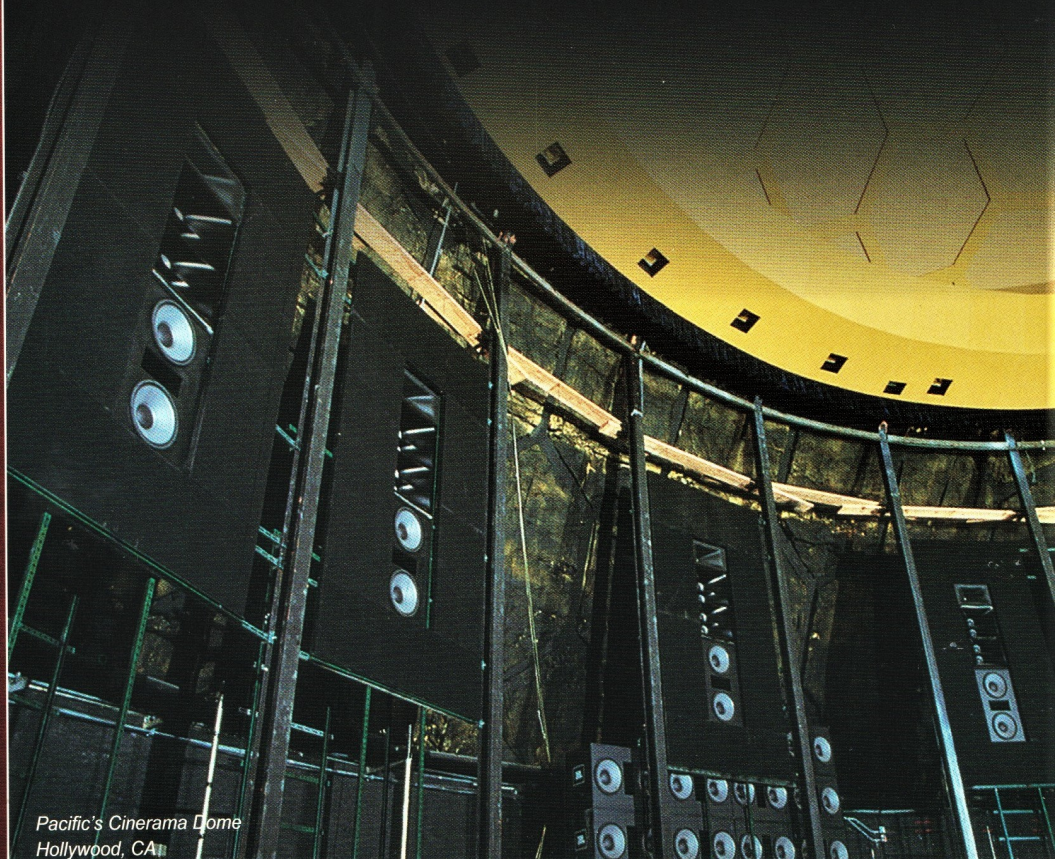
APPROVED  
**THX**

## Three-Way ScreenArray

Featuring Academy Award winning Screen Spreading Compensation and Focused Coverage Technology, the three-way 4632 ScreenArray is designed for maximum acoustic output and the most uniform sound coverage available. The high power, 400 Watt midrange and 800 Watt low frequency sections, combined with the patented high frequency horn that corrects for high frequency dispersion through perforated screens, makes this system ideal for medium to large size cinemas and studio production environments. Delivered pre-assembled and pre-aimed for ease of installation with a shallow 17.75" profile for minimum behind screen depth requirements. Available for bi-amp or tri-amp powered applications.



Mann Grauman's Chinese Theatre  
Hollywood, CA

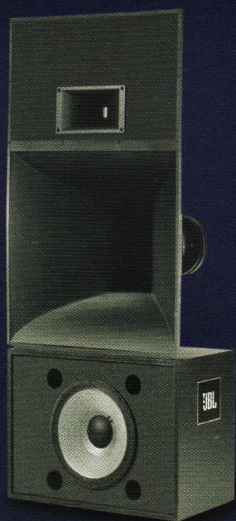


Pacific's Cinerama Dome  
Hollywood, CA



# THREE-WAY SYSTEMS | 3 Models

► Designed for: Large Venues | Very Large Venues | THX® Approved Venues



APPROVED  
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## 5671

### Three-Way Screen Channel System

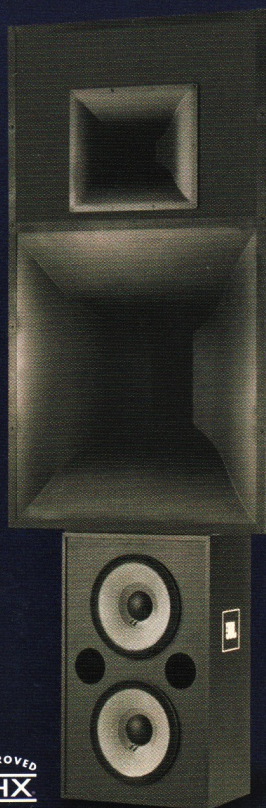
Now, smaller auditoriums as well as post-production and dubbing stage environments can each have the benefits of true, JBL three-way performance. The 5671 features one JBL 2226H 380 mm (15 in) low frequency transducer in a 5641 LF System and one 5671-M/HF System.

## 5672

### Three-Way Screen Channel System

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 JBL 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 5672-M/HF System, ensuring outstanding performance. The 5672 is designed for tri-amplification. The 5672-BI is also available with a crossover network for bi-amplified applications.

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THX



## 5674

### Three-Way Screen Channel System

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.

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THX



#### Specifications

	5671	5672	5674
Frequency Range (-10 dB)	40 Hz - 16 kHz	35 Hz - 16 kHz	35 Hz - 16 kHz
Frequency Response (±3 dB)	50 Hz - 12.5 kHz	45 Hz - 12.5 kHz	45 Hz - 12.5 kHz
Coverage Angles (H x V)	80° x 50° (300 Hz - 16 kHz)	80° x 45° (300 Hz - 16 kHz)	80° x 45° (300 Hz - 16 kHz)
Directivity Factor (Q)	10.4	10.4	10.4
Directivity Index (DI)	11	11	11
Max. Peak Output: (LF/MF/HF)	131/140/137 dB @ 1 m	137/140/137 dB @ 1 m	143/140/137 dB @ 1 m
Crossover Freq.: (LF/MF/HF)	320 Hz, 2.3 kHz	297 Hz, 2.5 kHz	297 Hz, 2.5 kHz
Sensitivity: 1 W, 1 m (LF/MF/HF)	97/114/112 dB	100/114/112 dB	103/114/112 dB
Nominal Impedance: (LF/MF/HF)	8/8/8 ohms	4/8/8 ohms	4 (per driver pair) /8/8 ohms
LF Driver(s)	2226H	2 x 2226H	4 x 2226H (2 pair in parallel)
MF Driver/MF Horn	2490H/2392-1	2490H/2392	2490H/2392
HF Driver/HF Horn	2451H/2332	2451H/2352	2451H/2352
System Elements: (LF/MF/HF)	5641/5671-M/HF	4648A/5674-M/HF	5644/5674-M/HF
Dimensions (H x W x D)	1483 x 774.7 x 736.6 mm 58.375 x 30.5 x 29 in	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)	80.2 kg (177 lb)	87.3 kg (192.5 lb)	171.69 kg (378.5 lb)



"Academy Award" and "Oscar" image © AMPAS®.

Academy of Motion Pictures Arts and Sciences  
Samuel Goldwyn Theatre, Beverly Hills, CA



# FULL RANGE TWO-WAY SYSTEMS | 5 Models

► Designed for: Small Venues | Medium Venues | Large Venues | THX® Approved Venues



## 3677

### Cinema Loudspeaker System

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

### Cinema Loudspeaker System

High power, shallow profile (11.5"), was designed for those 'hard to fit' behind-screen spaces. The switchable built-in network can be used in passive applications, or in bi-amp mode for THX® Certified applications. In bi-amplified mode, the 3678 is THX® approved for theatres no larger than 45,000 cubic ft., and screen-to-last row distances no greater than 40 ft.



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THX

## 4675C / 4675C-4(8)LF

### Cinema Loudspeaker System

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-8LF is THX Approved. The 4675C consists of one 4638TH low-frequency system with built-in passive crossover network and one 4675C-HFA high-frequency kit.



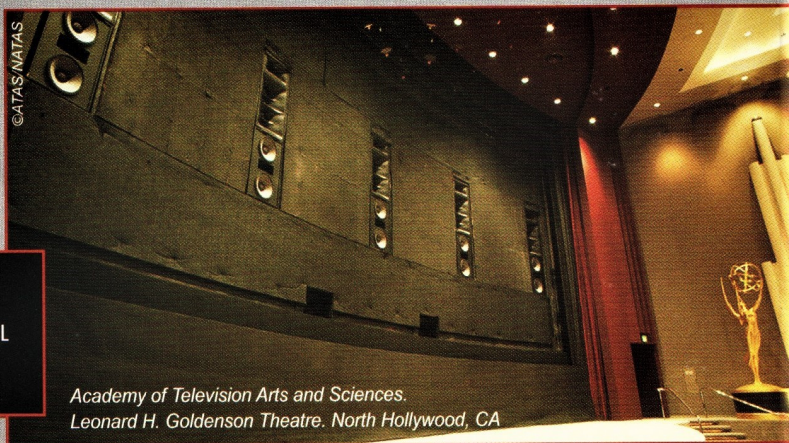
## 4670D

### Cinema Loudspeaker System

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.

## FACT:

In 1983, Lucasfilm, LTD. selected JBL as the first THX® Approved cinema loudspeakers.



Academy of Television Arts and Sciences.  
Leonard H. Goldenson Theatre, North Hollywood, CA

Specifications	3677	3678	4670D	4675C	4675C-4(8)LF
Frequency Range (-10 dB)	40 Hz - 20 kHz	30 Hz - 20 kHz	35 Hz - 20 kHz	35 Hz - 20 kHz	35 Hz - 20 kHz
Frequency Response (±3 dB)	45 Hz - 12 kHz	45 Hz - 12 kHz	40 Hz - 16 kHz	40 Hz - 16 kHz	40 Hz - 16 kHz
Power Capacity <sup>1</sup>	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 <sup>2</sup>	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)
System Elements: 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)

<sup>1</sup>IEC filtered random noise (50 Hz - 5 kHz) with a crest factor (peak to average ratio) of 6 dB. <sup>2</sup>Due to standard motion picture recommendations, theatre systems with large format compression drivers are specified with 500 Hz crossovers.



# SUBWOOFERS | 4 Models

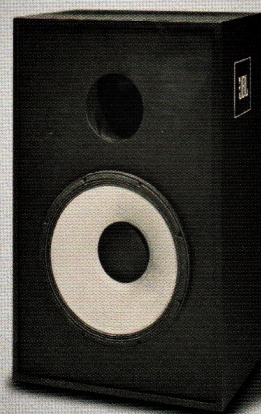
► Designed for: Small Venues | Medium Venues | Large Venues | Very Large Venues | THX® Approved Venues



## 4645C

### Cinema Subwoofer System

Approved by THX, the 4645C is the latest iteration of an 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.



## 4641

### Cinema Subwoofer System

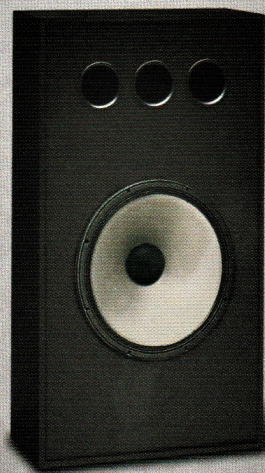
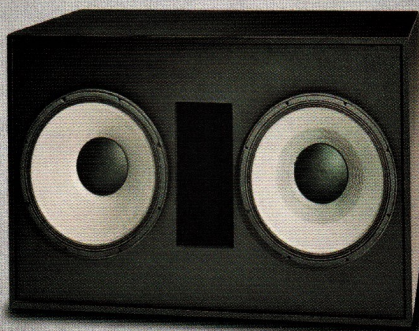
When a 600 Watt cinema system is what you need, the 4641 is the perfect choice for cost effective, low frequency augmentation. The 4641 features one 460 mm (18 in) JBL 2241 VGC™ (Vented Gap Cooling) low frequency transducer. The 4641 is THX Approved.



## 4642A

### Cinema Subwoofer System

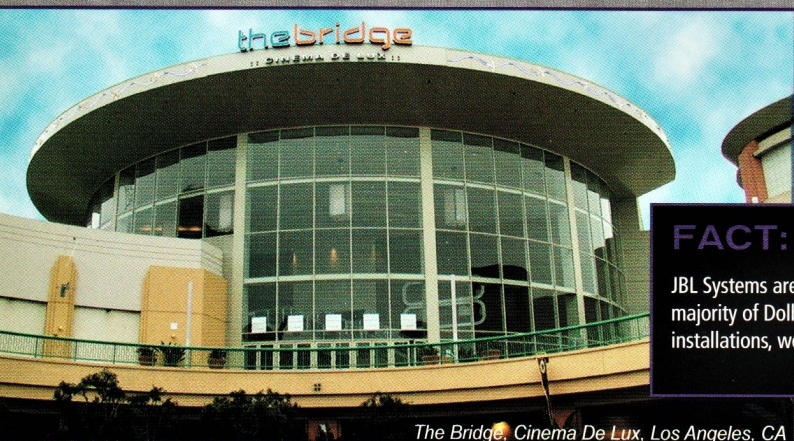
The 4642A is a dual 460 mm (18 in) subwoofer system featuring two VGC™ (Vented Gap Cooling) 2241H low frequency transducers. This high performance, cost effective 1200 Watt system is ideal for low frequency augmentation when smooth response down to the lowest audible frequencies is required. An outstanding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



## 3635

### Cinema Subwoofer System

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, true JBL performance and a surprising price.



### FACT:

JBL Systems are used in the majority of Dolby and THX® installations, worldwide.

The Bridge, Cinema De Lux, Los Angeles, CA

### Specifications

#### 4645C

Frequency Range (-10 dB)	To 22 Hz (no EQ)
Frequency Response (±3 dB)	see indiv. spec sheet
Power Capacity	800 W
Crossover Frequency	80 to 100 Hz
Sensitivity: 1 W, 1 m	97 dB (40 - 100 Hz)
Nominal Impedance	8 ohms
LF Driver(s)	2242H (18 in)
Dimensions (H x W x D)	999.6 x 647.7 x 450 mm 39 x 25.5 x 17.75 in
Net Weight (Each)	63 kg (138 lb)

#### 4642A

Frequency Range (-10 dB)	22 Hz - 500 Hz
Frequency Response (±3 dB)	see indiv. spec sheet
Power Capacity	1200 W
Crossover Frequency	80 to 100 Hz
Sensitivity: 1 W, 1 m	101 dB SPL
Nominal Impedance	4/8 ohm wired in parallel
LF Driver(s)	2 x 2241H (18 in)
Dimensions (H x W x D)	762 x 1219 x 610 mm 30 x 48 x 24 in
Net Weight (Each)	98 kg (216 lb)

#### 4641

Frequency Range (-10 dB)	25 Hz - 500 Hz
Frequency Response (±3 dB)	see indiv. spec sheet
Power Capacity	600 W
Crossover Frequency	80 to 150 Hz
Sensitivity: 1 W, 1 m	97 dB (40 - 100 Hz)
Nominal Impedance	8 ohms
LF Driver(s)	2241H (18 in)
Dimensions (H x W x D)	999.6 x 647.7 x 450 mm 39 x 25.5 x 17.75 in
Net Weight (Each)	60 kg (131 lb)

#### 3635

Frequency Range (-10 dB)	28 Hz - 500 Hz
Frequency Response (±3 dB)	38 Hz - 100 Hz
Power Capacity	300 W
Crossover Frequency	100 Hz
Sensitivity: 1 W, 1 m	100 dB
Nominal Impedance	8 ohms
LF Driver(s)	2042H (18 in)
Dimensions (H x W x D)	1168 x 651 x 368 mm 46 x 25.625 x 14.5 in
Net Weight (Each)	51 kg (113 lb)



# SURROUND SOUND SYSTEMS | 3 Models

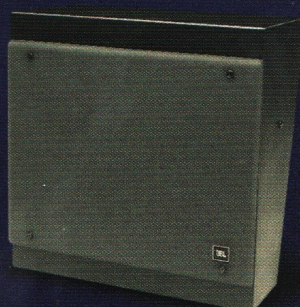
► Designed for: Small Venues | Medium Venues | Large Venues | Very Large Venues | THX® Approved Venues



## 8340A

### Cinema Surround System

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.



## 3310

### Cinema Surround System

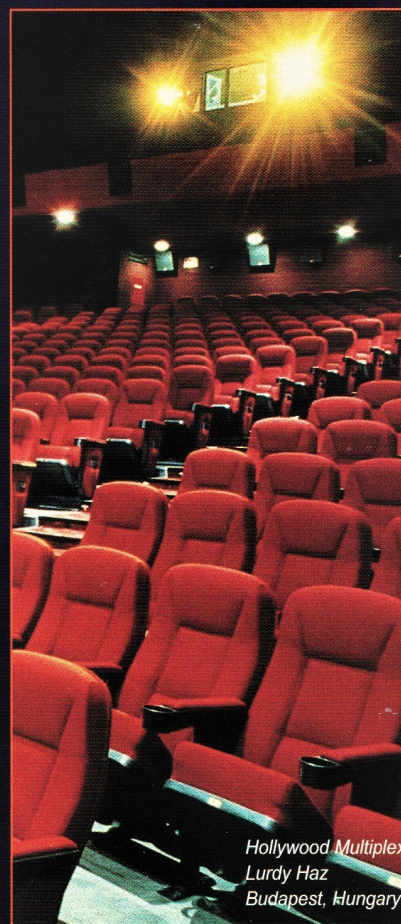
The 3310 features one 200 mm (8 in) low frequency driver and a 25 mm (1 in) titanium dome tweeter. The 3310's internal passive crossover includes a passive protection circuit to ensure maximum reliability. Surprising performance at an equally surprising price.

*In 1989, The Directors Guild of America first selected JBL speakers for theaters 1 & 2 and upgraded to JBL 5000 Series Three-way systems in 1998.*

## 8330A

### Cinema Surround System

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-laminate 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 truly the industry standard in its class.



Hollywood Multiplex  
Lurdy Haz  
Budapest, Hungary

Specifications	8340A	8330A	3310
Frequency Range (-10 dB)	40 Hz - 20 kHz	45 Hz - 18 kHz	40 Hz - 20 kHz
Frequency Response (±3 dB)	70 Hz - 14 kHz	70 Hz - 16 kHz	100 Hz - 12 kHz
Power Capacity <sup>1</sup>	100 W	250 W	75 W
Coverage Angles (H x V)	110° x 105°	100° x 80°	100° x 100°
Crossover Frequency	650 Hz & 3.1 kHz	2.2 kHz	2.5 kHz
Sensitivity: 1 W, 1 m	91 dB	96 dB	89 dB
Nominal Impedance	8 ohms	8 ohms	8 ohms
LF Driver	200 mm (8 in)	250 mm (10 in)	200 mm (8 in)
MF Driver	130 mm (5 in)		
HF Driver	25 mm (1 in)	25 mm (1 in) horn/driver	25 mm (1 in)
Dimensions (H x W x D)	457 x 457 x 260 mm 18 x 18 x 10.25 in	457 x 457 x 260 mm 18 x 18 x 10.25 in	446 x 483 x 267 mm 17.5 x 19 x 10.5 in
Net Weight (Each)	8.6 kg (19 lb)	8.6 kg (19 lb)	13 kg (29 lb)

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



# CONTROLLER

► Designed for:

Small Venues | Medium Venues | Large Venues



## DSC260A

### Three-Way Screen Channel System

The DSC260A provides programmable crossover, equalization and signal delay functions. The DSC260A provides two inputs and six outputs that can be assigned to either or both inputs. The DSC260A's performance includes a low noise floor, smooth amplitude response and maximum dynamic range. Typical applications include stereo three-way systems or delay tower operation.

#### Specifications

#### DSC260A

Configuration	Stereo 2 and 3-way, Mono 4, 5 and 6-way
Inputs	2 Channels, +20 dBu max level 10 kOhms, Electronically balanced XLR connectors
Outputs	6 channels, +10 dBu into 600 Ohms max level Electronically balanced XLR connectors
Display	2 x 16 character backlit LCD
Sampling Rate	48 kHz
Frequency Response	20 Hz - 20 kHz (<+/- 0.5 dB)
THD	<.5 %, 20 Hz - 20 kHz @+10 dBu
Dimensions (H x W x D)	44.4 x 483 x 203 mm 1.75 x 19 x 8 in
Net Weight (Each)	2.8 kg (6.2 lb)

From lobby systems, ceiling speakers and outside weather resistant parking lot speakers (Control Contractor Series) to paging systems and background music (Soundzone), JBL Professional is the one stop shop for your complete theatre audio needs.



H A Harman International Company

8500 Balboa Boulevard, Northridge, CA 91329

[www.jblpro.com](http://www.jblpro.com)

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CAT CINEMA 03

# JBL CINEMA MILESTONES

**1927**

Lansing Manufacturing Company founded in Los Angeles, California.

**1936**

Shearer System with Lansing loudspeaker components wins the Academy of Motion Picture Arts and Sciences Scientific Award.

**1946**

James B. Lansing Sound (JBL) founded.

**1955**

JBL's Hartsfield System is called "the dream speaker" by Life Magazine.

**1981**

JBL Model 4675 cinema system introduced, with Bi-Radial® horn, titanium diaphragm compression driver and direct-radiator low-frequency section.

**1983**

JBL selected by Lucasfilm, Ltd. as the first THX® Approved cinema loudspeakers.

**1984**

JBL cinema sound system installed in the Samuel Goldwyn Theater at the Academy of Motion Picture Arts and Sciences.

**1996**

JBL introduces the revolutionary 5000 Series Three-Way Screen Channel System featuring advanced cinema loudspeaker technology.

**1999**

JBL introduces ScreenArray® technology with two three-way models, 4632 and 3632.

**2001**

JBL engineers were honored by the Academy of Motion Picture Arts and Sciences with two Scientific and Technical Awards.