

THE LEADING CHOICE FOR QUALITY CINEMA SYSTEMS

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# Cinema Sound



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Harman International Companies





# Cinema Sound

The history of cinema sound has long been directly linked to the ingenuity and commitment of the JBL Professional research and development team to provide groundbreaking loudspeaker systems for the film industry. JBL Cinema Sound Products are the market leaders in all cinema categories from sound stages, to mixing rooms, to THX® approved theater systems. Like JBL, Crown International has long set the standard for premium quality amplifier systems in professional film production and cinema sound applications.

These two leading divisions of Harman International allow a perfect synergy for cinema sound system



solutions. The cinema sound designer can draw upon a vast product line of loudspeaker and amplification components that meet the needs of the smallest post production room to the largest auditorium. Never content with relying on their leading market positions, JBL and Crown continue to explore new sound technologies for the production and exhibition of the cinema arts.

These cinema sound building blocks are at the core of the JBL/Crown connection and make the JBL/Crown Cinema Systems Solutions

the superior option for uncompromising quality, reliability and innovation.



Mann Grauman's Chinese Theatre Hollywood, CA



"Academy Award" and "Oscar" images © AMPAS® Academy of Motion Pictures Arts and Sciences Samuel Goldwyn Theatre, Beverly Hills, CA



## Digital B-Chain Systems™

Now, with Crown and JBL's exclusive system control technology, Digital B-Chain™, distribution of all audio and control signals remain in the digital domain with a single ethernet network connection. Installation, configuration, EQ, monitoring and troubleshooting come under one centralized control. DBC™ is the most advanced cinema audio, control and monitoring network available today. Contact Crown and JBL for more information about this revolutionary system.



## This Catalog from Harman

Pro is designed to be used as a cinema sound system resource, helping you determine the products and con-



figurations that best fit your requirements. The system examples found on the following pages depict typical setups that might be selected for a range of cinema applications, from small, intimate theater settings to the largest, all-digital multiplex. More information on the products used in these system examples can be found in the brand product pages located in the last pages of the catalog.







ABOUT THIS EXAMPLE . . .

Together, JBL Professional and Crown International can provide unmatched performance for any size auditorium. For those smaller theatres with less than 200 seats, there is no reason to compromise when you rely on these industry leaders from Harman Professional. Reliability is expected, and value for the money is key, as many smaller auditoriums are just as worthy of award winning performances as those expected from larger auditoriums. This application example showcases a straightforward 5.1 approach using affordable full-range passive ScreenArray systems from JBL. The XLS Series of power amplifiers from Crown represents a new era in affordable, quality power amplification and are the perfect choice for passive systems similar to this one.

**JBL** The 4622N passive system utilizes a sophisticated crossover network. This benefit, coupled with the extended high-frequency response, provides the dynamic range and controlled coverage required by today's Cinema patron.

- When a 600-watt cinema system is what you need, the 4641 is the perfect choice for cost effective, low-frequency augmentation.
- The 8330A Cinema Surround Speaker offers high power handling, high sensitivity, and extended bass response in a very compact enclosure.

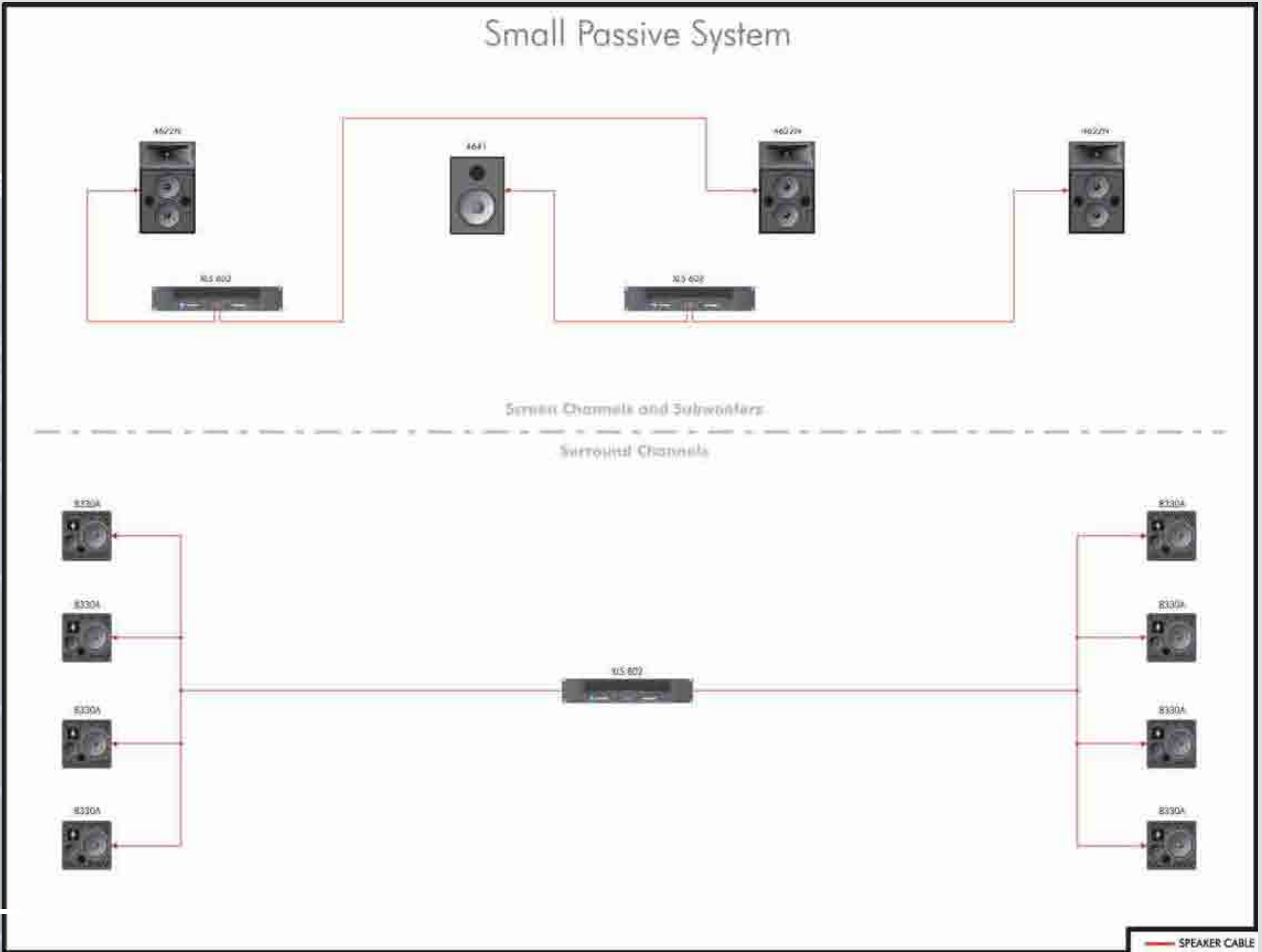
**Crown** XLS Series amplifiers are professional stereo power amplifiers engineered to meet demanding audio requirements, and stay within budget.

- The line consists of four models in a uniform, rugged 2U chassis.
- Plus, every XLS Series amplifier is backed by Crown's unequalled Three-Year, No-Fault, Fully-Transferable Warranty that covers everything.

FROM ONE OF OUR USERS. . .

"I have found that JBL's 4622N ScreenArray Systems combined with Crown XLS amps are the ideal choice for great sound on smaller budgets."

*Fred Blank, Owner  
Tri-State Theatre Supply  
Memphis, Tennessee*





ABOUT THIS EXAMPLE . . .

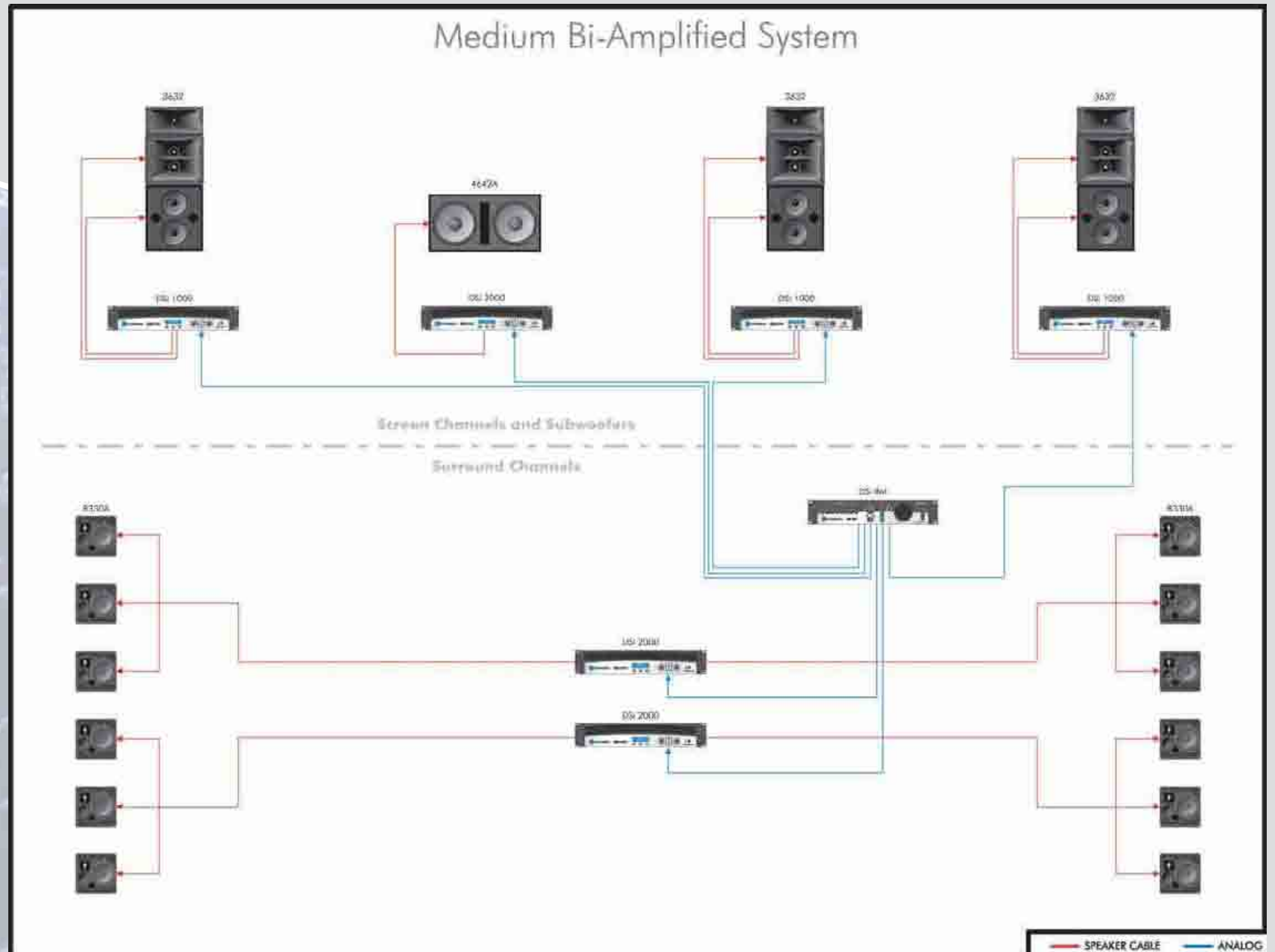
Arguably, most new auditoriums are designed as medium sized rooms between 200 to 250 seats and are capable of either 5.1 or 7.1 surround systems. This application shown provides unprecedented superior sound for this size room from JBL's 3632 ScreenArray three-way screen channel speakers. Many post production studios and screening rooms utilize the 3632 ScreenArray systems for use in the film post process, thus providing a seamless transition from the studio to the movie screen. Complimenting the JBL ScreenArray systems are the new DSi Digital Screen Series amplifiers developed by Crown and JBL. The DSi series takes a full systems approach by not only providing a full range of reliable Crown power, but also incorporating the necessary loudspeaker processing and an eight-channel system monitor. Cinema systems have never sounded better, or been easier to install, than with JBL cinema loudspeaker systems powered by Crown/JBL DSi Series amplifiers.

**JBL** The 3632 ScreenArray features true three-way system design enhanced by advanced engineering that includes JBL's patented screen spreading compensation.

- The 3632 is available for either bi-amplified or for tri-amplified operation.
- The JBL Model 4642A is a high quality subwoofer system, featuring advanced technology 460-mm (18-in.), low-frequency transducers mounted in a direct radiator, bass-reflex enclosure for smooth response to the lowest audible frequencies.
- The 8330A Cinema Surround Speaker offers high power handling, high sensitivity, and extended bass response in a very compact enclosure.

**Crown** The DSi Series includes three models that range in power from 500W, 800W, and 1200W per channel at four ohms respectively.

- DSi Series features include automatic presets for JBL cinema speaker systems for quick, easy setup.
- An intuitive front panel LCD guides installers through the process of choosing loudspeaker signal processing presets and other system parameters.
- Computer connectivity via USB allows setup of the amplifier using the included HIQnet™ System Architect™ software.
- Rear panel HD-15 connectors provide easy input/output connectivity between the amplifiers and the DSi-8M system monitor. The system monitor provides eight channels for pre-amp and post-amp signal monitoring.







ABOUT THIS EXAMPLE . . .

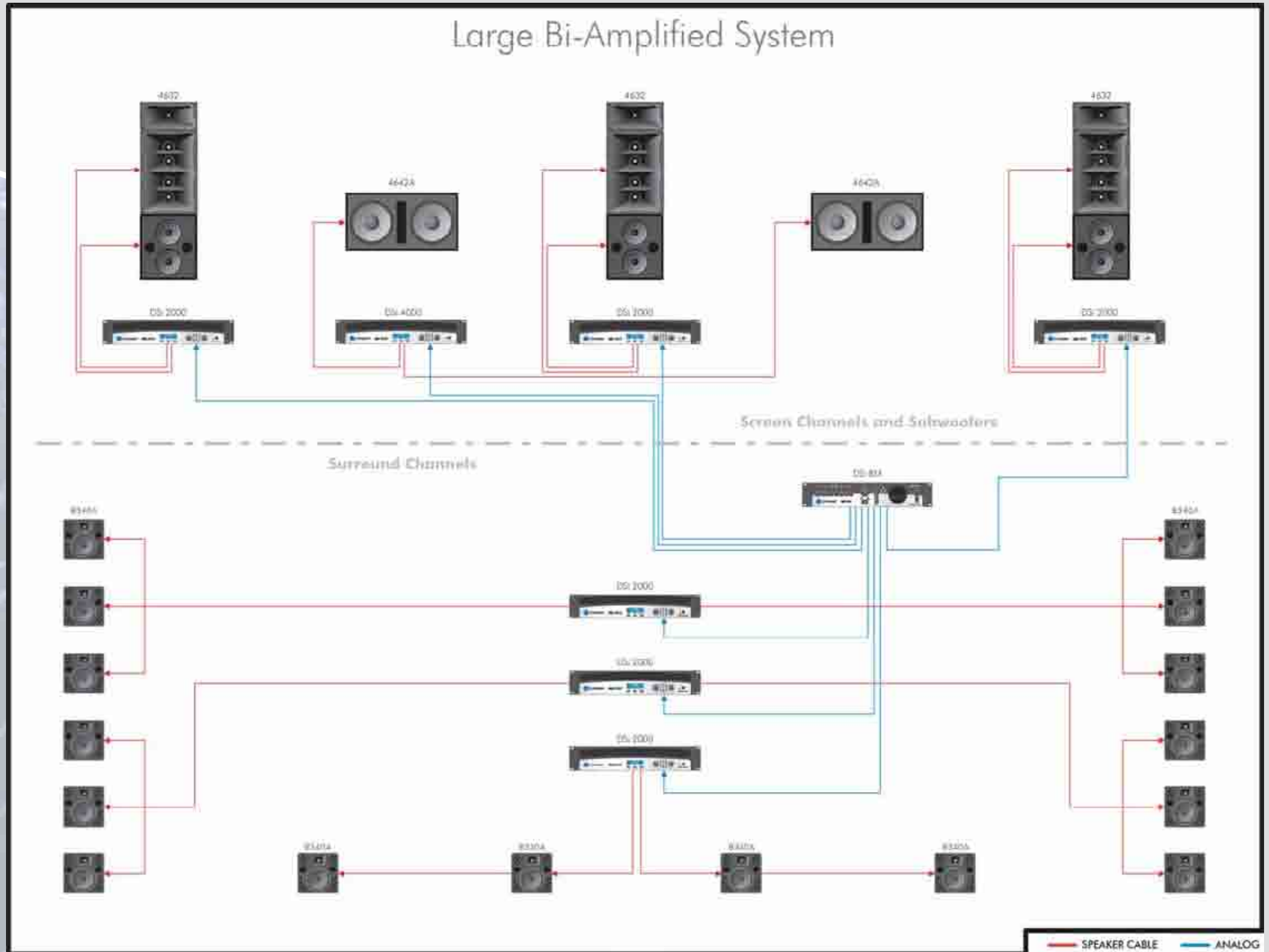
For larger auditoriums when the performance simply requires more power, processing, and more SPL, JBL and Crown offer flexible product families that allow you to scale up your systems to meet the needs of any size venue. Today's Cinema patron demands perfect coverage in every seat of the auditorium, 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. This example showcases the 4632 ScreenArray® systems with true three-way 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 new DSi series offers extended power up to 1200W at four ohms per channel, allowing you to safely power any of JBL's cinema low-frequency and sub systems.

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ABOUT THIS EXAMPLE . . .

Whether you want the best digital audio experience available, system wide control and monitoring, or the flexibility to meet the needs of any alternative content application, the Digital B-Chain system by Crown and JBL is what you are looking for. In a Digital B-Chain system, analog or digital audio is received from the cinema processor and is then transported on a digital audio and control network where it remains in the digital domain all the way to the amplifiers. The Crown® DBC Bridge allows you to distribute multiple channels of uncompressed digital audio over standard fast Ethernet hardware for use in traditional 35mm, digital cinema, and e-cinema applications. Digital B-Chain is unique in that it enables cinemas to cost-effectively upgrade to digital cinema-readiness—without the massive cost layout of converting to Digital Cinema—and yet it immediately delivers quantifiable improvements in sound system performance, efficiency and reliability. In addition, Digital B-Chain sound systems are eminently versatile, enabling cinema managers to easily re-purpose theaters for alternative applications such as pre-show advertisements, sporting and entertainment events, multi-site corporate meetings and even live performances.

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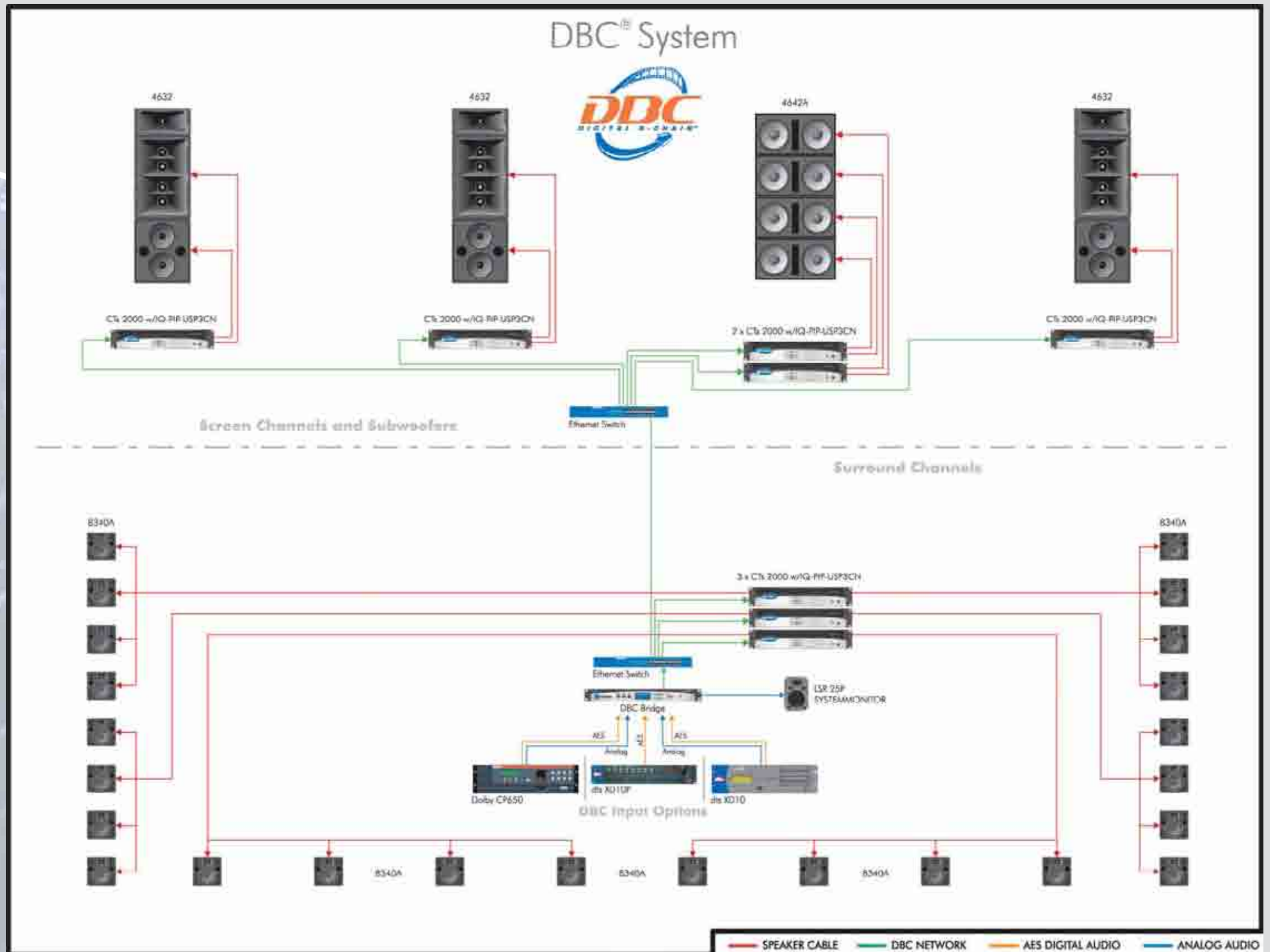
**Crown** The DBC Bridge accepts standard analog and/or AES digital audio and CobraNet™ digital channels from other Cinema processors (Dolby®, DTS®), Cinema Servers, or Alternative Content Media Players; and bridges them to a Crown DBC network for distribution to the Crown amplifiers.

- The DBC Bridge also provides the necessary system equalization, which is stored and recalled via presets for use in both feature film and alternative content programming.
- CTs series amplifiers include four two-channel models that range in power from 300W, 600W, 1000W, and 1500W at 4 ohms. The IQ-PIP-USP3/CN, installed in each two channel CTs, allows for "single-click" solutions that include digital audio and networking on the same CAT 5 cable. A massive DSP resource is available for loudspeaker processing.

FROM ONE OF OUR USERS. . .

"System control is, perhaps, the most important consideration for us. We need to be able to monitor and control every aspect of the system, and Digital B-Chain provides more control than any other product available for this purpose. We are also extremely pleased with how the unbelievable digital audio quality delivered by a DBC system improves the total UltraScreen experience. DBC from Crown and JBL is the total package—complete system control and unequalled digital audio performance."

*Mark Collins, Manager of Projection Services  
Marcus Theaters*





# ScreenArray® Systems



4632

- 4632 Three-Way ScreenArray** APPROVED THX
- Academy Award winning Screen Spreading Compensation™ and Focused Coverage Technology™.
  - Patented high-frequency horn corrects for high-frequency dispersion through perforated screens.
  - Shallow, 17.75-in. profile minimizes depth required behind the screen.
  - Available for bi-amp or tri-amp applications.
  - Delivered pre-assembled and pre-aimed.

- 3632 Three-Way ScreenArray** APPROVED THX
- For cinemas up to 300 seats.
  - Same advanced technology as 4632.
  - Designed to fit all budgets.
  - Available for bi-amp or tri-amp.
  - Pre-assembled and pre-aimed.

- 4622 Two-Way ScreenArray**
- Optimized Aperture Waveguide and patented Screen Spreading Compensation technology.
  - Bi-amp or passive [N] models.

- 3622N Two-Way ScreenArray**
- Fully passive system.



4622



3622N



Academy of Television Arts & Sciences,  
Leonard H. Goldenson Theatre,  
North Hollywood, CA  
© ATAS/NATS



4632



Specifications	4632[T]	3632[T]	4622[N]	3622N
Frequency Range (-10 dB)	30 Hz - 20 kHz	30 Hz - 20 kHz	30 Hz - 20 kHz	30 Hz - 20 kHz
Frequency Response (±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 (@ 1 m)	129 dB	126 dB	127 dB	127 dB
Crossover Frequency	250 Hz [1.2 kHz]	350 Hz [1.2 kHz]	630 Hz [750 Hz]	1300 Hz
Sensitivity: 2.83 V @ 1 m	106 dB	104 dB	101 dB	101 dB
Nominal Impedance	4 ohms	4 ohms	4 ohms	4 ohms
System Power Capacity (watts)	LF:800, M/HF:400 [HF:50]	LF:500, M/HF:200 [HF:50]	LF:800, HF:100 [600]	300
System Elements:	LF: 4639	LF: 3639 [4639]	LF:4639	LF: 3639
	M/HF: 4632 [4632T]	M/HF: 3632 [3632T]	HF: 4622 [4622N]	HF: 3622N
Dimensions (H x W x D)	2427 x 762 x 450 mm	1937 x 762 x 450 mm	1289 x 762 x 450 mm	1289 x 762 x 450 mm
	95.6 x 30 x 17.75 in.	76.3 x 30 x 17.75 in.	50.75 x 30 x 17.75 in.	50.75 x 30 x 17.75 in.
Net Weight (Each)	120.4 kg (265 lb)	97.7 kg (215 lb)	73 kg (160 lb)	65 kg (143 lb)





# Three-Way Systems

## 5674 Three-Way Screen Channel System APPROVED THX

- Unique DiamondQuad™ array features four JBL 2226H 380-mm (15-in.) low-frequency transducers.
- Used in some of the world's most prestigious cinemas, such as The Academy of Motion Picture Arts and Sciences, Samuel Goldwyn Theater, and The Director's Guild Theater in Los Angeles.

## 5672 Three-Way Screen Channel System APPROVED THX

- Vertical over-under array features two JBL 2226H 380-mm (15-in.) low-frequency transducers.
- For use in auditoriums up to 500 seats, film studios and exhibition venues.
- Tri-amp design; optional bi-amp version is available.



5674



5672

Specifications	5674	5672
Frequency Range (-10 dB)	35 Hz - 16 kHz	35 Hz - 16 kHz
Frequency Response (±3 dB)	45 Hz - 12.5 kHz	45 Hz - 12.5 kHz
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)	143/140/137 dB @ 1m	137/140/137 dB @ 1m
Crossover Freq.: (LF/MF/HF)	297 Hz & 2.5 kHz	297 Hz & 2.5 kHz
Sensitivity: 1 W, 1 m (LF/MF/HF)	103/114/112 dB	100/114/112 dB
Nominal Impedance (LF/MF/HF)	4(per driver pair)/8/8 ohms	4/8/8 ohms
LF Driver(s)	4 x 2226H (2 pair in parallel)	2 x 2226H
MF Driver/MF Horn	2490H/2392	2490H/2392
HF Driver/HF Horn	2451H/2352	2451H/2352
Dimensions (H x W x D)	2895.6 x 1118 x 863.6 mm	2768.8 x 1118 x 863.6 mm
	114 x 44 x 34 in.	109 x 44 x 34 in.
Net Weight (Each)	171.69 kg (378.5 lb)	87.3 kg (192.5 lb)

\*"Academy Award" and "Oscar" images © AMPAS® Academy of Motion Pictures Arts and Sciences Samuel Goldwyn Theatre, Beverly Hills, CA

Pacific's Cinerama Dome, Hollywood, CA

# Full-Range Two-Way Systems

## 4675C / 4675C-4(8)LF Cinema Loudspeaker System APPROVED THX

- The very best in full-range, two-way systems.
- THX Approved (4675C-8LF).
- For bi-amplified applications using an external electronic crossover or cinema processor, choose the 4675C-4LF (4 ohms) or 4675C-8LF (8 ohms).
- 4675C comes with built-in passive crossover network.

## 4670D Cinema Loudspeaker System

- The foundation for true, big-screen cinema sound.
- Remarkable dynamic range and consistent coverage.

## 3678 Cinema Loudspeaker System APPROVED THX

- Switchable built-in network for your choice of passive or bi-amp.
- THX® Approved (bi-amp mode).\*
- Shallow, 11.5-in. profile was designed for those "hard to fit" behind-the-screen spaces.

## 3677 Cinema Loudspeaker System

- Natural sound quality for both music and dialog.
- All-in-one enclosure requires no field assembly, simplifying setup and reducing cost of installation.
- Classic JBL performance.

\*The 3678 in bi-amplified mode is THX approved for theaters no larger than 45,000 cubic feet and screen-to-last-row distances no greater than 40 feet.



4675C-4(8)LF

4675C / 4675C-4(8)LF



3678



3677



4670D

Specifications	4675C	4675C-4(8)LF	4670D	3678	3677
Frequency Range (-10 dB)	35 Hz - 20 kHz	35 Hz - 20 kHz	35 Hz - 20 kHz	30 Hz - 20 kHz	40 Hz - 20 kHz
Frequency Response (±3 dB)	40 Hz - 16 kHz	40 Hz - 16 kHz	40 Hz - 16 kHz	45 Hz - 12 kHz	45 Hz - 12 kHz
Power Capacity**	600 W	1200 W (LF) 100 W (HF)	600 W	300 W	250 W
Crossover Angles (H x V)	90° x 40°	90° x 40°	90° x 40°	90° x 90°	90° x 40°
Crossover Frequency***	500 Hz	500 Hz	500 Hz	1 kHz	1.2 kHz
Sensitivity: 1 W, 1 m	100 dB SPL	100 dB SPL (LF)	100 dB SPL	98 dB SPL	99 dB SPL
Nominal Impedance	4 ohms	LF: 4 ohms (4LF)/8 ohms (8LF)	4 ohms	8 ohms	8 ohms
LF Driver(s)	2 x 2035H	2 x 2226H (J)	2 x 2035H	2226H	2035H
HF Driver	2446H	2446H	2446H	2425HS	2416-1
Horn	2360B/2506C	2360B/2506C	2380A	2342	2373
System Elements: LF	4638TH	4648A/4648A-8 (8LF)	4638TH	3678-LF	(All in one enclosure)
System Elements: HF	4675C-HFA	4675C-HFA	4670D-HF	3678-HF	
Dimensions (H x W x D)	1797 x 770 x 949 mm	1797 x 770 x 949 mm	1289 x 673 x 438 mm	1019 x 651 x 292 mm	765 x 651 x 292 mm
	70.75 x 30.312 x 37.375 in.	70.75 x 30.312 x 37.375 in.	50.75 x 26.5 x 17.25 in.	40.125 x 25.625 x 11.5 in.	30.125 x 25.625 x 11.5 in.
Net Weight (Each)	98 kg (215 lb)	98 kg (215 lb)	92 kg (203 lb)	41 kg (90 lb)	39 kg (85 lb)

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

\*\*\*Due to standard motion picture recommendations, theatre systems with large format compression drivers are specified with 500 Hz crossovers.



# Subwoofers

## 4642A Cinema Subwoofer System <sup>APPROVED</sup> THX

- Dual 460-mm (18-in.) subwoofer system.
- VGC™ (Vented Gap Cooling) 2241H low-frequency transducers.
- 1200-watt power capacity for smooth response down to the lowest audible frequencies.
- Available with or without grille.



4642A

## 4645C Cinema Subwoofer System <sup>APPROVED</sup> THX

- Single 460-mm (18-in.) direct-radiator bass reflex subwoofer system.
- Features the 2242 SVG™ (Super Vented Gap) low-frequency transducer.
- 800-watt power capacity.



4665C

## 4641 Cinema Subwoofer System <sup>APPROVED</sup> THX

- The perfect choice for cost-effective, low-frequency augmentation.
- One 460-mm (18-in.) JBL 2241 VGC™ (Vented Gap Cooling) low-frequency transducer.



4641

## 3635 Cinema Subwoofer System

- Perfect for small cinemas, small budgets.
- One 460-mm (18-in.) transducer.
- Unobtrusive shallow enclosure.



3635

Specifications	4642A	4645C	4641	3635
Frequency Range (-10 dB)	22 Hz - 500 Hz	To 22 Hz (no EQ)	25 Hz - 500 Hz	28 Hz - 500 Hz
Frequency Response (±3 dB)	see indiv. spec sheet	see indiv. spec sheet	see indiv. spec sheet	38 Hz - 100 Hz
Power Capacity	1200 W	800 W	600 W	300 W
Crossover Frequency	80- 100 Hz	80- 100 Hz	80- 150 Hz	100 Hz
Sensitivity: 1 W, 1 m	101 dB SPL	97 dB (40 - 100 Hz)	97 dB (40 - 100 Hz)	100 dB
Nominal Impedance	4/8 ohm wired in parallel	8 ohms	8 ohms	8 ohms
LF Driver(s)	2 x 2241H (18 in.)	2242H (18 in.)	2241H (18 in.)	2042H (18 in.)
Dimensions (H x W x D)	762 x 1219 x 610 mm	999.6 x 647.7 x 450 mm	999.6 x 647.7 x 450 mm	1168 x 651 x 368 mm
	30 x 48 x 24 in.	39 x 25.5 x 17.75 in.	39 x 25.5 x 17.75 in.	46 x 25.625 x 14.5 in.
Net Weight (Each)	98 kg (216 lb)	63 kg (138 lb)	60 kg (131 lb)	51 kg (113 lb)

Mann Westwood Village, Los Angeles, CA

# Surround Sound Systems

## 8340A Cinema Surround System <sup>APPROVED</sup> THX

- The industry standard for extended dynamic range required by today's digital sound formats.
- High sensitivity and extended bass response.
- Robust, 250-watt power handling capacity.
- Compact cabinet mounts unobtrusively in any setting.
- Two-way design features one 250-mm (10-in.) low-frequency driver and one 25-mm (1-in.) high-frequency horn/driver.



8340A

## 8330A Cinema Surround System <sup>APPROVED</sup> THX

- Three-way system features a 200-mm (8-in.) low-frequency driver, 130-mm (5-in.) midrange transducer, and 25-mm (1-in.) titanium laminate dome tweeter.
- Modern, molded black textured enclosure with black grille.



8330A

## 3310 Cinema Surround System

- One 200-mm (8-in.) low-frequency driver, one 25-mm (1-in.) titanium dome high-frequency tweeter.
- Newly-designed passive network with driver protection circuit.
- Built-in installation points.
- Special cabinet shape with angled front baffle for common aiming angle (-15°).
- Input terminals located on cabinet top for quick access.



3310

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

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





# Amplifiers

HiQnet™ compatible

## DSi Series Amplifiers

- Integrated proprietary DSP with LCD front-panel display.
- JBL Cinema Systems presets for crossover frequencies, EQ, limiting and delay.
- All products fill 2U rack spaces and weigh under 17 pounds.
- Computer connectivity via USB allows fast setup and configuration with HiQnet™ System Architect™ software.

## DSi-8M System Monitor

- Provides eight channels for pre-amp and post-amp signal monitoring.
- HD-15 connectors provide easy input/output connectivity between DSi amplifiers.



DSi Series

Model	Power Output*				
	2-ohm Dual (per channel)	4-ohm Dual (per channel)	8-ohm Dual (per channel)	4-ohm Bridge	8-ohm Bridge
DSi 1000	700W	500W	275W	1400W	1000W
DSi 2000	1000W	800W	475W	2000W	1600W
DSi 4000	1600W	1200W	650W	3200W	2400W

\*Maximum average power in watts at 1 kHz at 0.5% THD.

## XLS Series Amplifiers

- Housed in a rugged, all-steel 2U chassis.
- Efficient forced-air fan prevents excessive thermal buildup.
- Electronically balanced XLR inputs; touch-proof binding post and Speakon® outputs.

- Precision detented level controls, power switch, power LED, and six LEDs, which indicate clip, signal and fault for each channel.



XLS Series

Model	Power Output*				
	2-ohm Dual (per channel)	4-ohm Dual (per channel)	8-ohm Dual (per channel)	4-ohm Bridge	8-ohm Bridge
XLS 202	330W	300W	200W	660W	600W
XLS 402	570W	450W	300W	1140W	900W
XLS 602	840W	600W	380W	1680W	1200W
XLS 802	1050W	800W	500W	2100W	1600W

\*Maximum average power in watts at 1 kHz at 0.5% THD.



## CTs Two-Channel Amplifiers

- High power density. All two channel models in a 2U chassis.
- Crown Switching Power Supply for lighter weight.
- Accept JBL ScreenArray PIP crossover modules for bi-amp operation.
- DBC® compatible.



CTs Two-Channel Series

HiQnet™ compatible



## CTs Four- & Eight-Channel Amplifiers

- High power density. Four channel model in a 2U chassis; eight channel model in a 3U chassis.
- "FIT" (Fault Isolation Topology) circuitry isolates fault conditions without affecting neighboring channels.



CTs Four- & Eight-Channel Series

HiQnet™ compatible



Model	Power Output*				
	2-ohm Dual (per channel)	4-ohm Dual (per channel)	8-ohm Dual (per channel)	4-ohm Bridge	8-ohm Bridge
CTs 600	150W**	300W	300W	300W**	600W
CTs 1200	250W**	600W	600W	500W**	1200W
CTs 2000	1000W	1000W	1000W	2000W	2000W
CTs 3000	1500W	1500W	1250W	3000W	3000W
CTs 4200**	—	260W	180W	—	520W
CTs 8200**	—	200W	160W	—	400W

\*Maximum average power in watts at rated THD, 20 Hz - 20 kHz. \*\*Maximum average power in watts at 1 kHz at 0.1% THD.

## DBC™ Network Bridge

The heart of a Digital B-Chain™ system. Allows you to distribute multiple channels of digital audio over standard fast Ethernet hardware and cabling for use in traditional, e-cinema and d-cinema applications.



DBC Network Bridge

- Accepts 8 inputs (7.1 surround) via one of the following formats: Analog, AES/EBU, or CobraNet®.
- Selectable mic or line auxiliary analog XLR inputs for alternative content.
- Primary and Secondary 100mb Ethernet "Single-Click" connection for DBC network.
- Front-panel LCD display and control functions of internal presets and system setup.
- 32 presets capable of recall from front panel.



## ScreenArray PIP Modules

Crown ScreenArray PIP™ Modules are high-quality crossover and equalization modules designed specifically for use with JBL Cinema Systems. Install into the back of CTs Series amplifiers. They offer easy connectivity with DSi-8M System Monitor.



- PIP-4622: Use with JBL4622 ScreenArray.
- PIP-4632: Use with JBL4632 ScreenArray.
- PIP-3632: Use with JBL3632 ScreenArray.
- PIP-USL: Passive module; provides easy connectivity with DSi-8M.

## Network Modules

Allow compatible amplifiers to be controlled and monitored via a network, including CobraNet® networked audio transport available in IQ-PIP-USB3/CN module.

- PIP-LITE: Load supervision and audio control.
- PIP-USB3/CN: Control, DSP processing, plus CobraNet connectivity. Our most advanced and versatile module.
- PIP-USB3: Supervision and control plus DSP, delay and more.



# Signal Processing



## DriveRack® 260

- 2 x 6 processor with onboard speaker tunings for many JBL Cinema systems.

