

HEAR THE DIFFERENCE

Where do you find the most carefully considered, technically brilliant, wholly immersive sound?

Probably not in concert halls, or even in recording studios. These days you'll find it in cinemas.

Christie Vive Audio is a complete solution that's been built for one purpose, to bring premium cinema sound to any theatre - and to any seat in any theatre.

It combines the superior performance of planar ribbon drivers with line array loudspeaker design and matches them with powerful Class D amplification to immerse audiences in the latest highly-detailed cinema audio formats.

It's the ultimate cinema sound experience, and it's been designed so that every seat will benefit from pure, directional, sound that makes movies come alive.

Cinema audio is not rock and roll audio and it's not concert hall audio. It has a very different purpose; one that perhaps only a company fully immersed in the business of making and delivering movies fully appreciates.

CHRISTIE[®]
VIVE AUDIO 

A large, glowing meteor streaks across a dark sky, leaving a long, bright trail of fire and smoke. The meteor is positioned diagonally from the top left towards the bottom right. Below the meteor, a portion of a reddish planet's surface is visible, showing a textured, rocky terrain. The background is a deep black space filled with numerous small, distant stars. The overall scene is dramatic and intense, capturing the moment of a major celestial event.

"Show these gentlemen
to the best seat in the house..."

Un monstre à Paris. Directed by Bibo Bergeron, 2011

VIVE AUDIO

Which is faster? Sound or light? The unexpected answer – in the human brain at least - is sound. Your brain reacts to sound in point-zero-five seconds – It takes it four times that to react to light.



CHRISTIE
VIVE AUDIO

LA4/S215



Even though we think of vision as our primary sense, hearing is equally but subtly just as important. It once kept us safe from tigers in the dark, it's still the sense we rely on first when interpreting the world. Or a movie.

Evolution has seen to that. And that has huge implications for cinema. It means cinema sound isn't just about clear dialogue and subwoofer explosions. It isn't secondary to what's on screen, it's what our brains are hard-wired to process first. Watching films has more to do with listening than anyone ever imagines; in many ways sound extends film beyond the screen, it's the true third dimension. And that's what makes Vive Audio so important.

Christie Vive Audio certainly makes dialogue clear and explosions rumble - and does so very well. But its real genius is that it does so for every audience member in every seat, front row to back, side aisle to center. It leaves no blank spots, no missing moments, everyone gets the film they paid for, the full story, fully delivered, just how the director intended.

Achieving this means using some advance audio techniques. We use ribbon driver technology because, unlike compression drivers, their low mass reacts instantly to audio signals. Clarity is enhanced, distortion is much lower, transient responses are ultra fast, and there's no high-frequency breakup. Everything sounds more natural.

It's also why we use Vive Audio cinema amplifiers to complement the high-performance features of those ribbon drivers. High-power output and efficiency for dynamic, detailed sound.

Finally, our line array loudspeakers, known for their coverage and directionality deliver every decibel. To every customer. In every seat.

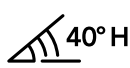


Vive Audio/LA Series



LA SERIES

Small- to medium-screen auditoriums | Immersive |
Premium large format | Event cinema | Screening rooms



Advanced loudspeakers that are the ideal platform for today's immersive cinema audio applications. Comprising line array, surround and ceiling surround loudspeakers, the LA Series can be configured to support all DCI-specified distributed and immersive audio formats. And you can combine certain models with our S115 or S215 subwoofers to create full-range screen channel systems or corner surrounds.



Discover more



[LA Series brochure](#)

Key features and specifications of the Vive Audio LA Series loudspeakers



[Psychoacoustic proximity effect of line array systems whitepaper](#)

Read how this phenomenon enables audiences to experience a truly immersive audio visual environment





Key features



Planar ribbon driver technology ensures perfect timbre-matching across the lineup



Dramatically higher RMS to peak max



SPL ratio than compression driver systems



Approximately four times the optimal listening area than typical systems



Meets a minimum 5:1 safety rating for installation



Versatile installation capabilities with a variety of M8 and M10 fittings



Backed by a limited 5-year warranty

Line array loudspeakers



LA1
145-106108-03



LA3i
145-013105-01



LA4
145-120104-01



LA5
145-122106-01

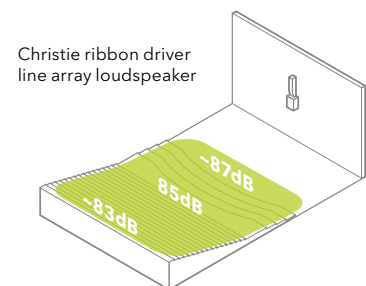
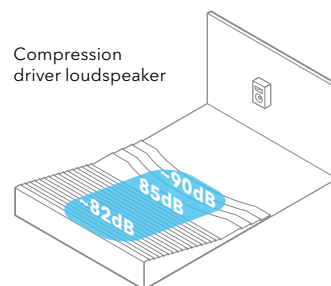
System type	Fixed arcuate ribbon driver line array, 2-way, passive, in a single sealed enclosure			
Driver components	HF: 9 x 3.5" with Kapton® diaphragm and Neodymium magnets MF: 6 x 5.25" paper/ Kevlar composite mid-bass cone drivers	HF: 12 x 3.5" with Kapton diaphragm and Neodymium magnets MF: 8 x 5.25" paper/ Kevlar composite mid-bass cone drivers	HF: 8 x 6.5" with Neodymium magnets MF: 8 x 6.5" paper/ Kevlar composite mid-bass cone drivers	HF: 12 x 6" with Neodymium magnets MF: 12 x 6.5" paper/ Kevlar composite mid-bass cone drivers
Maximum SPL	123dB SPL continuous, 135dB SPL peak	127dB SPL continuous, 128.8dB SPL peak	131dB SPL continuous, 143dB SPL peak	131dB SPL continuous, 143dB SPL peak
System coverage	120° horizontal / 30° vertical dispersion	100° horizontal / 40° vertical dispersion	120° horizontal / 40° vertical dispersion	120° horizontal / 50° vertical dispersion

Performance specifications are typical. Due to constant research, specifications are subject to change without notice.

Line array loudspeakers

Make every seat in the house the best seat. Line array loudspeakers are renowned for their ability to produce superior coverage and directionality meaning your customers benefit from impeccably detailed audio no matter where they sit in the auditorium.

Typical listening area comparison





Surround loudspeakers

Ceiling surround loudspeakers



LA3Si
145-182102-01



LA4S
145-106108-03



LA3C
145-111104-02



LA4C
145-144100-01



LA5C
145-134109-02

System type Coaxial parabolic ribbon driver line array, 2-way, passive, in a single ported enclosure

Driver components	HF: 6 x 3.5" with Kapton® diaphragm and Neodymium magnets MF: 4 x 5.25" paper/ Kevlar composite mid-bass cone drivers	HF: 4 x 6" with Kapton diaphragm and Neodymium magnets MF: 4 x 6.5" paper/ Kevlar composite mid-bass cone drivers	HF: 12 x 3.5" with Kapton diaphragm and Neodymium magnets MF: 8 x 5.25" paper/ Kevlar composite mid-bass cone drivers	HF: 8 x 6" with Kapton diaphragm and Neodymium magnets MF: 8 x 6.5" paper/ Kevlar composite mid-bass cone drivers	HF: 12 x 6" with Kapton diaphragm and Neodymium magnets MF: 12 x 6.5" paper/ Kevlar composite mid-bass cone drivers
Maximum SPL	119.6dB SPL continuous, 131dB SPL peak	119.6dB SPL continuous, 131dB SPL peak	124.5dB SPL continuous, 136.5dB SPL peak	130dB SPL continuous, 142dB SPL peak	131dB SPL continuous, 143dB SPL peak
System coverage	120° horizontal / 120° vertical dispersion	128.5dB SPL continuous, 140.5dB SPL peak	120° horizontal / 120° vertical dispersion	120° horizontal / 100° vertical dispersion	120° horizontal / 100° vertical dispersion

Ribbon driver technology

Extremely low in mass, ribbon drivers react instantaneously to audio signals providing greatly enhanced clarity, dramatically reduced distortion, and ultra-fast transient response, eliminating the effects of high-frequency breakup and power compression. Speech, effects, music, and alternative content sound more natural and lifelike for an enhanced listening experience that audiences notice.



Premium cinema sound

Christie Vive Audio™ LA Series loudspeakers feature extremely fast transient response times thanks to low-mass planar ribbon driver technology. This eliminates the effects of high-frequency breakup and power compression while delivering dramatically reduced distortion, enhanced intelligibility, and high dynamic range for the most accurate reproduction of the original source material.

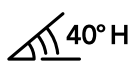


Vive Audio/LS Series



LS SERIES

Small- to medium-screen auditoriums | Immersive |
Post-production | Boutique cinema | Screening rooms



Cost-effective cinema line source loudspeakers that provide accurate reproduction of high dynamic range and high resolution DCI-specified audio for small-to-medium sized theatres. With advanced planar ribbon driver technology, the LS Series includes four-way screen channel systems with dual planar ribbon tweeters and two-way surround channel loudspeakers.



Discover more



[LS Series brochure](#)

Key features and specifications of the Vive Audio LS Series loudspeakers



[Advantages of Christie Vive Audio planar ribbon driver and line array technologies for cinema sound whitepaper](#)

Find out which technology building blocks form the best foundation for the accurate reproduction of today's leading audio formats





Key features



Planar ribbon drivers provide better RMS-to-peak max SPL ratio than compression driver systems for enhanced voice intelligibility, superb sonic balance and less distortion



High-efficiency design enables the use of lower power amplifiers – for overall cost-savings



Acoustically isolated and extensively damped to minimize driver interaction and enhance small-level signal resolution



Rotatable MF-HF wave-guides on screen channel loudspeakers increase installation options



Higher resolution audio and dynamic range reproduction than standard cinema audio loudspeaker systems



Sophisticated crossover design with frequency shading technology and optimized acoustic integration of transducers provide a wide horizontal dispersion and controlled vertical dispersion pattern



Backed by a limited 5-year warranty

Screen channels



LS1
145-170109-01



LS2
145-172101-01

System type	Four-way, bi-amp, ported enclosure	
Driver components	<p>HF: high output 2 x 3" planar ribbon with Kapton® diaphragm and Neodymium magnets</p> <p>MF: 6.5" paper/Kevlar high efficiency midrange with 38mm edgewound voice coil</p> <p>LF: 15" paper composite cone driver with 100mm diameter voice coil</p>	<p>HF: high output 6" and 3" planar ribbon with Kapton diaphragm and Neodymium magnets</p> <p>MF: 6.5" paper/Kevlar high efficiency midrange with 51mm edge wound voice coil</p> <p>LF: 2 x 15" paper composite cone driver with 100mm diameter voice coil</p>
Maximum SPL	123dB SPL continuous, 126dB SPL peak	126.5dB SPL continuous, 129dB SPL peak
System coverage	100° horizontal / 40° vertical dispersion	



Surround loudspeakers

Ceiling surround loudspeakers



LS1S
145-171100-01



LS2S
145-173102-01



LS5S
145-175104-01



LS2C
145-186106-01

System type Coaxial parabolic ribbon driver line array, 2-way, passive, in a single ported enclosure

Driver components	HF: 3.5" planar ribbon driver with Kapton® diaphragm and Neodymium magnets	HF: 3" planar ribbon driver with Kapton diaphragm and Neodymium magnets	HF: 3" planar ribbon driver with Kapton diaphragm and Neodymium magnets	2" annular ribbon HF driver with Kapton diaphragm, Neodymium magnets and 1.2" exit coaxially mounted within 12" paper Kevlar composite cone driver
	LF: 8" paper/Kevlar composite cone with 51mm diameter edge wound voice coil	LF: 8" paper/Kevlar composite cone with 51mm diameter edge wound voice coil	LF: 10" paper/Kevlar composite cone with 64mm diameter edge wound voice coil	
Maximum SPL	114dB SPL continuous, 117dB SPL peak	116.5dB SPL continuous, 119dB SPL peak	121dB SPL continuous, 123dB SPL peak	130dB SPL continuous, 142dB SPL peak
System coverage	100° horizontal / 50° vertical dispersion			100° spherical cone

Cost-effective, high-performance cinema audio

Featuring planar ribbon drivers, Vive Audio® LS Series provides dramatically higher RMS-to-peak max SPL ratio than compression drivers, improving performance and intelligibility. Rotatable waveguides, slim enclosures, and multiple mounting options make the LS Series easy to discreetly install into any space-constrained auditorium





Vive Audio/S Series



S SERIES

Mainstream cinema | Immersive auditoriums |
Post-production | Premium large format | Screening rooms



27Hz 20Hz

Christie Vive Audio® S Series subwoofers offer low distortion, low power compression, and minima turbulence to deliver extended low frequency response at extremely high output levels for powerful and deep bass. S118LP and S218LP models are engineered for the reproduction of Low Frequency Effects (LFE). Combine the S115 and S215 with our LA Series loudspeakers to create full-range audio systems that can be used as screen channels or as corner surrounds for bass management. Integrated fly points offer installation flexibility.

CHRISTIE®
VIVE AUDIO

Discover more



[S Series brochure](#)

Key features and specifications of the Vive Audio S Series subwoofers



[Cinema audio: How new technologies are helping realize DCI audio specifications whitepaper](#)

An integrated systems approach can enable cinemas to realize the potential of the DCI audio soundtrack





S115
145-108100-01



S215
145-103105-01



S118LP
145-180100-01



S218LP
145-181101-01

Application	Bass management	Bass management	Low frequency effects	Low frequency effects
System type	Subwoofer, ported enclosure, with EBS tuning			
Driver components	1 x 15" low frequency driver with dual 4" voice coils and long linear excursion	2 x 15" low frequency drivers each with dual 4" voice coils and long linear excursion	1 x 18" low frequency driver with dual 4" voice coils and long linear excursion	2 x 18" low frequency drivers each with dual 4" voice coils and long linear excursion
Frequency response	27-300Hz @ -10dB 30-250Hz @ -6dB	27-300Hz @ -10dB 30-250Hz @ -6dB	20-250Hz @ -10dB 24-200Hz @ -6dB	20-250Hz @ -10dB 24-200Hz @ -6dB
Maximum SPL	125dB SPL continuous, 137dB SPL peak	131dB SPL continuous, 143dB SPL peak	127.5dB SPL continuous, 139.5dB SPL peak	133.5dB SPL continuous, 145.5dB SPL peak
Sensitivity	1W/1m: 97dB (40-150Hz)	1W/1m: 100dB (40-150Hz)	1W/1m: 97dB (40-150Hz)	1W/1m: 100dB (40-150Hz)
Power handling	600W (AES) continuous 1200W (IEC) short term	1200W (AES) continuous 2400W (IEC) short term	1000W (AES) continuous 2000W (IEC) short term	2000W (AES) continuous 4000W (IEC) short term
Rated impedance	8 ohms	4 ohms	8 ohms	4 ohms

Key features



High cubic displacement cabinet, heavily cross-braced, ported and tuned



Extra-large port area with rounded edges for minimal air turbulence noise



Backed by a limited 5-year warranty



Each driver has a discrete, internal ported enclosure for optimal performance



S115 and S215 models are overhead rated for safe installs and use integrated fly points

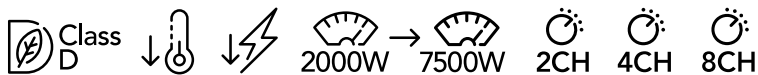


Amplifiers



POWERSOFT AMPLIFIERS

Mainstream cinema | Immersive auditoriums |
Post-production | Premium large format



Drawing from Powersoft’s pioneering developments, the Duocanali and Quattrocanali amplifiers offer truly amazing sound quality and pair exceptionally well with our Vive Audio® loudspeaker range. Featuring the latest advances in switched-mode technology, Class-D design, and high-power capabilities, these class-leading, energy-efficient amplifiers also feature numerous developments including Smart Rail Management technology, which helps lower overall power consumption in a compact 1RU chassis design.

Discover more



Quattrocanali Series

Key features and specifications of the Quattrocanali Series



Duecanali Series

Key features and specifications of the Duecanali Series



Cinema audio: How new technologies are helping realize DCI audio specifications whitepaper

An integrated systems approach can enable cinemas to realize the potential of the DCI audio soundtrack




**DUECANALI
4804**

145-051118-XX

**QUATTROCANALI
1204**

145-048114-XX

**QUATTROCANALI
2404**

145-045111-XX

**QUATTROCANALI
4804**

145-042118-XX

Output power per channel		3000W @ 2 Ω 2400W @ 4 Ω 1250W @ 8 Ω	400W @ 2 Ω 300W @ 4 Ω 300W @ 8 Ω	800W @ 2 Ω 600W @ 4 Ω 600W @ 8 Ω	1500W @ 2 Ω 1200W @ 4 Ω 1200W @ 8 Ω
Bridge mode		6000W @ 4 Ω 4800W @ 8 Ω	800W @ 4 Ω 600W @ 8 Ω	1600W @ 4 Ω 1200W @ 8 Ω	3000W @ 4 Ω 2400W @ 8 Ω
Max unclipped output voltage @ 8 Ω Bridge mode		142V peak	70V peak	100V peak	139V peak
Current		80A peak	33A peak	45A peak	
Power supply	Universal, regulated switch mode with Power Factor Correction (PFC)				
Nominal power requirement	100-240V +/- 10%, 50-60Hz				
Operating voltage		60V - 264V	90V -264V		
Power consumption	Idle	115V: 30.3W - 0.34A 230V: 31.0W - 0.32A	115V: 31.0W - 0.45A 230V: 31.8W - 0.26A	115V: 31.0W - 0.45A 230V: 31.8W - 0.26A	115V: 31.0W - 0.47A 230V: 32.0W - 0.28A
	1/8 of max power @ 4 Ω	115V: 777W - 7.0A 230V: 753W - 3.9A	115V: 227W - 2.1A 230V: 251W - 1.4A	115V: 406W - 2.1A 230V: 438W - 2.39A	115V: 823W - 7.7A 230V: 840W - 4.3A
Operating temperature range	32-113 F (0-45 C)				
Thermal dissipation	Idle	115V: 103 BTU/h 230V: 106 BTU/h	115V: 107 BTU/h 230V: 109 BTU/h	115V: 107 BTU/h 230V: 109 BTU/h	115V: 106 BTU/h 230V: 107 BTU/h
	1/8 of max power @ 4 Ω	115V: 606 BTU/h 230V: 522 BTU/h	115V: 262 BTU/h 230V: 345 BTU/h	115V: 361 BTU/h 230V: 361 BTU/h	115V: 759 BTU/h 230V: 840 BTU/h

Key features

Universal switch-mode power supply up to 4000VAC tolerant with Power Factor Correction

Fixed frequency switch-mode output stage for high-grade sound accuracy

Fully protected circuit design with thermal protection

Standard Phoenix® connectors: analog audio outputs, aux supply, alarms, and GPIO

Easy to set up - User-selectable gain/sensitivity with digital gain-attenuator control, built-in defeatable clip limiters and gate selection per channel

Compact 1RU size for reduced rack cost and space

VHF protection - protects loudspeakers against non-audible, strong, non-musical high frequency signals