

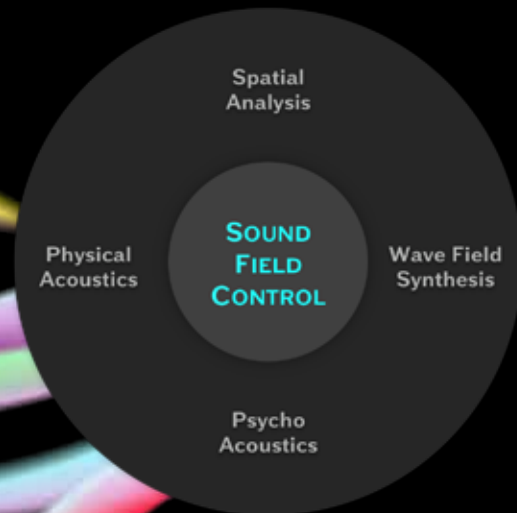


Sonic Wave I

The pro listening experience

Absolute 3D Sound

Experience the extraordinary breakthrough of the patented Absolute 3D sound technologies that solves the challenges in attaining optimal, yet flexible acoustics for different applications. Absolute 3D sound allows everyone in the audience to receive the same perfect natural sound impression throughout their listening experience, no matter where they are positioned.



Sound Field Processing

Creating the perfect sound for all listeners. The Sonic Wave I 3D sound processor enlarges the listening zone of conventional surround sound and enables perfect audio imaging for all listeners. With the foundation of sound field control, wave field synthesis creates even further possibilities by allowing the user to place the sounds wherever they want without delay. Through our research, Sonic Emotion's Sound Field Control algorithms have been able to reduce by a factor of 10 the number of required loudspeakers in Wave Field Synthesis based installations while improving overall sound quality.





1,000,000

To date, the Sonic Wave I has entertained over a million listeners with an enhanced 3D sound listening experience and planned to double this figure in 2013.

200

With proof of concept, our state-of-the-art Absolute 3D sound technology has received worldwide recognition gaining the respect of industry experts and trust from our clients. As a result, the Wave I has been integrated into permanent and temporary installations worldwide.

2002

Founded in Zurich, Switzerland, Sonic Emotion's Absolute 3D sound technology was developed from the concept of sound field control through the application of expertise in four fundamentals of 3D sound.

69

Sonic Emotion's Professional Systems distributor network operates in three different regions of the world: Asia, Europe and the Americas within 69 countries.

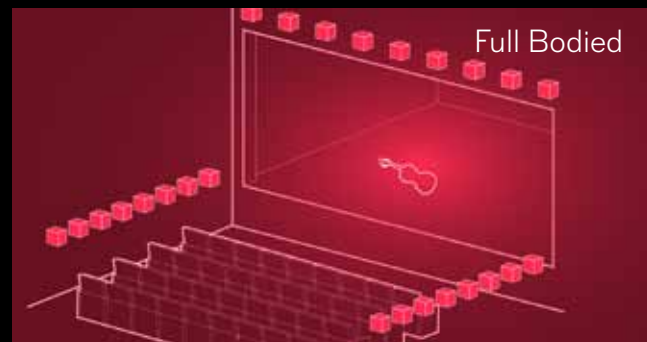
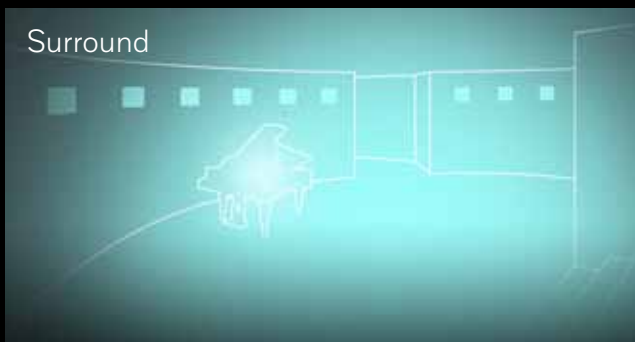
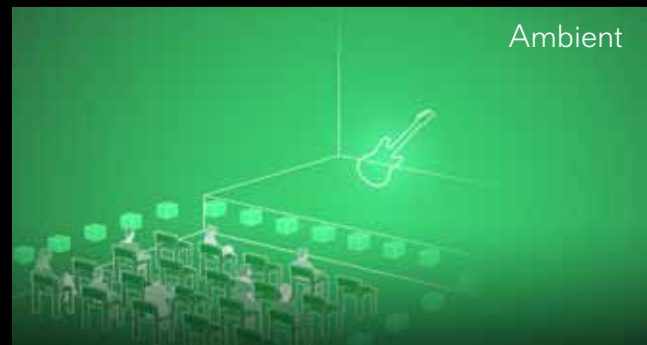
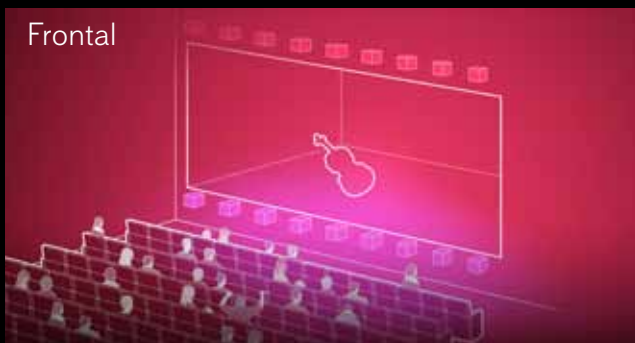
Sonic Wave I



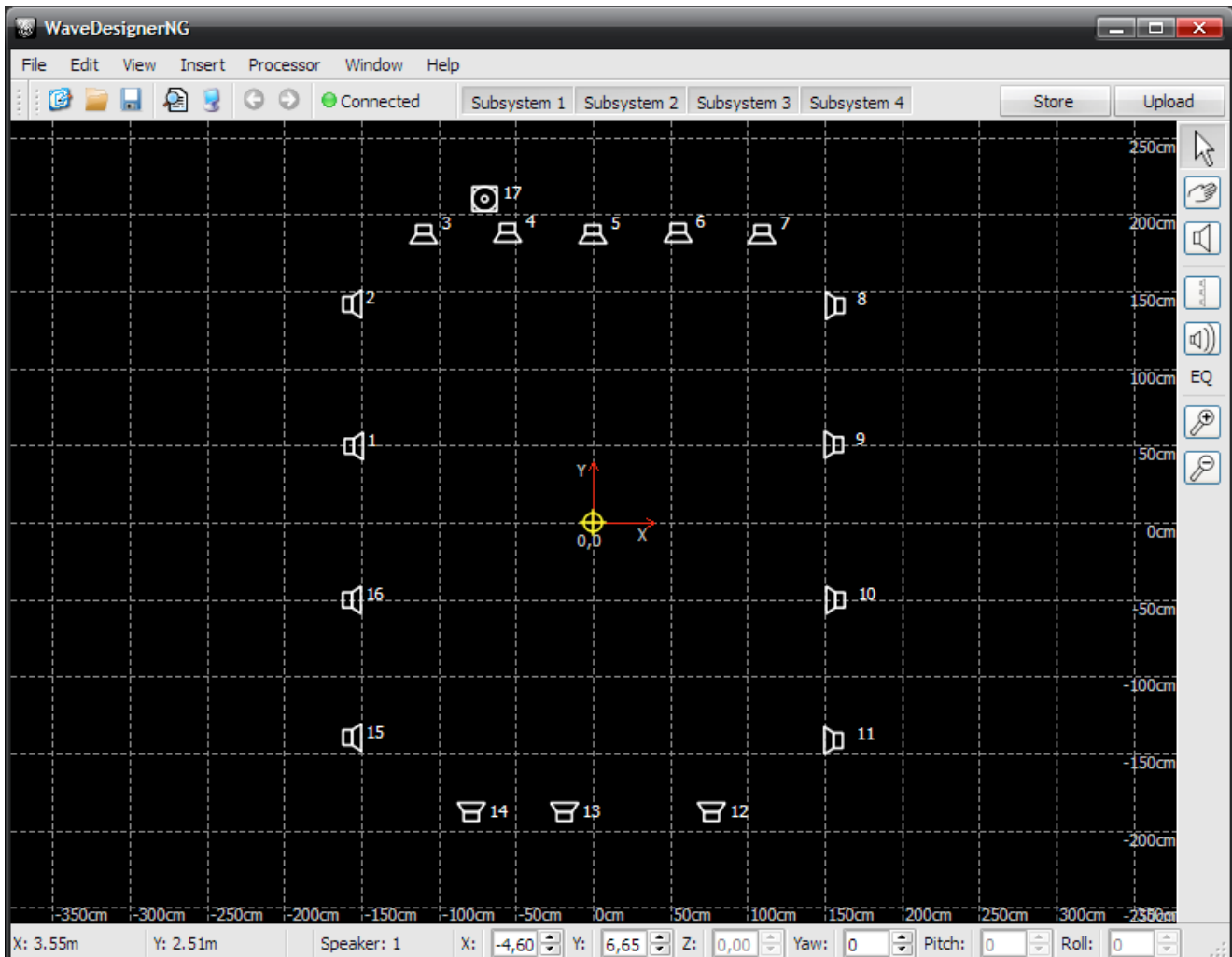
Simple, flexible audio tool for professionals.

Extraordinary experiences with virtual room acoustics and natural spatial renderings.

- Provides simple multi-room/layer capabilities
- Seamless adaptability maintaining the venue's aesthetic with reduced amount of loudspeakers
- Employs easy to use interfaces
- Allows unlimited pre-sets with flexible control
- Integrates wave field synthesis in a complete, cost effective turnkey system



WaveDesigner



Define the size of your room and program the position of your speakers (up to 32 or 64) within minutes, with the easy-to-use graphical user interface. The processor then calculates the delay, gain and directivity adjustments for the integrated sound system. This step is done once and let's the Sonic Wave I processor calculate the filters and parameters, which are used for the rendering. Regardless of the amount of speakers and their position, audio material fed in the processor can be positioned as virtual sound sources in the room.

Key Features

Innovative, Enhanced Flexibility

Even if your venue has multiple systems to control, your environments can be easily configured to various applications such as theaters, clubs and live events.

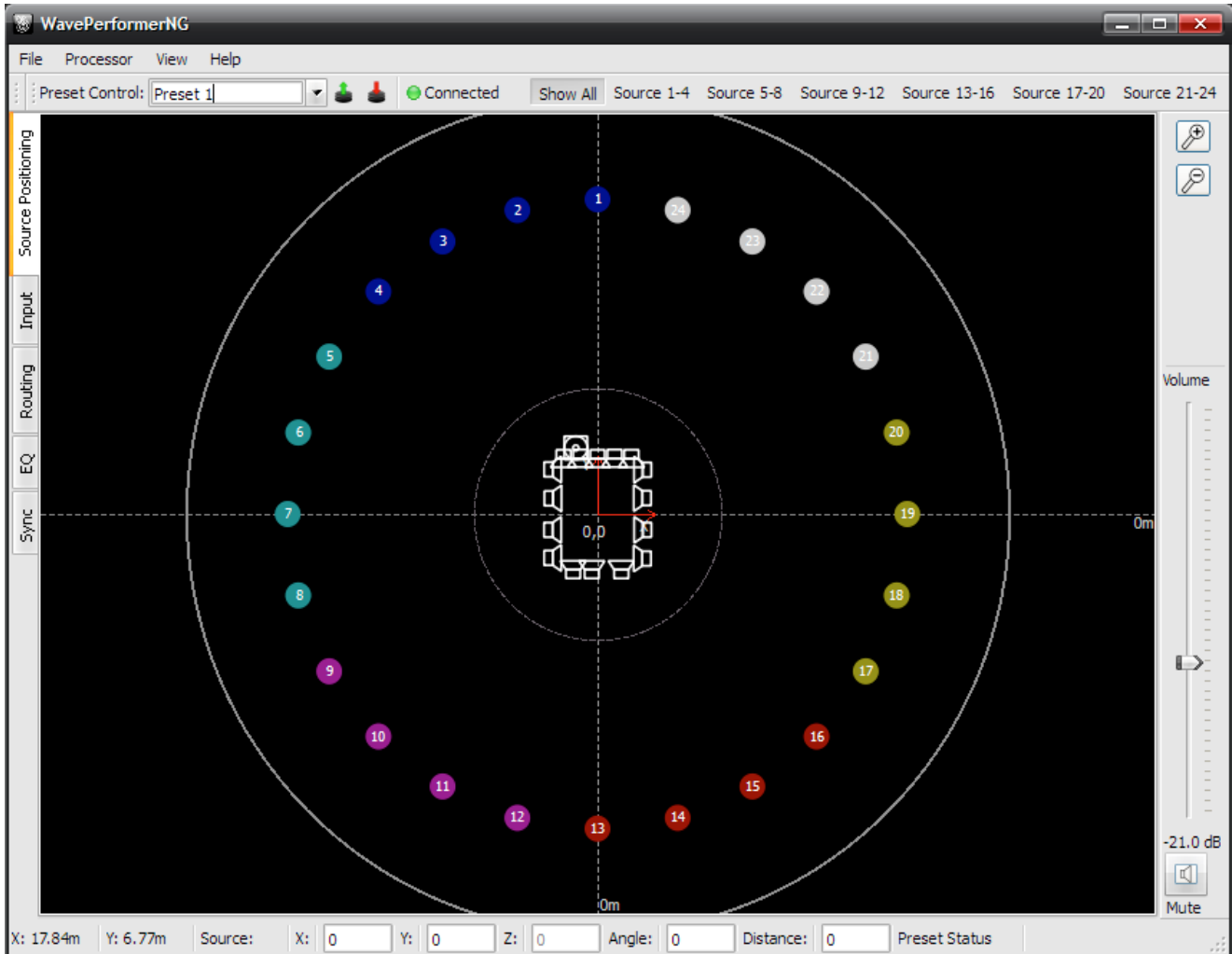
Full Loudspeaker Management

All outputs can be equalized and protected, including multi-way system alignment possibilities (crossover, delay and gain).

Venue Independent Production

Design your very own sound-stage by fulfilling the requirements of the artist and the venue.

WavePerformer



Program presets for your stereo or surround content with up to 24 sources. During operations in your venue, simply select the preprogrammed preset on the processor and start the show. You are also enabled to interactively move around the sound sources to deliver an amazing listening experience.

Key Features

Control Options


A variety of plugins for the most commonly used interfaces; i.e., Coolux Media Manager, OSC, AU, MAX MSP and VST plugin.

Built-in Equalizer

Providing the best energy distribution and sound coloration and calibration high power speakers when tuning the system.

Preset Memory

With the possibility to freely customize your virtual sound sources in an unlimited number of presets.



We create flexible acoustics that
enhance
the success of your venue &
your customers listening experi-

APPLICATIONS & REFERENCES

“The gain in sound is obvious as compared to previous editions of the festival. The sound coverage is in particular much more homogeneous,” says Pierrette Devineau, Director of Paris Jazz Festival.



Transform your venue into a
multi-purpose environment
diversifying
the acoustical range

Institut du Monde Arabe, France

THEATERS

Any theater using our Absolute 3D sound technology is built to allow a listening experience of something very unique. By creating an exhilarating spectacle with astonishing shows, dancers and performers, the audience can now be completely immersed in a dynamic sound dimension, no matter where they are sitting.



Piccolo Teatro di Milano, Italy



Staatstheater, Germany

Overcome complexities with
flexibility
adjust content seamlessly from one
event to another.



PROSOUND
AWARDS

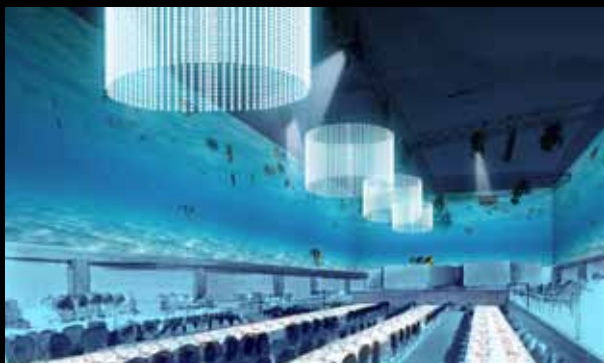


Aura, Switzerland

CLUBS

The party just gets better and better with Absolute 3D sound. Your guests will be receiving the VIP treatment all night long, no matter where they are while the music is pumping through the club.

Pro Sound Award: Being the first permanent 3D sound club by Sonic Emotion, the works for Aura have pushed industry boundaries, and as a result, Sonic Emotion has been elected Finalist for the 2013 Permanent Installation of the Year. www.prosoundawards.com



Aura, Switzerland



Imagine new acoustal realms
extraordinary
live performances and improved audio.



Paris Jazz Festival, France

LIVE EVENTS

The Absolute 3D sound technology gives a level of environmental control that any live event needs. The creative tools offer ease of mind without compromising the performance- no matter what type of venue setting- indoor or out. Whether it be live performances, product demonstrations, or corporate events, the audience is completely submerged into a natural 3D sound field enveloping the entire listening zone.



Mixage Fou, France



Get Well Soon - Concert, Switzerland

Improve your physical spaces and gain
environmental control
expanding audio possibilities.



Beckett Exhibition at Centre Pompidou, France

MUSEUMS

Just as a museum holds true to being the institution that cares and conserves a collection of artifacts and other objects of scientific, artistic, cultural, or historical importance, it holds true that museums incorporating Sonic Emotion's Absolute 3D sound technology brings life to any work of art without compromises in adapting to the acoustical signature of the room.

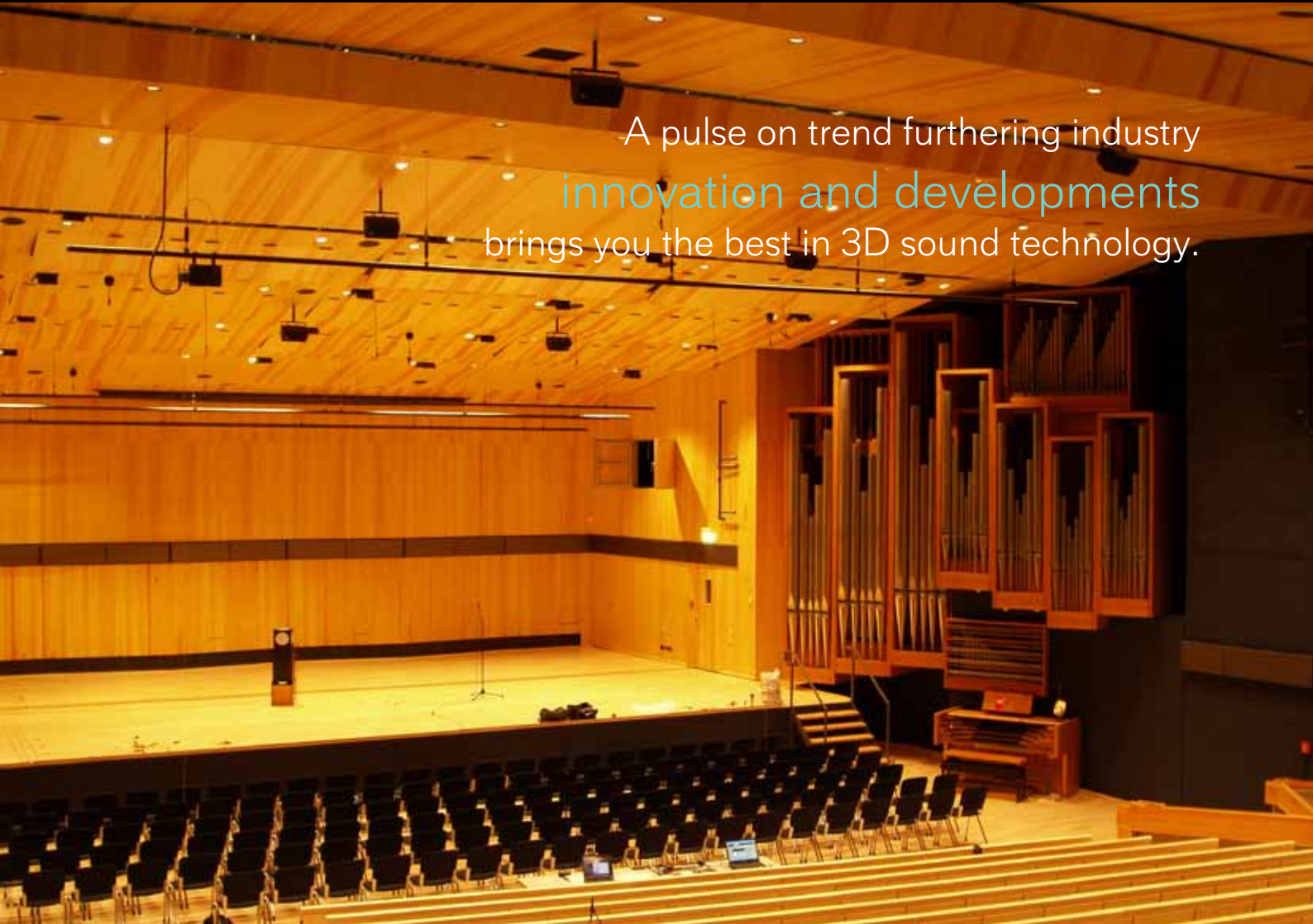


Louis Vuitton Museum, France



Vertu, Italy

A pulse on trend furthering industry
innovation and developments
brings you the best in 3D sound technology.



Musikhochschule Detmold, Germany

UNIVERSITY & RESEARCH

Sonic Emotion Labs is at the pulse on trends and activities in the world of 3D audio. By collaborating closely with universities and research institutes, it brings a wealth of new ideas, fresh thinking and possibilities to not only our research and development efforts but in our company expansion as well.



We operate worldwide



Work with us

Sonic Emotion maintains corporate offices in the following locations:

Headquarters // Zürich, Switzerland

Paris, France / Newport Beach, California / Hong Kong / Tokyo, Japan

Tel. +41 (0) 44 850 08 38

Email: pro@sonicemotion.com

Please check out website for current distribution network:

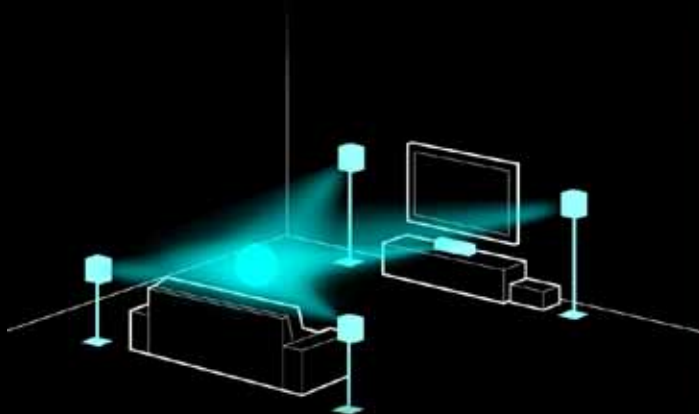
www.sonicemotion.com/professional

Beyond the Wave I

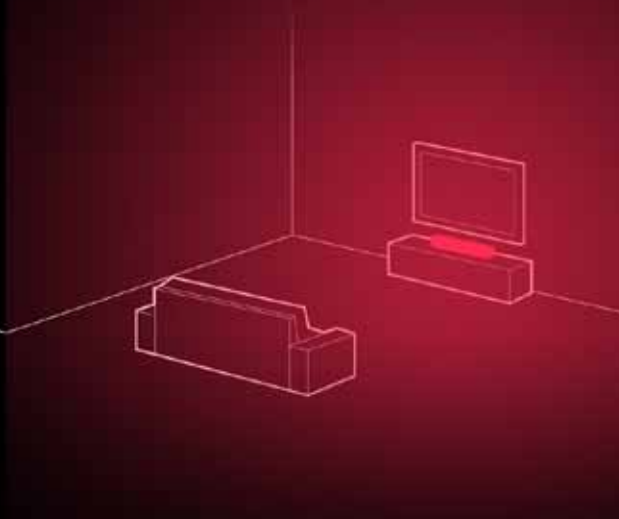
Consumer Electronics

Sonic Emotion's Absolute 3D audio solution is available via software, mobile applications and chipset, which brands can easily integrate into their existing products, from speaker systems, TVs to computers.

Traditional 5.1 surround sound



Absolute 3D



Headquake® Pro

Headquake® Pro for iOS devices such as iPhone, iPad or iPod gives you the ultimate Absolute 3D listening experience on the go.

Headquake Pro is the world's premier sound enhancement app in a never before heard 3D sound quality, that is personalized to your favorite type of headphones.



Technical Specification: Sonic Wave I

Description	Wave field synthesis rendering unit for processing of up to 24 input and up to 64 output channels.	
Audio Input	Digital MADI (coaxial or optical) or ADAT Internal playback engine (HD option) UltraLight ADAT only	24 24 8
Audio Outputs	Digital MADI (coaxial or optical) or ADAT UltraLight ADAT only	32/64 16
Audio Processing	Sample rate and bit depth	48 kHz 24 Bit
Storage	SSD (HD Version Only)	60 GB
Connectivity	Ethernet / LAN (RJ45)	Yes
Latency	Processing-Time: End-to-End	< 7ms
Power Supply	Electric Consumption	480W
Required AC Mains	230 Volts / 50 Hz with PFC 115 Volts / 60 Hz with PFC	5.0A 8.0A
AC Mains Connector	Integrated EMI Filter	IEC
Dimensions	19" Rack Case (Units) 430 x 480 x 180 mm (W x D x H)	4 U
Safety Standard	CE, FCC	

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