

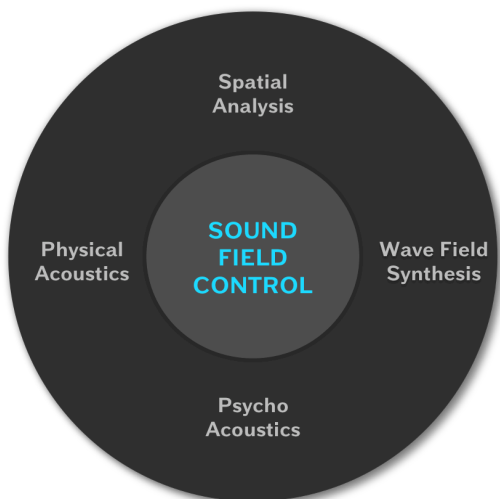
Sonic Emotion Absolute 3D™ provides a unique solution for immersive sound reproduction by single compact devices, laptops and TVs. Sonic Emotion's Absolute 3D™ works across the entire listening area, while other solutions are only truly effective within a narrow range in front of the device (the sweet spot). In general, Sonic Emotion Absolute 3D™ is applicable to many shapes ranging from compact boom boxes to large sound bars, as well as Laptops and TVs. Sonic Emotion's technology is already available on a variety of DSPs and new platforms are constantly added.

Immerse into a field of sound



Sonic Emotion developed the concept of sound field control through the application of expertise in four fundamental aspects of 3D sound.

Sound Field Control



Sonic Emotion Absolute 3D™

- Works with any input (Stereo, MP3, WAV, Bluetooth)
- One device, fills the entire room with sound
- Improves speech intelligibility - *new!*
- Includes bass enhancement
- Hear the sound, not the speakers
- No cabling, no speaker setups

- **Wave Field Synthesis (WFS)** is a sound field reproduction technology. Therefore, consistent localizations of sound objects are provided in the entire listening room from an array of individually driven speakers (Available **Absolute 3D™ Premium**).
- **Spatial Analysis** allows distinguishing between localizable versus diffuse components and adapting sound field control accordingly. Localizable elements are extracted and their origin is defined based on a psychoacoustic model.
- All of Sonic Emotion's algorithms are developed based on **Psycho Acoustics**. Sonic Emotion has created its own models for estimating and optimizing localization accuracy and distance perception in an extended listening area.
- Finally, expertise in **Physical Acoustics** achieves the best sound quality for your product. Sonic Emotion has developed key technologies to analyze, measure and tune loudspeaker characteristics.

Sonic Emotion is the only company with protected IP using a combination of Wave Field Synthesis, Psycho Acoustics, Spatial Analysis and Physical Acoustics to create a fully immersive natural sound for the consumer. This technology solution has been proven in the professional world and has since 2014 helped the top selling sound bars to defend their market position.

Easy product integration



- Available in most main stream DSP platform
- Recognition and application by more than 30 brands and manufacturers to date
- Tuning tools allow brands and manufacturers to define their desired signature sound
- **Absolute 3D™** empower mainstream audio product with spectacular sound performance
- **Absolute 3D™ Premium** for the most advanced audio product 4, 6 and more channel solutions

