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Revolutionary Sontia® Sound Technology Launched on ‘SilverBack’ Module at IFA 2011

Sontia®—the company that introduced the ground-breaking audiophile-grade Stable Phase audio Technology family, ‘SPT’—has now launched an inexpensive, compact, hardware module with SPT on-board. The *SilverBack* ‘system-on-module’ device provides a complete audio solution in a small package, allowing easy integration of Sontia SPT into a wide range of audio products. *SilverBack* will be launched at IFA 2011 in Berlin, between 2nd–7th September, on Stand 137, Hall 1.2.

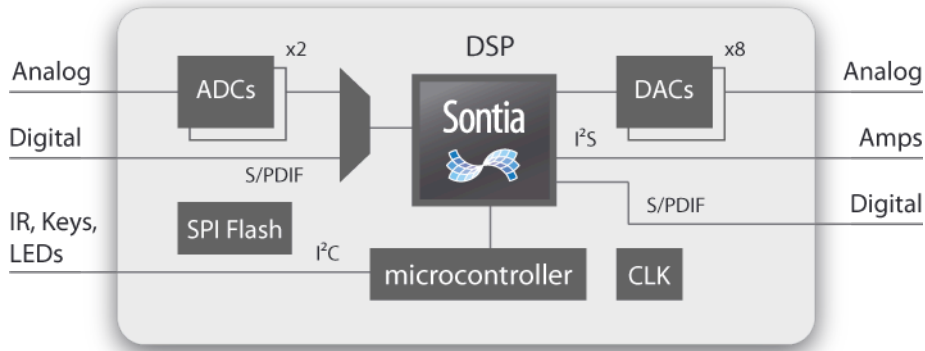
When Sontia first unveiled its multi-patented, radically different ‘pre-correction’ approach to sound improvement, listeners unanimously agreed that the results were stunning. An *EETimes* reviewer wrote, “[after enabling Sontia] the sound changed *entirely*, making it more than simply ‘2.0’ sound... it performed beautifully...bass portrayed huge resonance; the sound seemed like it was from a live performance”. Michael Price, award-winning composer and music editor (*‘Lord of the Rings’*, *‘Quantum of Solace’*), said he was “very impressed...a naturalness and fidelity to the original that I have not heard before”.

SPT is not a dubious ‘effect button’, commonly found on a number of mainstream home entertainment products—it’s a fundamentally new and scientific approach to sound improvement. Sontia SPT precisely measures numerous sonic characteristics of the specific audio device and applies a multi-patented pre-correction process that removes the imperfections in the product’s sound. The unique process encompasses time and phase characteristics, not just frequency, ensuring sound has linear, stable phase from all of the speakers—and that’s key to why Sontia SPT makes such astounding improvements. The unique process is based on otoacoustics, psycho-acoustics and some seriously advanced mathematics, including Sontia’s patented organic convolution algorithms. All of this is implemented with a Sontia’s uncompromising passion for sonic perfection with studio-quality engineering standards.

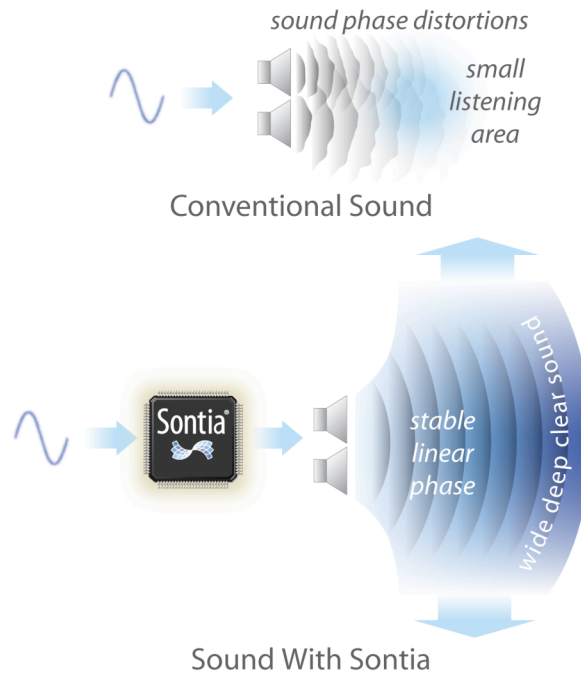
With the *SilverBack* module, the stunning sound improvement of Sontia SPT is more easily and quickly incorporated into audio products, including: MP3/iPod docks, soundbars, active speakers, radios, home entertainment systems, car audio, and more.

SilverBack can host the entire family of unique, linear-phase Sontia SPT technologies, which include: 2/3/5 Channel Acoustic Imaging, Speaker Optimisation, Dynamic Bass Extension (using Sontia’s patented Organic Convolution Engine and otoacoustic technology), Linear-Phase Digital Cross-over, Central Channel Generator, Cabinet Resonance Control, Active Damping and U-Q Voicing. *SilverBack* can also run common 3rd-party audio decoders, audio processing and algorithms alongside the Sontia SPT family.

Alongside *SilverBack*, to assist manufacturers, Sontia has created development and evaluation boards together with a complete reference design for audio products with up to six channels, such sound bars. Sontia Founder & CEO, Chris Vernon, describes *SilverBack* as a “fully-integrated system-on-module, which combines audio, DSP and microcontroller components—as well as the complete Sontia SPT family of algorithms—in one device measuring just 68x32mm”. *SilverBack* is an extremely powerful module, including pro-level 24bit, 192kHz A-to-D and D-to-A converters, a high-performance 32bit DSP, a 32bit RISC microcontroller, 64bit double-precision internal resolution and differential multi-channel audio in/out.



Sontia 'SilverBack' Audio Module block diagram



Sontia SPT's advanced audio pre-correction process

To hear and discuss *SilverBack*, and Sontia's technology, come to Stand 137 at IFA, Berlin, between 2nd-7th September 2011 (Hall 1.2 adjacent to South Entrance). If you would like to know more, please feel free to contact us using the details below or email us at contact@sontia.com. We look forward to meeting you.

About Sontia

Sontia is a provider of innovative linear-phase 'pre-correction' sound technology for incorporation into third party audio products. It is headquartered in the UK, with offices in Sheffield, and local offices in China and Japan. It is privately funded with international investors, including former ARM Chairman, Sir Robin Saxby, and one of the world's most successful serial technology entrepreneurs, Dr Hermann Hauser.

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