

SCOPE PCI-Systems for PC and MAC

DSP AUDIO PLATFORM

A WORLD OF SOUND

The SCOPE family of audio products is well known for its established excellent sound quality and high degree of operational reliability and flexibility. The products combine powerful software with a DSP accelerator hardware for your computer, resulting in a system with audio in- and outputs and DSP audio processing power.

A continuously developed low-latency technology allows the professional user to work with an agreeable, quasi-analog behaving audio platform. The flexible software environment includes a full range of plug-in audio devices: A selection of digital mixers, more than 50 audio effects, samplers and synthesizers in uncompromising sound quality. Additional compatible plug-ins developed by well-known third-party manufacturers are available, too.



SCOPE 14 DSP PCI-System / SCOPE 6 DSP PCI-System

The complete equipment for recording, synthesis and sampling in one packet.

Highlights

- full-fledged 24/48-channel mixer for internal and external signals
- more than 50 exceptional effects, incl. MasterVerb high-end reverb
- 9 virtual synthesizers: analog, wavetable, vector synthesis and more
- modular synthesizer featuring more than 140 modules and 80 ready-to-play patches
- thousands of inspiring sounds
- STS-4000 professional DSP-based studio sampler
- live processing with no latency at all, for perfect monitoring
- 32-bit floating-point processing
- upgradeable with all plug-ins of the SCOPE Fusion platform

Hardware Features

- PCI board equipped with 6/14 SHARC DSPs for PC
- Stereo Analog-I/O, stereo Digital-I/O und ADAT-I/O
- All I/Os in 24-Bit / 96 kHz
- 3 different I/O options:
 classic: unbalanced analog (RCA), S/P-DIF (RCA), 2 x ADAT
 plus: balanced analog (XLR), AES/EBU (XLR), 2 x ADAT
- Z-Link: unbalanced analog (RCA), S/P-DIF (RCA), 1 x ADAT, 2 x Z-Link
- all I/Os utilizable in parallel and at the same time
- up to 3 boards seamlessly cascadable using the S/TDM Bus
- high-speed drivers for ASIO 2.0, DirectSound, MME, tripleDAT, GSIF,
- Sound Manager, OMS
- MIDI interface (in & out)

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for Windows Vista & XP



for MAC OS X

find more info at
www.soniccore.de



A wide range of plug-ins from Sonic Core and our Development Partners are available for SCOPE

Sonic Core was founded in March 2007 by developers of CreamWare GmbH and since then carried on to produce and develop the SCOPE product line. The SCOPE Platform excels in its excellent sound quality and flexibility, and is held in high esteem by a huge community of creative and professional users and 3rd party developers all over the world.



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SCOPE 3 DSP PCI-System

Much more than just an I/O board, 3 DSP is the perfect solution for entering the world of professional recording. Equipped with three DSPs, it provides the uncompromising SONIC CORE audio quality and performance for recording, mixing, surround sound, and effects processing.



Hardware Features

- PCI board equipped with 3 SHARC DSPs for PC
- analog stereo I/O and digital stereo S/P-DIF I/O
- 24 bit/96 kHz supported by all I/Os
- Z-Link port connecting to the A16 converter
- expandable to 36 ins and 36 outs using the ADAT expansion (2 x ADAT I/O + Z-Link)
- all I/Os utilizable in parallel and at the same time
- up to 3 boards from the SCOPE range seamlessly cascadable using the S/TDM Bus
- high-speed drivers for ASIO 2.0, DirectSound, MME, tripleDAT, GSIF, Sound Manager, OMS
- MIDI interface (in & out)

Highlights

- onboard 16/32-channel recording mixer and 16-channel 5.1 surround mixer
- onboard DSP effects (MasterVerb pro-quality reverb, filters, dynamics, modulation effects, etc.)
- mixer and effects ready for live use - no latency, for perfect monitoring!
- integrates external studio gear into native software for live applications
- unique audio-driver management, suitable for your existing applications

A16 ADAT/-Analog Converter

With 16 analog inputs and 16 analog outputs the combination of a SCOPE PCI card with a Sonic Core A16 AD/DA converter is the ideal solution for multitrack-recording.



Highlights of the A16

- Two independent ADAT interfaces, fully compatible with all devices which feature this widely-used digital interface, including S/MUX option for 8 channel I/O at 24 bits / 96kHz
- The SCOPE-proprietary Z-Link interface, based upon FireWire technology, offers higher transfer bandwidth than ADAT thus allowing up to 16 channels at 24 bits / 96 kHz
- Ideal for use with all Sonic Core systems that are equipped with Z-Link. Using the A16 via Z-Link adds the possibility to use up to two external ADAT-compatible devices via the ADAT optical connectors
- The level indicators permit convenient, precise setting of signal levels and allow you to keep everything under visual control at all times
- Integrated Memory function - the converter stores its current settings when you switch power off thus allowing for a smooth workflow at the next power up.

Technical Specifications

- High quality 24-Bit / 96 kHz AD/DA converters (AKM) ensure crystal-clear sound and absolute fidelity
- Analog level switchable between -10 dBv and +4 dBu
- Supported sample rates: 32, 44.1, 48, 88.2 and 96 kHz
- Two ADAT optical interfaces: 2 x 8-channel I/O, 24 bits
- Two SCOPE Z-Link interfaces for 16 I/O channels with 24 bits / 96 kHz
- S/MUX in hardware: 8 channel I/O at 24 bits / 96kHz via ADAT optical
- BNC Wordclock I/O for full synchronization of a complete digital setup
- 16 VU meters using 5-segment LED indicators

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