

PRODUCTS & ACCESSORIES



Welcome to TerraTec Producer!

■ We hope that you're already curious about what we'd like to present to you on the next pages. By all means we can guarantee that it's all about the needs of professional musicians and producers. No matter if you're into multi I/O recording or analog technique, practical solutions will satisfy your needs in terms of Pro-Audio – whether in the studio, at home or even on the road.

The PHASE product range offers professional digital audio technique. Here you'll find high quality hardware that will meet all wants and needs: The full range from a 2 channel audio system, mobile FireWire™ and USB solutions to multi I/O recording interfaces.

Mixers, amplifiers, filters, tuners and much more – the SINE series provides studio basics and specials of first-class quality. SINE provides you with clever analog technique that will greatly ease your life as a home recording specialist, instrumentalist or audio producer.

Especially guitarists and bass players will like the AXON AX 100 Guitar-to-MIDI Controller of the latest generation as well as the SINE CT1 19" chromatic racktuner. Of course we've also kept the useful little things in mind: MIDI interfaces, digital converters, phono preamps...

Enjoy!
The TerraTec Producer Team





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Featuring Multi I/O FireWire™ or PCI Bus: The state of the art in digital audio interfaces

With the EWS MIC 2/MIC 8 series, TerraTec Producer offers a line of digital audio interfaces boasting state-of-the-art, astonishingly versatile technology and built-in microphone inputs in premium SPL quality. The EWS MIC 2/MIC 8 series is one of the world's most advanced and most powerful digital audio interface solutions. Satisfying all standards for professional studios and offering 24 Bit/96 kHz PHASE 88 PCI bus card (or FireWire™) and ADAT™ interfaces, EWS MIC 2/ MIC 8 systems are tailor-made for audio, video and interactive media applications. Developed in cooperation with SPL – the renowned specialist for professional studio equipment – EWS MIC 2/MIC 8 systems deliver audio in a level of quality



previously unrivalled in this price class. The finest analog circuits married to sophisticated digital signal processing - EWS MIC 2/MIC 8 systems afford musicians the best of both worlds in a single device!

The audio center for any production environment

The systems' open, modular interfaces connect to external equipment via PHASE 88 PCI bus card (or FireWire™) and ADAT™, the latter being the preferred option in studios. And that makes EWS MIC 2/ MIC 8 devices the flexible switching center for every studio. In addition to eight analog inputs and outputs, the 1 HU 19" chassis features digital ADAT™ and S/PDIF ports, a MIDI interface, and a WordClock (BNC) port, as well as an adjustable headphones output on the front panel.

Individual configuration of your recording sessions

At the heart of the system is a microphone preamp stage powered by low-noise operational amplifiers. The EWS MIC 8 sports eight of these amplifiers, while the EWS MIC 2 offers two. All eight inputs on both devices can also accept line signals. The front panel offers two audio channels equipped with XLR/ 1/4" (combo) inputs. The many signal routing options enable recordists to configure their studio setups flexibly for the most diverse recording sessions without having to re-connect signal-carrying cords! All inputs and outputs are balanced for lowest noise signal routing. The rack module is equipped

with intensity controls for all input channels, and the channels can be muted separately or routed directly to the corresponding output. This means that without computers, the system can serve in numerous applications as a no-fuss standalone preamplifier as well as a convenient mixer.

EWS MIC 2/8 systems ship with easy-to-use control panel software offering comprehensive routing and signal conversion options, making these interfaces the nerve center of every recording application. Analog, S/PDIF and even ADAT™ signals can be converted and routed flexibly via mouse click. Advanced WDM, ASIO, and GSIF (PCI version only) drivers ensure the software runs smoothly on all current operating systems for Macintosh and Windows computers.



MIC 2 / MIC 8 SERIES



real competence

Technical Data

19" Module

- External 19" module with integrated power supply and automatic voltage/frequency detection
- PCI Bus and ADAT™ interface (FireWire™ interface optional)
- 24 Bit/96 kHz A/D converter with 105 dB (A) SNR*, typically 106 dB (A) @ 48 kHz
- 24 Bit/96 kHz D/A converter with 106 dB (A) SNR*, typically 109 dB (A) @ 48 kHz
- 8 channels analog I/O, balanced XLR plus 6.3 mm jacks (Neutrik combo) - balanced
- 8 front panel gain knobs for analog inputs (20 dB control range)
- 8 front panel input signal and clipping LEDs
- 2 front panel XLR plus 6.3 mm (1/4") Mic INs as alternatives to inputs 7 and 8 (auto priority)
- Switchable input for microphone and line/instrument levels
- 8 high-quality microphone preamps (2 on the EWS MIC 2), developed in cooperation with SPL Germany
- Front panel Direct Out switch for all analog channels
- Phase, Low Cut (subsonic noise filter) and Mute buttons for every microphone channel
- 48 volt phantom power for all microphone channels
- Front panel headphones output for master signal monitoring (separate DAC/amplifier)
- ADAT™ I/O interface (Light Pipe/TOS Link)
- TOS Link interface for ADAT™ and S/PDIF formats
- Each stereo pair can be routed separately to ADAT™ or analog audio
- 2 separate MIDI interfaces with 32 channels in total
- WordClock I/O (BNC) with auto detection
- Globally switchable +4 dBu/-10 dBv output level



- Flexible connection options: FireWire™, PHASE 88/EWS88 PCI card or ADAT™ interface
- EWS MIC 2 and EWS MIC 8 can also be operated without a computer (e.g., as a Mic. preamp, ADAT™ AD/DA interface, DI box, etc.)

PCI Bus Card

- Busmaster transfer support, 24 Bit 4 Byte mode (32 Bit)
- Simultaneous recording and playback of 16 channels at up to 24 Bit/96 kHz
- 2 channel digital input (S/PDIF, coax with up to 24 Bit/96 kHz)
- 2 channel digital output with (S/PDIF, coax with up to 24 Bit/96 kHz)
- 20 channel mixer with 36 Bit internal resolution
- EWS Connect® port**
- Non-Audio Mode for transmitting AC3 or DTS streams via digital interfaces
- Control panel features a dedicated hardware VU for each channel
- 4 m connecting cable to the MIC 19" module

Software/Driver

- WDM driver for Windows 98SE/ME/2000 (PCI version only) and Windows XP
- Core Audio and Core MIDI support for Mac OS 10 (X)
- ASIO 2.0 and GigaStudio (GSIF) support (PCI version only)
- ASIO/GSIF Multi-Client mode
- WDM Kernel Streaming, e.g. for Sonar™
- MME and DirectSound support
- Control panel for Windows 98SE/ME/2000 XP and Mac OS X

System Requirements PC

- Pentium III 800 MHz or higher
- 128 MB RAM
- PCI version: Windows 98SE, ME, 2000 or XP
- FireWire™ version: Windows XP with Service Pack 1 (SP1)

System Requirements MAC

- G4 800 MHz or higher
- 256 MB RAM
- MAC OS 10 (X)

System Recommendations PC

- Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- Windows XP with Service Pack 1 or higher

System Recommendations MAC

- G5 1.8 GHz
- 512 MB RAM
- MAC OS X Panther 10.3 or higher

*) This information depends on the technical data of the converter used

***) You can cascade and synchronize PHASE 88, EWS 88 MT/D and EWS MIC 2/8 PCI audio systems. You can control up to four systems in one PC with only one driver and one Control Panel.

FEATURE HIGHLIGHTS:

- **8 balanced analog XLR inputs**
- **8 balanced analog XLR outputs**
- **24 Bit/96 kHz AD/DA converters**
- **High-quality microphone pre-amp developed in cooperation with SPL**
- **Gain controls for all input channels**
- **ADAT™ digital I/O and S/PDIF digital optical I/O**
- **2 separate MIDI interfaces**
- **PCI or FireWire™ interface alternatively**

High class performance with alternative PCI or FireWire™ interface:

The PHASE 88 Rack is the flexible audio center for your home or project studio.

With the TerraTec Producer series 24 Bit/96 kHz PHASE 88 Rack audio system, you're well-equipped to handle any tasks in your home or project studio, now and in the future. Eight analog inputs and outputs (balanced 1/4" TRS jacks) give you the room and technology you need, even for larger recording sessions. All inputs can be controlled individually via gain controls on the front panel and feature clipping LEDs to warn of unintended distortion.

Switchable phantom power

Two of the channels can be adapted to microphone use at the press of a button – with XLR sockets and switchable 48 V phantom power. A two channel digital I/O (S/PDIF) with alternative coaxial (PCI version)



or optical (FireWire™ version) connectors is available for your DAT recorder and other digital equipment.

A WordClock I/O ensures optimal synchronized connections to external digital equipment, and two independent MIDI interfaces give you 32 MIDI channels to work with – that should be enough for anyone.

Speaking of enough:

If you ever need more connections than the standard selection of the PHASE 88 Rack system, that's no problem: up to four PCI devices can be cascaded with a single driver, giving you no less than 40 audio channels for simultaneous use.

Thanks to its sophisticated board design and proven converters, the system delivers outstanding audio quality: a signal-to-noise ratio of 110 dB speaks for itself. The PHASE 88 Rack system also is future-proof: if necessary, you can easily replace the rack module's PCI connection with an optional FireWire™ (IEEE 1394) interface.



FEATURE HIGHLIGHTS:

- 8 balanced analog inputs
- 8 balanced analog outputs
- 24 Bit/96 kHz AD/DA converters
- Microphone pre-amp with 48 V phantom power
- Gain controls for all input channels
- S/PDIF, AC3 and DTS digital I/O
- 2 separate MIDI interfaces
- PCI or FireWire™ interface alternatively

48 V Phantom Power
Front Gain Knobs
EWS Connect
GIGA Compatible
Balanced Analog I/Os
24 Bit/96 kHz
S/PDIF
MIDI I/O
WordClock
ASIO

PHASE 88 RACK



24 Bit/96 kHz

Technical Data

19" Module

- External 19" device (1U) with PCI or IEEE 1394 interface card
- 8 balanced analog 1/4" (TRS) input jacks
- 8 balanced analog 1/4" (TRS) output jacks
- 8 gain controllers on the front side (20 dB adjustment range)
- 8 input signal and clipping LEDs on the front side
- 2 XLR/6.3 mm jacks Mic Ins (front side) as alternatives to inputs 7 and 8
- Inputs 7 and 8 switchable between line and mic level
- 48 V phantom power (switchable)
- External power supply, 230V/50Hz or 110V/60 Hz to 12V AC
- 2 separate MIDI interfaces with 5-pin DIN connector
- 24 Bit/96 kHz A/D converters with 100 dB (A) SNR*, typically 100 dB (A) @ 48 kHz
- 24 Bit/96 kHz D/A converters with 110 dB (A) SNR*, typically 109 dB (A) @ 48 kHz
- WordClock I/O with auto detection

PCI Version

- PHASE 88 PCI card
- 4 m cable to the PHASE 88 Rack module
- 10 inputs and 10 outputs in total
- Digital input with 2 channels (coax. S/PDIF, 24 Bit/96 kHz)
- Digital output with 2 channels (coax. S/PDIF, 24 Bit/96 kHz)
- 20 channel mixer with 36 Bit internal audio resolution
- None-Audio Mode for transferring AC3 or DTS via Digital Out
- Hardware VU-Meter for each channel (displayed in the control panel)
- Busmaster transfer supports '24 Bit 4 Byte mode' (32 Bit)
- EWS-Connect® link**

FireWire™ Interface Version

- IEEE-1394 FireWire™ interface for PC/Mac
- 2 high-speed FireWire™ Ports
- ASIO 2.0 support for all inputs and outputs
- Advanced DSP hardware monitor mixer
- 10 inputs and 10 outputs in total
- Digital input with 2 channels (optical S/PDIF, 24 Bit/96 kHz)
- Digital output with 2 channels (optical S/PDIF, 24 Bit/96 kHz)

- MME and DirectSound support
- Control panel for Windows 98SE/ME/2000 XP and Mac OS X

System Requirements PC

- Pentium III 800 MHz or higher
- 128 MB RAM
- PCI version: Windows 98SE, ME, 2000 or XP
- FireWire™ version: Windows XP with Service Pack 1 (SP1)

System Requirements MAC

- G4 800 MHz or higher
- 256 MB RAM
- MAC OS 10 (X)

System Recommendations PC

- Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- Windows XP with Service Pack 1 or higher

System Recommendations MAC

- G5 1.8 GHz
- 512 MB RAM
- MAC OS X Panther 10.3 or higher

* This information depends on the technical data of the converter used
 ** You can cascade and synchronize PHASE 88, EWS 88 MT/D and EWS MIC 2/8 PCI audio systems. You can control up to four systems in one PC with only one driver and one Control Panel.



- None-Audio Mode for transferring AC3 or DTS via Digital Out
- VU-Meter for each channel (displayed in the control panel)
- ASIO/WDM multi-client mode

Software/Driver

- WDM driver for Windows 98SE/ME/2000 (PCI version only) and Windows XP
- Core Audio and Core MIDI support for Mac OS 10 (X)
- ASIO 2.0 and GigaStudio (GSIF) support (PCI version only)
- ASIO/GSIF Multi-Client mode
- WDM Kernel Streaming, e.g. for Sonar™



PHASE 88 RACK

Windows 98SE-XP
MAC OS X
EWS Connect®
GIGA Compatible
AC3/DTS
24 Bit/96 kHz
S/PDIF
MIDI I/O
WDM
ASIO

Perfect sound and expandable modular I/O solution:

The PHASE 88 audio system turns your PC or MAC computer into a professional recording system!

Eight high quality analog input and output converters process audio signals (continuously from the hardware to the software) at resolutions of up to 24 Bit/96 kHz. The converters of the PHASE 88 are located – together with the high resolution MIDI interface – in a 5 1/4" breakout box, which can be placed both in the computer or externally.

Brilliant recordings thanks to clever circuit design

Based on tried and trusted TerraTec technology, the optimized converter modules and well thought out circuit design of the PHASE 88 allow perfect recordings of up to eight tracks simultaneously and also playback of 5.1 or 7.1 surround productions.

To take full advantage of the superb dynamics of the 24 Bit converters, the board of the PHASE 88 is equipped with a 20 channel hardware mixing console with 36 Bit internal resolution and 20 in 4 routing.

Each input channel has its own analog circuit, switchable between +4 dBu (2,1 Vrms) and -10 dBv (0,55 Vrms), and an adjustable signal amplifier for up to 18 dB. Channel monitoring is absolutely latency free and the ASIO 2.0 driver performance offers latency times of below 3 ms.

The complete recording system

This makes the PHASE 88 a complete recording system; even without an additional mixing console. An additional digital input and output (coaxial) on the PCI Bus card provide the perfect connection to the digital studio environment. You can synchronize and cascade up to four PHASE 88 recording systems within one computer. This makes it possible to expand the system to up to 40 physical inputs and outputs and 64 MIDI channels, while keeping the CPU load to a minimum.



PHASE 88



Technical Data

- PCI audio interface with shielded 5 breakout box
- 4 m connecting cable between PCI card and breakout box
- A total of 10 inputs and outputs (expandable to 40 inputs and outputs)
- 8 analog inputs, cinch, switchable between +4 dBu and -10 dBv
- Input control with +18 dB accentuation in 0.5 dB steps
- 8 analog outputs, cinch, switchable between +4 dBu and -10 dBv
- Coaxial digital input, cinch
- Coaxial digital output, cinch
- MIDI interface with 5-pin DIN connectors
- Up to 24 Bit/96 kHz signal processing of the analog and digital inputs and outputs
- Coaxial digital interface for S/PDIF, AC3 or DTS formats
- 24 Bit/96 kHz A/D converter with 100 dB (A) SNR*, typically 100 dB (A)
- 24 Bit/96 kHz D/A converter with 110 dB (A) SNR*, typically 109 dB (A)
- Hardware VU meter for every channel on the Control Panel
- Bus master transfer supports "24 Bit 4 Byte Mode" (32 Bit)
- EWS Connect® for synchronized cascading of additional PCI systems**

Software/Driver

- WDM driver for Windows 98SE/ME/2000 (PCI version only) and Windows XP
- Core Audio and Core MIDI support for Mac OS 10 (X)
- ASIO 2.0 and GigaStudio (GSIF) support
- ASIO/GSIF Multi-Client mode
- WDM Kernel Streaming, e.g. for Sonar™
- MME and DirectSound support
- Control panel for Windows 98SE/ME/2000 XP and Mac OS X

System Requirements PC

- Pentium III 800 MHz or higher
- 128 MB RAM
- PCI version: Windows 98SE, ME, 2000 or XP

System Requirements MAC

- G4 800 MHz or higher
- 256 MB RAM
- MAC OS 10 (X)

System Recommendations PC

- Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- Windows XP with Service Pack 1 or higher

System Recommendations MAC

- G5 1,8 GHz
- 512 MB RAM
- MAC OS X Panther 10.3 or higher

*) This information depends on the technical data of the converter used

**) You can cascade and synchronize PHASE 88, EWS 88 MT/D and EWS MIC 2/8 PCI audio systems. You can control up to four systems in one PC with only one driver and one Control Panel.

FEATURE HIGHLIGHTS:

- **8 analog inputs, switchable between +4 dBu and -10 dBv**
- **8 analog outputs, switchable between +4 dBu and -10 dBv**
- **24 Bit/96 kHz signal processing of the analog and digital inputs and outputs**
- **Coaxial digital interface for S/PDIF or DTS formats**
- **4 m connecting cable between PCI card and breakout box**
- **24 Bit/96 kHz A/D converter with 100 dB (A) SNR**
- **24 Bit/96 kHz D/A converter with 109 dB (A) SNR**



Windows 98SE-XP
MAC OS X
24 Bit/96 kHz In
24 Bit/192 kHz Out
GIGA Compatible
AC3/DTS
S/PDIF
MIDI I/O
WDM
ASIO 2.0

Perfect sound and strong connections:

The PHASE 28 audio system lets you enter the world of professional studio recording!

With two balanced inputs and eight balanced outputs, MIDI and multipurpose digital I/Os, the PHASE 28 offers a variety of connection options spanning all directions. All analog connections are designed for 1/4" (6.3 mm) TRS jacks and produce studio levels. The finest converter components and a well-thought-out board design allow crystal-clear recording in stereo and the reproduction of high-resolution 7.1 surround productions. All analog outputs as well as the digital output of the PHASE 28 system process audio signals with a futuristically impressive 24 Bit/192 kHz resolution. The sensitivity of both inputs makes it possible to adjust to separate analog sources using the gain regulator on the slot bracket plate. Furthermore, two signal LEDs on the slot bracket plate indicate optimized recording level of the excellent pre-amplifiers.

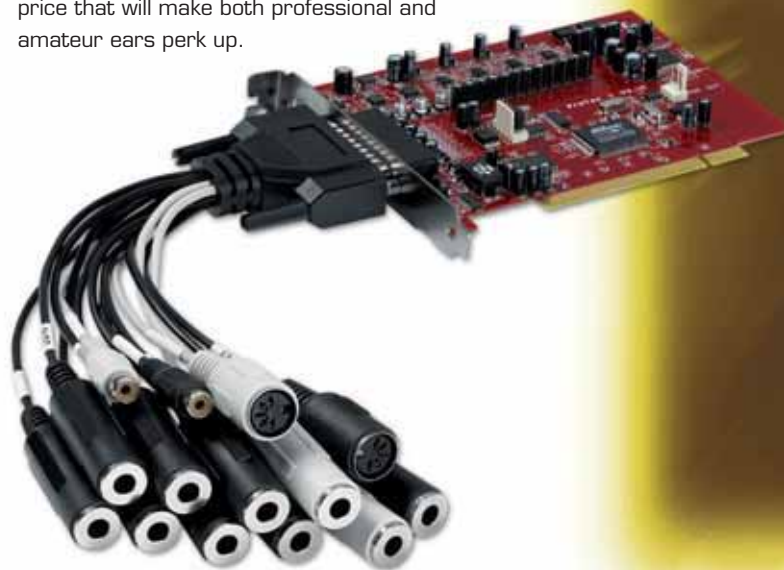
Best conditions for flexible audio routing

The coaxial digital interface of the PHASE 28 PCI board lets you receive S/PDIF, AC3 and DTS data streams at all usual sample rates of up to 32 Bit. Furthermore, the output can process sampling frequencies of up to 192 kHz meeting absolutely the best prerequisites for a flexible audio network using Steinberg's VST System-Link! ASIO, GSIF, MME, WDM, OSX or XP: on the software side, not only can you count on the field's most popular abbreviations, but you

can also count on their superior performance. The driver architecture, which has been fully developed and is often used as a standard, guarantees lowest latencies and a neat interplay with the audio platform of your choice. Multiple connection options, proven technology and outstanding audio performance for MAC or PC do not need to be expensive:

PHASE 28 - the pro system with a bargain price

TerraTec's professional system PHASE 28 combines advanced audio features with a price that will make both professional and amateur ears perk up.



PHASE 28



Fruityloops Edition

24 Bit/192 kHz Multi I/O Recording Interface



FEATURE HIGHLIGHTS

- 2 balanced analog inputs, 1/4" (6.3 mm) TRS jacks
- 8 balanced analog outputs, 1/4" (6.3 mm) TRS jacks
- 24 Bit/96 kHz signal processing of the analog and digital inputs
- 24 Bit/192 kHz signal processing of the analog and digital outputs
- 105 dB signal-noise ratio (A evaluated) of the analog inputs
- 100 dB signal-noise ratio (A evaluated) of the analog outputs
- MIDI interface and S/PDIF digital I/O
- Low Latency ASIO 2.0, GSIF and WDM kernel streaming support

Technical Data

- PCI audio interface
- Playback of 8 analog channels at up to 24 Bit/192 kHz
- Recording of 2 analog channels at up to 24 Bit/96 kHz
- Balanced analog 1/4" (6.3 mm) TRS jacks
- Coaxial digital interface for S/PDIF, AC3 or DTS formats
- Stereo digital input with 24 Bit/96 kHz resolution and hardware sample-rate detection
- Stereo digital output with 24 Bit/192 kHz resolution
- Non-audio mode for transfer of AC3 or DTS streams via the digital interface
- VU meter for each channel on the software Control Panel
- 24 Bit/96 kHz A/D converter with 106 dB(A) SNR*, typically 105 dB(A)
- 24 Bit/192 kHz D/A converter with 102 dB(A) SNR*, typically 100 dB(A)
- 2 gain controls on the slot bracket plate for adjusting the analog input levels (ranged from -19 dB to +12 dB)
- 2 peak LEDs on the slot bracket plate
- MIDI interface with 16 channels
- Busmaster transfer supports "24 Bit 4 Byte Mode" (32 Bit)
- EWS® Connect link for synchronized cascading of additional PCI systems**

Software/Driver

- WDM driver for Windows 98SE/ME/2000 (PCI version only) and Windows XP
- Core Audio and Core MIDI support for Mac OS 10 (X)
- ASIO 2.0 and GigaStudio (GSIF) support
- ASIO/GSIF Multi-Client mode
- WDM Kernel Streaming, e.g. for Sonar™
- MME and DirectSound support
- Control panel for Windows 98SE/ME/2000 XP and Mac OS X

System Requirements PC

- Pentium III 800 MHz or higher
- 128 MB RAM
- PCI version: Windows 98SE, ME, 2000 or XP

System Requirements MAC

- G4 800 MHz or higher
- 256 MB RAM
- MAC OS 10 (X)

System Recommendations PC

- Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- Windows XP with Service Pack 1 or higher

System Recommendations MAC

- G5 1,8 GHz
- 512 MB RAM
- MAC OS X Panther 10.3 or higher

*) This information depends on the technical data of the converter used

**) You can cascade and synchronize PHASE 28 and PHASE 22 audio systems. You can control up to four systems in one PC with only one driver and one Control Panel.



Record your music where you want to:

PHASE 26 USB is the perfect recording system for mobile music productions!

The multiple awarded top performance of the TerraTec audio cards is now available as a handy 5 1/4" module! The PHASE 26 USB system provides your notebook or PowerBook™ with all connections necessary for spontaneous mobile recording sessions and also ports for flexible professional studio use in no time at all.

PHASE 26 USB - pure connectivity

With two flexible inputs and six discrete output channels as well as MIDI and digital I/Os the PHASE 26 USB module gives you a great variety of possibilities to connect your audio equipment. High-grade converter units and most accurate circuit layout result in a refreshing clear sound with an audio resolution of up to 24 Bit/96 kHz and with an actual dynamics range of more than 100 dB(A) at the outputs. Special ASIO and MIDI drivers for Windows and CoreAudio/MIDI drivers for MAC OS X are provided for an optimal integration into the operation system of your choice.

With these low latency drivers you will be able to play your software synthesizers with a stunning, hardware-like performance. A variety of configurations that can be directly switched at the module always guarantee the best use of the Universal Serial Bus's bandwidth and provide you with reasonable

combinations of channels, sample- and bitrates at the push of a button. Furthermore, you can choose if you want to power your PHASE 26 USB directly via USB or by the help of an external power supply.

The complete mobility package

The specially chosen bundle software including Algoritmix Sound Laundry for restoring your old vinyl records complete the great package. No matter if you work mobile or in your studio with it's perfect sound, ease of use and well thought out features TerraTec's professional system PHASE 26 USB takes creativity back to where it belongs: into your ears!



Windows 2000/XP
MacOS 9/X
Firmware Flash
Bus- or Self-Powered
Phono (MM) Input
24 Bit/96 kHz
S/PDIF
MIDI I/O
Microphone In
Headphone Out

PHASE 26 USB



24 Bit/96 kHz Audio MIDI USB Interface



FEATURE HIGHLIGHTS:

- Six (5.1) analog outputs with studio output level
- Stereo input for line/studio devices
- Stereo input with preamp for turntables
- Mono input for microphones with gain control
- Headphone output with volume control
- S/PDIF digital I/Os, coaxial and optical
- MIDI input and output

Technical Data

- External USB device (USB 1.1)
- 3 analog stereo outputs (rear side), line level max. 2,1 Vrms, Cinch (RCA)
- 1 analog stereo input (rear side), line level max. 2,1 Vrms, Cinch (RCA)
- 1 analog stereo input (front side), line level max. 2,1 Vrms, Cinch (RCA)
- 1 analog stereo output (front side), line level max. 2,1 Vrms, Cinch (RCA)
- 1 analog stereo phono input (front side) for moving magnet systems max. 12 mV, Cinch (RCA)
- 1 analog mono microphone input (front side), 1/4" (6.3 mm) TRS jack
- 1 digital stereo in/output (front side), TOS-Link, optical, 24 Bit/96 kHz
- 1 digital stereo in/output (front side), coaxial, electrical, 24 Bit/96 kHz
- 1 MIDI in/output, (rear side), 5-pin DIN
- Microphone input control range: 9 mV - 500 mV
- Headphone output power: 36 mW
- Impedance of the line outputs: 220 Ohm
- Impedance of the line input: 10 kOhm
- Signal-to-noise ratio of the A/D converter, weighted: 97 dB (A)
- Signal-to-noise ratio of the D/A converter, weighted: 106 dB (A)
- 24 Bit/96 kHz A/D converter with 98 dB dynamic range (SNR)*
- 24 Bit/96 kHz D/A converter with 106 dB dynamic range (SNR)*

Software/Driver

- MME- and DirectSound support for Windows 2000 and Windows XP (generic USB audio driver)
- Core Audio/MIDI support for MAC OS X (system USB audio driver)
- ASIO 2.0 support for Windows and MAC OS 9
- WDM kernel streaming (e.g. for Sonar)
- DirectSound 3D
- Special Control Panel for Windows 2000/XP
- Firmware Flasher for Windows und MAC OS X

System Requirements PC

- Pentium III 800 MHz or higher
- 128 MB RAM
- PCI version: Windows 2000 or XP

System Requirements MAC

- G4 800 MHz or higher
- 256 MB RAM
- MAC OS 9 (ASIO only) and OS 10 (X)

System Recommendations PC

- Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- Windows XP with Service Pack 1 or higher

System Recommendations MAC

- G5 1,8 GHz
- 512 MB RAM
- MAC OS X Panther 10.3 or higher

*) This information depends on the technical data of the converter used



PHASE 26 USB

Full control and eye-catching design: PHASE 24 FW

The TerraTec PHASE 24 FW combines fine design and superior specs. Regardless of whether you're using the PHASE 24 FW on the move with your notebook or at home with your PC or Mac – this versatile audio system cuts a fine figure in any situation. Simply connect the sleek case to the FireWire™ port of your computer for fast, uncomplicated data exchange. The required cables and adapters are included, of course.

Additional Equipment? No problem!

The two analog mono inputs and outputs have been realized as professional, balanced 1/4" jacks – the studio standard simplifies the connection of additional equipment. DJs, for example, can create mixes on their laptops using applications such as Native Instruments Traktor; add an external beatbox, insert effects between the PHASE 24 FW and the computer, and control it all via a MIDI keyboard. Or resample via the digital I/O. An additional Stereo-out has an adjustable level and can be used as a line or headphone output. You always have complete control over brilliant, full sound—thanks to 24 Bit/192 kHz signal processing and a signal-to-noise ratio of 114 dB at the converter.

Sophisticated technology for all purposes

The PHASE 24 FW unites proven high-tech with innovative ideas and exclusive design into a harmonious whole. In the club and in the studio.



- FireWire™
- Digital I/O
- MIDI I/O
- 24 Bit/192 kHz analog
- 24 Bit/96 kHz digital
- ASIO
- WDM
- AC3/DTS
- Windows XP
- MAC OS X

PHASE 24^{FW}



24 Bit/192 kHz Audio Interface



Technical Data

- External FireWire™ audio interface
- 2 analog input channels, 1/4" jack, balanced
- 2 analog output channels, 1/4" jack, balanced
- 1 analog stereo output, 1/4" jack, usable as Line Out or adjustable headphone output.
- Coaxial digital input, cinch
- Coaxial digital output, cinch
- MIDI interface with 5-pin DIN connection
- Analog playback with up to 24 Bit/192 kHz resolution
- Analog recording with up to 24 Bit/192 kHz resolution
- Digital playback with up to 24 Bit/96 kHz resolution
- Digital recording with up to 24 Bit/96 kHz resolution
- Digital interface for S/PDIF, AC3 and DTS formats
- 24 Bit/192 kHz A/D transformer with 110 dB (A) SNR*
- 24 Bit/192 kHz D/A transformer with 114 dB (A) SNR*
- 2.2 V RMS output level

Software

- WDM driver for Windows XP SP1
- Core Audio and Core MIDI support for Mac OS X
- Support for ASIO 2.0 – Windows only
- ASIO and WDM multiclient support – Windows only
- WDM Kernel Streaming (e.g. Sonar) – Windows only
- Support for MME and DirectSound – Windows only
- Control Panel for Windows XP SP1 and Mac OS X

System Requirements PC

- Pentium III 800 MHz or higher
- 128 MB RAM
- FireWire™ port
- PCI version: Windows 2000 or XP

System Requirements MAC

- G4 800 MHz or higher
- 256 MB RAM
- FireWire™ port
- MAC OS9 (ASIO only) and OS 10 (X)

System Recommendations PC

- Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- FireWire™ port
- Windows XP with Service Pack 1 or higher

System Recommendations MAC

- G5 1.8 GHz
- 512 MB RAM
- FireWire™ port
- MAC OS X Panther 10.3 or higher

*1) This information depends on the technical data of the converter used

FEATURE HIGHLIGHTS:

- **FireWire™ audio interface**
- **2 analog inputs, balanced 1/4" jack**
- **2 analog outputs, balanced 1/4" jack**
- **1 analog stereo output, 1/4" jack, usable as Line Out or adjustable headphone output.**
- **1 coaxial digital I/O**
- **1 MIDI I/O**
- **24 Bit/192 kHz analog signal processing**
- **24 Bit/96 kHz digital signal processing**
- **2.2 Vrms output level**

Windows 98SE-XP
MAC OS X
24 Bit/96 kHz
Balanced Analog I/O
Giga Compatible
AC3/DTS
S/PDIF
MIDI I/O
WDM
ASIO

High class technology that grows with your needs:

The PHASE 22 system is the perfect start into the world of professional audio cards!

The PHASE 22 rounds out the PHASE family's product pallet but that does not mean that you have to do without the accustomed high-class technology of the TerraTec Producer series. The two analog in and output channels of the PCI audio interface allow contact with the outside world via balanced 1/4" (6.3 mm) TRS jacks with a resolution of up to 24 Bit/96 kHz. An S/PDIF connection creates an interference-free connection to your digital equipment, and digital playback is possible at a resolution of up to 192 kHz.

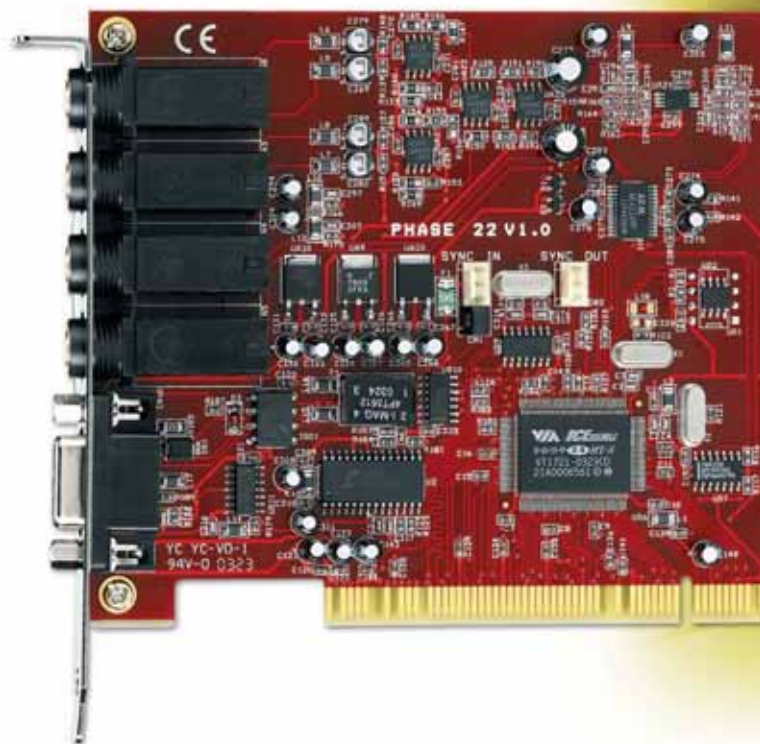
Optimised drivers for extreme low latency

High-end converter components ensure an audio quality which meets even the highest studio requirements. The optimized driver pack ensures extremely low latency times, whether on PC or MAC. ASIO 2.0 support and delay-free support of multiple inputs and outputs are, of course, featured, as is problem-free interplay with the Gigastudio format GSIF. Of course, you do not need an extra interface for your synthesizers any more: a 16 channel MIDI I/O is also provided.

A matter of size

And the best thing about it: if your studio ever grows, and you need more inputs and

outputs, you can quite simply cascade and synchronize up to four PHASE 22 in a computer at once using only one driver. Or, combine them with the PHASE 28 and enter the world of advanced recording capabilities.



PHASE 22



Fruityloops Edition

24 Bit/96 kHz Recording Interface

Technical Data

- PCI audio interface
- 2 balanced analog input channels 1/4", (6.3 mm) TRS jacks
- 2 balanced analog output channels 1/4", (6.3 mm) TRS jacks
- Coaxial digital input, Cinch
- Coaxial digital output, Cinch
- Digital interface for S/PDIF, AC3 and DTS formats
- MIDI interface, 5-pin DIN connection
- Analog playback with up to 24 Bit/96 kHz resolution
- Analog recording with up to 24 Bit/96 kHz resolution
- Digital playback with up to 24 Bit/192 kHz resolution
- Digital recording with up to 24 Bit/96 kHz resolution
- 24 Bit/96 kHz A/D converter with 100 dB(A) SNR*, typically 102 dB(A)
- 24 Bit/192 kHz D/A converter with 110 dB(A) SNR*, typically 110 dB(A)
- 2,2 Vrms output level
- EWS Connect® link for synchronized cascading of additional PCI systems**

Software

- WDM driver for Windows 98SE/ME/2000 (PCI version only) and Windows XP
- Core Audio and Core MIDI support for Mac OS 10 (X)
- ASIO 2.0 and GigaStudio (GSIF) support
- ASIO/GSIF Multi-Client mode
- WDM Kernel Streaming, e.g. for Sonar™
- MME and DirectSound support
- Control panel for Windows 98SE/ME/2000 XP and Mac OS X

System Requirements PC

- Pentium III 800 MHz or higher
- 128 MB RAM
- PCI version: Windows 98SE, ME, 2000 or XP

System Requirements MAC

- G4 800 MHz or higher
- 256 MB RAM
- MAC OS 10 (X)

System Recommendations PC

- Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- Windows XP with Service Pack 1 or higher

System Recommendations MAC

- G5 1,8 GHz
- 512 MB RAM
- MAC OS X Panther 10.3 or higher

* This information depends on the technical data of the converter used
** You can cascade and synchronize PHASE 28 and PHASE 22 audio systems. You can control up to four systems in one PC with only one driver and one Control Panel.



FEATURE HIGHLIGHTS:

- **2 balanced analog inputs, 1/4" (6.3 mm) TRS jacks**
- **2 balanced analog outputs, 1/4" (6.3 mm) TRS jacks**
- **24 Bit/96 kHz signal processing of the analog inputs and outputs**
- **24 Bit/96 kHz digital input, 24 Bit/192 kHz digital output**
- **102 dB signal-noise ratio (A evaluated) of the analog inputs**
- **110 dB signal-noise ratio (A evaluated) of the analog outputs**
- **MIDI interface**
- **Low Latency ASIO 2.0, GSIF and WDM kernel streaming support**



Aureon 7.1 FireWire - the future has begun

It's already clear from the futuristic metal housing with its control knobs lit in orange and blue LEDs: TerraTec's Aureon 7.1 FireWire is setting a clear course for the future.

Its styling and technology make the external 7.1 surround sound system the right choice for serious gamers, home musicians and home theater owners that want the full impact of their DVD movies with impressive surround sound.

Leave the past behind - enjoy convenience

Opening your computer and tinkering with internal cards is history — thanks to its lightning-fast, state-of-the-art FireWire™ technology, you can leave your screwdriver in the toolbox. Simply install the drivers, plug it in and enjoy the many highlights of the Aureon 7.1 FireWire: connect your equipment to the analog line and phono inputs (with preamp) or the digital I/O (S/PDIF, optical).

It even features a professional microphone input for vocalists (1/4" jack) with a gain control and peak LED. And if there's ever a

time where you can't or don't want to enjoy the full punch of eight speakers in 7.1 surround sound, you can tone things down a bit — just use the high-quality headphones connector with its separate volume control.

24 Bit/192 kHz signal processing for pure sound

Whether you're using speakers or headphones, the system's audio quality is always in a class of its own with up to 24 Bit/192 kHz signal processing — whether you're gaming, listening to MP3s or playing music of your own. And the best thing about it: you can control the Aureon's functions and those of all other common PC multimedia applications from the comfort of your sofa with the infrared remote control.

**Aureon 7.1 FireWire -
be prepared for the future.**



AUREON 7.1 FIREWIRE

External Audio Solution



Technical Details

- 8 analog outputs (Cinch) 24 Bit/192 kHz
- Analog stereo Line Input (Cinch) 24 Bit/96 kHz
- Phono Input stereo (Cinch) with Hardware RIAA and 24 Bit/96 kHz
- Headphones Output (6.3mm Jack) with Volumecontrol 24 Bit/192 kHz
- Microphone Input (6.3mm Jack) with Gain Control and Peak LED (24 Bit/96 kHz)
- Optical Digital S/P DIF Input (TOS Link) 24 Bit/96 kHz
- Optical Digital S/P DIF Output (TOS Link) 24 Bit/96 kHz
- Non Audio output on Digital Output (AC-3)
- IEEE-1394 compliant Interface for PC/Mac (FireWire™)
- Hot plugging capable
- Buspowered
- Optional external power supply
- ASIO 2.0 Support for all In- and Outputs
- IR remote control with application

Software

- Driver for PC (Windows XP)
- Control Panel for Windows XP
- Remote control application
- Algorithmmix Sound Rescue – TerraTec Edition 2.0

System Requirements/Recommendation

- Windows XP with Service Pack 1
- One free IEEE-1394 (FireWire™/iLink™) port
- Intel Pentium III or AMD K6 III 600 or higher
- 256 MB system memory
- DirectX 8.1 compatible
- 32 MB 3D video card
- CD-ROM drive/DVD-ROM drive (for DVD playback)
- 100 MB free hard disk space



The high tech Guitar-to-MIDI Controller:

The AXON AX 100 system for all electric/acoustic guitars and basses!

MIDI and guitar – two different worlds until now. With the AXON AX 100, the technical problems involved in connecting electric or acoustic guitars and basses to the MIDified studio world are finally a thing of the past.

The ultra-fast guitar-to-MIDI controller in a single-unit rack mount has an early recognition system which evaluates the impulses from the strings as soon as they are picked and converts them into values for pitch, dynamics and length. A 32 Bit RISC processor makes it possible, opening up a whole new world of music to the guitarist.

Never again will you have to change guitars to produce a different sound – just switch the MIDI channel. On the AXON AX 100, you can either choose from 128 presets or trigger external sound devices such as samplers and synthesizers. Then, depending on the sound generator you are using, a guitar can become a synthesizer, an electric piano or a saxophone.

Everything is possible – even at the same time. With the 12 play area zones, the AXON AX 100 even makes your guitar multitimbral – you can play different instruments by splitting the fretboard, strings or pickups!

Optional connecting pedals and buttons add effects and even more variety to your playing – as does the built-in arpeggiator. Listen for yourself: The AXON AX 100 marks the beginning of a whole new era for guitarists and bass players.



Optional connecting pedals and buttons add effects and even more variety to your playing – as does the built-in arpeggiator. Listen for yourself: The AXON AX 100 marks the beginning of a whole new era for guitarists and bass players.

AXON AX 100



AXON AX 100

Guitar-to-MIDI Controller



Technische Daten

- Extreme fast tracking
- Pick position recognition
- Works with steel, nylon or bass strings
- 128 programmable presets
- 12 play area zones (segments)
- Programmable foot switch connections (hold and preset)
- Arpeggiator with programmable rhythm sequences
- Built-in tuning unit
- 32 Bit RISC processor
- Variable microphone input
- 2 audio outputs for optional sound card
- Pickup systems for electric, acoustic and bass guitars

FEATURE HIGHLIGHTS:

- **Extreme fast Guitar-to-MIDI Controller with impulse early-recognition system**
- **Compatible with electric and acoustic guitars and basses**
- **Automatic pick position recognition**
- **12 play area zones**
- **128 programmable presets**
- **32 Bit RISC processor**
- **Tuning unit**
- **Arpeggiator**

High quality mixers ...

MIXER

Does your keyboarder need a preliminary mix of his synthesizers on stage? Would you like to organize your studio mixing desk by grouping your synthesizers? Does your guitarist want to get a handle on his effects devices? And do you want to solve all of these problems with a device that takes up as little space as possible? Then the SINE rack mixers are the perfect solution.

... don't need to be big!

And because good racks are expensive and space in them is always in short supply, we fit all of these features into a 1U 19" housing. We didn't sacrifice quality to achieve this, however. With a signal-to-noise ratio of >97 dB and a frequency response of 20 Hz - 20 KHz, noise isn't an issue and signals pass through the mixer without losses.



SINE SLE 82



SINE SLM 82



SINE SLM 162

FEATURE HIGHLIGHTS:

SINE SLE 82

- 4 stereo channel pairs with a total of 8 inputs and 2 outputs
- effects loop with stereo return, adjustable for each channel
- volume and balance controls for each input channel pair
- master volume
- signal-to-noise ratio > 97 dB

FEATURE HIGHLIGHTS:

SINE SLM 82

- 4 stereo channel pairs with a total of 8 inputs and 2 outputs
- volume and balance controls for each input channel pair
- master volume
- signal-to-noise ratio > 97 dB

FEATURE HIGHLIGHTS:

SINE SLM 162

- 8 stereo channel pairs with a total of 16 inputs and 2 outputs
- volume and balance controls for each input channel pair
- master volume
- signal-to-noise ratio > 97 dB

Real vintage sound and full MIDI support – the analog **SINE MB 33 II Bass Synthesizer**

Sometimes it's necessary to uphold traditional values. That's why the audio synthesis of our SINE MB 33 II bass synthesizer is 100% analog – its 19" 1U housing is packed with transistors and resistors that deliver incomparable vintage sound.

Experts will recognize its kinship to legends

such as TB 303 with a glance at the technical specifications in the manual: VCO with sawtooth or square wave, 18 dB low-pass filter and VCF input for external signals. They'll be astonished to find, however, that we've also equipped the SINE MB 33 II with full MIDI support, a switchable suboscillator and a distortion effect – sometimes it's even possible to improve on a legend.

Legendary sounds reborn

The simplest thing is to simply trust your ears. The 10 control knobs on the front panel will have you experimenting in no time. Tweak the cutoff, resonance and envelope modulation, the pulse width of the square wave, or the ratio of square wave/sawtooth and suboscillator.

FEATURE HIGHLIGHTS:

SINE MB 33 II

- 100% analog audio synthesis
- VCO switchable between square wave and sawtooth
- Switchable suboscillator
- 18 dB low-pass filter

SINE MB 33 II



SINE WARP 9



The sound of the 70s with today's technology – the **SINE WARP 9 MIDI Analog Multimode Filter**

TerraTec's multimode filter cleverly enhances the circuitry of the legendary EDP Wasp synthesizer from 1978 with the latest MIDI control and program memory. The heart of the 19" (1U) unit is the VCF with high-pass, bandpass, low-pass and notch modes and an attenuation slope of 12 dB which can be manipulated in many different ways.

The greatest choice

Envelope and LFO, but also MIDI data such as velocity, note value or modulation wheel can be used to manipulate the filter frequency. The envelope can be triggered via an analog input, the LFO can be synchronized to the MIDI clock — nothing is impossible. Any changes to the 10 control knobs and 5 buttons on the front panel are output via MIDI and recorded via the sequencer. Your program settings can be stored in one of 32 memory slots.

FEATURE HIGHLIGHTS:

SINE WARP 9

- MIDI-controllable 12 dB filter with resonance
- Low-pass, high-pass, bandpass and notch filter
- Volume modulation through VCA
- Analog trigger input
- Switchable distortion effect
- Control positions sent and received via MIDI
- Filter modulations: LFO, envelope and MIDI combinable
- 32 program memory slots

Independence par excellence - the SINE HP 48

A 24-channel mixer, digital recorder, and plenty of synthesizers – and each one has its own headphone output. With the SINE HP 48 you can avoid the annoyance of replugging your headphones – not to mention arguments over the headphones when several musicians are in the studio at the same time. The four powerful stereo amps of the 19" unit can process an equal number of independent input signals applied to the jack sockets on the rear panel. Naturally, each channel has its own volume control.

The front panel has sockets for up to 8 headphones. Thanks to the flexible and practical routing capabilities of the SINE HP 48, it's up to you whether individual sources are assigned to each user or all listen to the same signal.

Everything under control

The unit also does without superfluous ballast: four controls, eight jack sockets and a status LED ensure that the SINE HP 48 only requires a single rack height unit.

The headphone amp also features an external power supply to ensure that its immediate environment is not exposed to excessive heat. The SINE HP 48 has your ears' needs covered – with ideal headphone amplification for professional studio work.

The TerraTec Producer SINE studio power amplifier series is especially designed for use with near field monitors. Thanks to their compact 19" 1U housings, these amplifiers can find a home even in small racks. Thermal overload protection guarantees professional safety standards, while the switch-on delay protects your speakers against nasty spikes when powering up. Noise simply isn't an issue for the SINE PA models with their signal-to-noise ratio of 97 dB (30 W at 1 ohm).

SINE HP 48



FEATURES:

SINE HP 48

- 4 independent stereo amplifiers
- Powers up to 8 sets of headphones
- Reproduction of 4 independent stereo sources

FEATURES:

SINE PA 120

- 2 x 60 W power output
- Thermal overload protection
- 97 dB signal-to-noise ratio at 30 W at 1 ohm

A class of its own - the SINE PA series

SINE PA 120



SINE PA 200



SINE PA 460



FEATURES:

SINE PA 200

- 2 x 100 W power output
- Switch-on delay for monitor protection
- Extremely compact 1U design
- Ideal for studio near field monitors
- Thermal overload protection

FEATURES:

SINE PA 460

- 4 x 60 W power output
- Switch-on delay for monitor protection
- Extremely compact 1U design
- Ideal for studio near field monitors
- Thermal overload protection

**Always in tune -
the SINE CT 1**

Guitarists know the problem, as do bass players — even keyboarders with older analog synthesizers struggle with poorly tuned instruments. Even with modern digital instruments it can happen that someone will accidentally tamper with the tuning when navigating through the depths of the sub-menus. Relief is in sight with the SINE CT 1 chromatic rack tuner.

It doesn't matter whether you're sitting in a noisy rehearsal room and you can't hear yourself think, or if recording is already in progress in the studio next door and absolute silence is essential — the SINE CT 1 will get you in tune in any situation. Simply plug your instrument into one of the 1/4" jack sockets — identical ones are available on the front and rear panels — and strike a string or key.

Not only tuning ...

The 7-segment display automatically shows the pitch being played, while the LED chain indicates the possible deviation. The mute switch or optional foot switch lets you mute the tone output while tuning. If you would rather depend on your hearing, use the integrated tone generator which covers a range of C1 – B5 in semitones. The reference tone can be adjusted freely in a range of 438 – 445 Hz in 1 Hz steps. If precision is essential, the SINE CT 1 is your best choice.

**Hum is dead - the
SINE DI series**

Cables have the job of transporting signals from Point A to Point B. Unfortunately, they frequently pick up noise along the way. Unbalanced connections — as can be found on nearly all synthesizers, basses and guitars — are especially sensitive to interference from power cables, unlike the balanced signals from microphones. The result: unpleasant hum. The SINE direct-in boxes are the answer to this problem.

Monitoring without noise

Nomen est omen — "DI" stands for "direct inject", letting you connect unbalanced signal sources directly to the balanced microphone inputs of your mixer. The electrical isolation of input and output signals in the SINE DI series makes it possible. These units also feature ground-lift switches to kill hum caused by potential differences between devices.



SINE CT 1



SINE DI 4



SINE DI 8

FEATURES:

SINE CT 1

- Reference tone adjustable from 438 Hz to 445 Hz in 1-Hz steps
- Integrated tone generator (C1 – B5 in semitones)
- Mute function, foot switch optional
- Display sensitivity adjustable in three steps

FEATURES:

SINE DI 4

- Electrical isolation of input and output signals
- Eliminates hum in the studio
- Balancing of input signals
- - 20 dB/- 40 dB attenuation switches
- 4 channels

FEATURES:

SINE DI 8

- Electrical isolation of input and output signals
- Eliminates hum in the studio
- - 20 dB attenuation switches
- 8 channels

The ideal add-on for project studios

While based on the technology used in the AudioSystem EWS 88 MT, the "D" model provides 10 digital audio channels. The optical TOS-Link interface (light pipe) can handle either 8 channels in ADAT™ format, or a stereo S/PDIF signal (up to 24 Bit and 96kHz). In addition to standard 16- and 20-bit, state of the art 24 Bit resolutions can also be transferred. Also, 2 independent MIDI ports and an S/PDIF interface with coaxial connections (up to 24 Bit and 96 kHz) is available to which the ADAT™ signal can be routed or mixed – the EWS 88 D can thus also serve as a converter and/or down-mixer.

Technical Details:

General

- PCI board
- 10 digital inputs and outputs in total
- Simultaneous recording and playback of up to 20 channels in 24 Bit/96 kHz
- 8 digital input and output channels in ADAT™ format (optical TOS-Link)
- 16, 20 and 24 Bit processing of the ADAT™ signal with up to 48 kHz sampling rate
- Variable sampling rate of the ADAT™ input signal up to 52 kHz
- Optical input and output can also be switched to S/PDIF format (up to 24 Bit/96 kHz)
- Additional digital stereo input and output (S/PDIF, coaxial, up to 24 Bit and 96 kHz)
- 20 channel mixer with 36 Bit internal resolution
- Busmaster transfer supports '24 Bit 4 Byte mode' (32 Bit) to reduce processor loads
- VU meter in ControlPanel (visualized via software)

Sample-true synchronisation

Even cascading the EWS systems under one another is possible without a problem. The number of simultaneously available inputs and outputs can thus be increased by the use of up to three additional EWS systems with EWS Connect®. An internal connection guarantees the sample-exact synchronization of all the cards at any time. Of course, the card can also be synchronized with a WordClock signal by the TerraTec EWS ClockWork module. This makes the AudioSystem EWS 88 D an ideal complement to a digital project studio.

- EWS Connect®**
- Non-Audio mode: AC3 streams can be transmitted through the digital outputs
- Non Audio mode: AC3 streams can be transmitted through the digital outputs
- Analog stereo output (SystemSound out) with 18 Bit converter and up to 48 kHz, (3.5 mm jack) for MME and DirectSound
- Two internal stereo inputs with up to 16 Bit and 48 kHz (Molex) **
- 2 separate MIDI interfaces (splitter cable)

Software

- Driver for Windows 95/98 and Windows NT
- Driver for ASIO2.0 and Nemesys GigaSampler (GSIF)
- MME and DirectSound support
- ControlPanel for Windows 95/98 and Windows NT
- Emagics MicroLogic
- SEK'Ds Samplitude Project



The AudioSystem EWS 88 D works straight away with all common audio applications under Windows 95/98 and NT. Drivers for these operating systems are included, as well as support for Steinberg's ASIO 2.0 technology, Microsoft's DirectSound, MME and Nemesys GigaSampler GSIF. And here, too, its uniqueness lies in the details, because the drivers are capable of transmitting 24 Bit audio data to the audio software used as a 32 Bit data stream. This feature noticeably unburdens the main processor, because unlike with the common packed-byte process, the 24 Bit data does

System Requirements

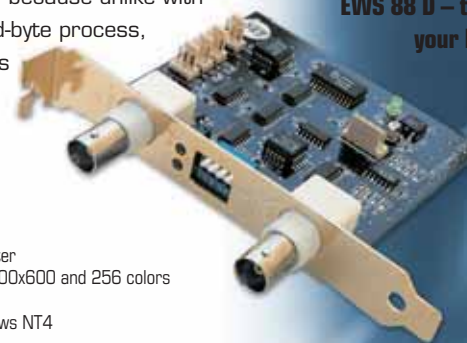
- Pentium 200 MMX or faster
- VGA with a resolution of 800x600 and 256 colors
- 32 MB RAM
- Windows95, 98 or Windows NT4

System Recommendations

- Intel Pentium II 400 or AMD K7 500 Athlon CPU
- ULTRA DMA or SCSI onboard controller
- VGA with a resolution of 1024x768 and HiColor
- 128 MB RAM
- Windows 98 (SE) /ME, Windows NT4/2000

*) Audio systems with EWS Connect® can be linked and synchronized with one another. Up to 4 systems are possible in one PC by using the same driver and ControlPanel.

***) These inputs can only be monitored using the SystemSound outputs.



not have to first be stacked several times before being transmitted through the 32 Bit wide bus.

The software provided leads you directly to the goal of your audio dreams: the expansive control panel permits the routing of the different signal sources and allows synchronization and driver settings. Included in the package: EMAGICs LOGIC 4 for creative music processing with the EWS. In addition, there is SEK'D's popular audio editor Samplitude in a specially adapted version – Mastering features like de-noiser, multiband-EQ and hum compressor included!

EWS 88 D – the ADAT™ extension for your EWS/PHASE PCI studio

MIDI HUBBLE



The MIDI HUBBLE combines a MIDI interface (two inputs and outputs each) with a USB 1.1 hub to provide you with three additional USB ports. With an optional AC adapter, each of the ports provides a maximum current of 500 mA (self-powered). If the connected peripheral device needs less, operating power can be drawn alternatively over the connection to the PC (bus-powered). Status LEDs for the MIDI as well as for the USB ports indicate whether

signals are being applied. As an added extra, the MIDI section features a small control panel which can be used to set LED status filters (active sensing) or to configure the MIDI routing of inputs to outputs when no music software is accessing the device.



VICE VERSA S/PDIF Converter

Vice Versa is a compact S/PDIF converter that permits devices with optical TOS-Link ports to be connected to electrical cinch connections – and vice versa. Thanks to its clever circuit design, it can be used as a bidirectional converter or as a signal repeater. In addition, Vice Versa can be used to bridge large distances. A special highlight

is the choice of power supplies, either via a standard USB cable or an external power adapter – Vice Versa can therefore be used with a desktop or notebook PC without the need for an AC outlet! Vice Versa supports up to 24 bit/192 kHz as well as AC3 and DTS streaming for connections to DVD players and similar devices.



PHONO PREAMP USB



Whether your favorite hits are engraved in vinyl or your precious recordings are on tape: With ease and speed, the Phono PreAmp Studio can eternalize your LP, single or cassette recordings to your PC, for

example so that you can burn them to CDs. Do your records pop and crackle? Is there static noise on your tapes? No problem. The Phono PreAmp USB package includes Sound Rescue, a powerful yet very easy to use

restoration software that will get rid of those annoying noises for you in no time at all. It operates in real time, and with a simple click of the mouse.

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