

## DESCRIPTION

# PHASE 88 RACK

24 Bit/96 kHz Recording System



- 10 channel audio system, analog and digital
- 2 separate MIDI interfaces
- 24 Bit/96 kHz audio resolution for each channel
- Alternative FireWire™ or PCI interface
- Multiplatform support for MAC and PC

### 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 PCI audio system, you are 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" 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. Two of the channels can be adapted to microphone use at the press of a button - with XLR connectors and switchable 48 V phantom power. A two-channel digital I/O (S/PDIF) with 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. 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 (A) speaks for itself. The PHASE 88 Rack PCI system also is future-proof: if necessary, you can easily replace the rack module's PCI connection with an optional FireWire™ (IEEE 1394) interface.



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## 24 Bit / 96 kHz Recording System

### 19" module

- External 19" device (1U) with PCI or FireWire™ (IEEE 1394) interface
- 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/1/4" jacks microphone inputs (front side) as alternatives to line inputs 7 and 8
- Inputs 7 and 8 switchable between line/instrument and mic level
- 48 V phantom power switchable to the microphone inputs
- 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

### PHASE 88 Rack - PCI version

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

### System requirements PC - PCI version

- Pentium II 450 or higher
- 128 MB RAM
- Windows 98SE, ME, 2000 or XP

### Software - PCI version

- WDM driver for Windows
- MAC OS X support projected
- Support for ASIO 2.0 and GigaStudio (GSIF)
- ASIO/GSIF multi-client mode
- "WDM Kernel Streaming" (e.g. for Sonar)
- MME- and DirectSound support
- Control Panel for Windows 98SE/ME/2000/XP (MAC OS X projected)

### PHASE 88 Rack - FireWire™ version

- IEEE-1394 FireWire™ interface for PC/Mac
- 2 high-speed FireWire™ ports
- 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)
- None-Audio Mode for transferring AC3 or DTS via the digital output
- Stand-Alone operation mode

### System requirements - FireWire™ version

- Pentium III 800 or higher
- 128 MB RAM
- Windows XP with Service Pack 1 (SP1) or higher

### Software - FireWire™ version

- WDM driver for Windows
- MAC OS X Core-Audio/MIDI support since OS X 10.3.6
- ASIO 2.0 and GSIF (GigaStudio) support for all in- and outputs
- ASIO/GSIF/WDM (MME and DirectSound) multi-client mode
- "WDM Kernel Streaming" (e.g. for Sonar)
- MME- and DirectSound support
- Control Panel for Windows XP
- Control Panel for MAC OS X projected

### System recommendations - PC (PCI and FireWire™)

- Intel Pentium4 2 GHz, Celeron 2 GHz or AMD AthlonXP 2000 2 GHz
- 512 MB RAM
- Windows XP with Service Pack 1 (SP1) or higher

### System requirements - MAC (PCI and FireWire™)

- G4 800 MHz
- 256 MB RAM
- MAC OS X 10.3.6 or higher

### System recommendations - MAC (PCI and FireWire™)

- G5 1.8 GHz
- 512 MB RAM
- MAC OS X Panther 10.3.6 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.

Want to know more?

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