



TerraTec XLerate[®] Pro.

PCI SoundCard

THE A3D[™] CULT CARD FOR PRO GAMERS.

The TerraTec XLerate[®]Pro delivers a range of exciting features and functions that set new standards- especially in the 3D Audio sector- and which are guaranteed to thrill you. Keep those ears wide open.

With its Aureal Vortex 2 PCI audio chip, the card provides full hardware support for A3D[™]2.0 and DirectSound[™]/3D, reducing the CPU load and liberating extra power for swift, smooth gaming.

A3D[™]2.0 can handle up to 16 simultaneous audio sources that can be spatially positioned as required. What's more, Wavetracing[™] can calculate up to 64 reflections in real time for realistic environmental sound modeling. The position of the listener, the geometry of the surroundings and the reflective characteristics of a variety of materials are all taken into consideration. Thanks to Wavetracing[™], a gunshot sounds completely different in a closed room than it would outdoors, for example. Over 100 titles have already been published or are currently being developed for A3D[™]1.0 or A3D[™]2.0.

But that's not all. The XLerate[®] Pro supports audio output via headphones, two or even four speakers. The speaker configuration can be set up easily and intuitively with the XLerate[®] Pro ControlPanel to ensure the best possible audio playback in applications that support A3D[™] or DirectSound[™]3D. This permits the use of algorithms specifically developed for this type of output. The final touches can be added using the graphic 10-band stereo equalizer.

32-44.1-48: The parameters of the digital output are really something to hear. They ensure that your XLerate[®] Pro will quickly make contact-to your MiniDisc or DAT recorder for example-without losses, of course.

The integrated wavetable synthesizer satisfies even the most discriminating listeners. A high-quality 4 MB sample set provides the perfect setting for your MIDI music-including 320 solid voices and an effects processor!

The wavetable is also available in Windows[®] 95/98 DOS boxes to ensure that you don't have to miss out on powerful MIDI sound in your DOS games. The XLerate[®] Pro supports the Downloadable Samples Standard (DLS 1.0) so that you can replace the included 4 MB sample set with samples of your own. It's the ultimate in sound versatility.

And if that's still not enough, upgrade the XLerate[®] Pro with a wavetable daughterboard.

Thanks to its SoundBlaster[™]Pro compatibility, classic games also run in real-mode DOS without problems. The XLerate[®] Pro gameport is designed for analog as well as digital joysticks, and will even team up with Force Feedback joysticks.

TECHNICAL DATA

Key Features

- A3D™ 2.0 3D audio with 16 3D sources and up to 64 3D reflections
- DirectSound™ 3D hardware acceleration
- 2 Line-outs, stereo
- 320-voice DLS wavetable synthesizer with 2 x 8 effects
- Optical digital output (32 kHz/44.1 kHz/48 kHz; S/PDIF)
- Graphic 10-band stereo equalizer
- SoundBlaster™ Pro compatible
- 18-bit A/D-D/A converter
- Signal-to-noise ratio > 97 dB (A-A, A-weighted)

Compatibility

- A3D™ 1.0, A3D™ 2.0
- Microsoft® DirectSound™
- Microsoft® DirectSound™ 3D
- DLS 1.0
- General MIDI
- MPU-401™
- SoundBlaster™ Pro
- AC'97 v2.1
- PC 98
- PCI 2.1, PCI 2.2

Digital Audio

- A3D™ 2.0 3D-Audio, downwards compatibility to A3D™ 1.0
- A3D™ 2.0 Wavetracing engine with up to 64 reflections
- 8/16-bit audio stereo/mono for recording and playback with 48 kHz
- Extended full duplex stereo recording and playback (mono/stereo)
- Optical digital output at 32 kHz, 44.1 kHz and 48 kHz (S/PDIF)
- Hardware-based sample-rate conversion

Wavetable

- Up to 320 voices
- DLS 1.0 compatible
- 2-channel effects processing with 8 effects each
- High-quality 4 MB General MIDI sample set

MIDI/Joystick Interface

- MPU-401™ compatible
- SoundBlaster™-compatible MIDI interface
- DirectInput™ acceleration
- Analog/digital joystick interface

Audio Mixer

- Individual level controls for all audio sources
- Graphic 10-band stereo equalizer

External connectors

- 2 line-outs (stereo, 3.5 mm jack)
- 1 optical digital output (TOS link)
- 1 line-in (stereo, 3.5 mm jack)
- 1 microphone input (mono, 3.5 mm jack)
- MIDI/joystick interface (IBM 15-pin Sub-D)

Onboard connectors

- CD audio (MPC3)
- AUX input (MPC3)
- TAD connector (MPC3)
- WaveBlaster pin-compatible connection for wavetable daughterboards
- Expansion connector

Drivers

- MS-DOS 7.0
- Windows® 95/98
- Windows® NT 4.0

System requirements

- One free PCI 2.1-compatible PCI slot
- Intel® Pentium™ 166 MMX® or better, or comparable processor
- Min. 16 MB RAM, 32 MB RAM recommended
- Minimum screen resolution: 800 x 600, 256 colors
- CD-ROM drive for the XRate® Pro Software & Driver CD
- Min. 15 MB free hard disk space
- Active speakers or headphones
- Windows® 95/98 with DirectX™ 5.0 or higher, or Windows® NT 4.0 with Service Pack 3 or higher