TERRATEC PRODUCTINFO

Current as of: 10/22/99

TerraTec® XLerate.   PCI SoundCard

POSITIONAL 3-D SOUND LIKE YOU NEVER HEARD BEFORE.

More and more sound cards will be based on PCI. This trend is accelerated by the increasing demands to audio qualitiy and the wish to experience a realistic sound atmosphere. Multiple audio streams and 3D-Games with positional 3D audio make it necessary to escape the bottleneck of ISA.

For this reason we offer the TerraTec® XLerate, a Plug & Play – sound card based on the latest PCI technology, designed to fit the needs of beginners and gamers.

The TerraTec® XLerate is a complete, professional-quality PCI sound card, that combines a high-quality wavetable and the superior A3D™ technology with legacy audio compatibility in real-mode DOS and WIN95-DOS boxes.

The TerraTec® XLerate provides a wavetable and a radio connector to extend the cards abilities. The card can be upgraded with a wavetable daughterboard, or the unique TerraTec® ReceiverSystem ActiveRadio Upgrade Modul to have a complete RDS FM radio.

The TerraTec® XLerate supports A3D-Interactive (A3D-I), now implemented in many new games for Windows 95 PCs. A3D-I creates a more life-like listening experience by replicating the 3D audio cues that the ears hear in the real world. Unlike "surround sound", A3D-I requires only two speakers, but still provides an immersive audio experience. Unlike "stereo extenders", A3D-I actually positions sounds in particular places on a virtual 3D soundstage. In A3D-I games, sound sources move in response to game action – racecars or spaceships zoom past, and bullets zip round the listener's head.

But that's not all. The TerraTec® XLerate provides complete hardware emulation of legacy audio, such as Sound Blaster Pro and AdLib sound cards, in Windows95 and DOS. So you don't have to throw away your favourite game titles running under real-mode DOS or in Win95 DOS-boxes. Likely it will improve the sound of your DOS games, because of its high audio quality.

In addition to all the advantages explained before, we spend the TerraTec XLerate an excellent 64 voices integrated wavetable synthesizer that complies with the General MIDI specification. So even musicians will enjoy to listen. Not only Windows 95 - these impressive sounds are also available in Win95 DOS boxes, so you can have native MIDI support in your games, running in Win95 DOS boxes.

TECHNICAL DATA

Key Features.

- A3D™ Positional 3D-Audio
- Real-Mode DOS SoundBlaster™ and SoundBlasterPro™ compatible
- DirectSound™ compatible
- Integrated Wavetable
- Radio connector
- Wavetable connector

Compatibility.

- Microsoft™ DirectSound™
- Microsoft™ DirectSound™ 3D
- A3D™
- General MIDI
- MPU-401 compatible
- SoundBlaster®
- SoundBlaster® Pro
- AdLib™
- OPL2/3 compatible FM synthesis
- MPC Level 3
- AC'97
- PC 98
- PCI Specification Rev. 2.1
- PCI Bus Power Management Interface Specification 1.0

Digital Audio.

- Positional 3D-Audio A3D™
- 8/16 bit playback with sample rates up to 48kHz (mono/stereo)
- Extended Full Duplex playback and record in stereo
- Playback and record of all audio sources

Wavetable.

- Up to 64 simultaneous voices
- Stereo chorus and stereo reverb, channel based
- 4MB High Quality Soundset

MIDI/Joystick Interface.

- DirectInput™ acceleration
- MPU-401 (UART Mode) compatible
- SoundBlaster® MIDI interface
- Analog/Digital joystick interface

Audio Mixer.

- Individual volume control for all inputs

External connectors.

- Switchable Speaker / Line-Out (3.5mm audio jack)
- Line-in (3.5mm audio jack)
- Mic-in (3.5mm audio jack)
- MIDI/Joystick interface (IBM 15 pin Sub-D)

Onboard connectors.

- WaveBlaster pin-compatible connector for an optional wavetable daughterboard
- Radio connector for the optionally available TerraTec ReceiverSystem ActiveRadio upgrade module
- CD-ROM connectors for
  - Sony
  - IDE
- Internal connectors for the external audio connectors (Line-Out, Line-In, Mic-In)

Amplifier.

- Stereo amplifier 2 x 1 Watt

Drivers.

- MS-DOS®
- Windows 95®
- Windows NT 4.0®

Software.

- Steinberg Cubasis AV Lite
- Steinberg Wavelab Lite
- Mixman Base Edition
- Vocaltec InternetPhone 4.5

System requirements.

- One free PCI 2.1 compliant PCI slot
- Pentium 200 MMX or higher
- 16MB Sytem Ram, recommended 32 MB System Ram
- CD-Rom drive for Installation and Driver CD
- 15 MB free hard disk space
- Speaker or headphones
- Windows 95/98® with DirectX 5.0 or higher, or Windows NT 4.0 ® with ServicePack 3 or higher