

rhythmic edge

PSC 703

4-Channel PCI Sound Card

- Transforms all your MP3s, CDs, MIDI, games and movies into 4 distinct channels of quadrasonic sound.
- Hear high-impact 3D sound using two, three, four speakers or headphones.
- Virtual 5.1-channel playback over 2 speakers for DVD movies.
- EAX™ 1.0, EAX™ 2.0 and A3D™ 1.0 game compatibility.
- Included software: Sonic Foundry® SIREN Xpress™, Acid XPress™, QSound AudioPix™.



Let's make things better.



PHILIPS



4-Channel PCI Sound Card

Experience state-of-the-art Surround Sound. Rhythmic Edge makes listening to music a whole new experience. You'll hear every nuance of every song as the sound swirls around you. And it's not just for music; the amazing technology behind the Rhythmic Edge breathes new life into almost any audio source.

Coupled with the unique QMSS algorithm, the Rhythmic Edge analyzes stereo mixes and places sound effects in convincing three-dimensional space. This translates to intense game sound effects and concert hall realism for all genres of music.

The power behind Rhythmic Edge is the Philips ThunderBird Avenger™ audio accelerator. This powerful DSP (Digital Signal Processor) can process up to 256 sounds simultaneously with minimal consumption of your computer's power. An extreme hardware accelerator assures high-fidelity audio and frees your computer to concentrate its power on better graphics and game speed.

With up to 96 available concurrent 3D streams, and with EAX™ 1.0, EAX™ 2.0 and A3D™ 1.0 game compatibility, Rhythmic Edge delivers the most powerful audio force available today for the most intense music or gaming experience possible.

Manage your music portfolio. SIREN™ XPress software can create, play and manage your entire audio portfolio – Internet downloads, MP3, CDs and more.

Make your own MP3 music slide show. Use the enclosed AudioPix software to combine digital images with MP3 music for the ultimate multimedia presentation or music video.

Create your own music. Sonic Foundry's Acid Xpress software is the new standard in loop-based music production. Work with hundreds of pre-recorded loops to mix your own music.



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Technical Specifications

Digital Acceleration

- 96 streams of 3D audio acceleration including reverb, obstruction, and occlusion
- 256 streams of DirectSound accelerations and digital mixing
- Full-duplex, 48khz digital recording and playback
- 64 hardware sample rate conversion channels up to 48khz
- Wavetable and FM Synthesis
- DirectInput devices

Comprehensive Connectivity

- 4-channel analog output
- Digital S/PDIF output (stereo, AC3 or DTS signal)
- Dual Midi/Gameport
- Additional external inputs: Line in, Mic in
- Additional internal inputs: CD in, Aux in, TAD in
- Special effects can be applied to any audio input including conversion of stereo to quadraphonic, QXpander, and reverb

Music Synthesis

- Up to 576 total wavetable synthesis voices
- Reverb and chorus
- 64 channel hardware CD quality (16 bit, 44.1khz) wavetable synthesizer with 5.9MB sample set
- Hardware FM Synthesizer (real mode DOS)
- 512 voice professional quality soft-synth with XG and GM compatibility

Digital Signal Processor Algorithms

- QSound3DInteractive™ positional 3D for 2 speakers or 4 speakers
 - QSound Multi Speaker System™ for quadraphonic output of stereo music, video and games
 - QSound Environmental Modeling for EAX™ and DirectSound3D™ games
 - QXpander™ for 3D enhancement of stereo playback
 - QSurround™ virtual 5.1 playback of DVDs using 2 speakers*
- * Soft DVD player required

Minimum System Requirements:*

- One available PCI 2.1 compliant slot
 - Genuine Intel® Pentium® class 166Mhz or faster processor
 - Intel® or 100% compatible motherboard chip set
 - 16MB system RAM
 - CD-ROM drive for driver installation
- * Bundled applications may have additional system requirements

Operating Systems Supported:

- Microsoft Windows® 95, 98, NT® 4.0*, 2000, Me
 - MS-DOS® (real mode and box)*
- * Not all product features supported when using this operating system

Compatibility:

- Microsoft DirectSound, DirectSound3D, and DirectInput
- EAX™ 1.0 and EAX™ 2.0 applications
- A3D™ 1.0 applications
- SoundBlaster Pro™ in real mode DOS and DOS box
- MPU-401 UART MIDI Interface
- DirectInput game controllers and most legacy analog and digital joysticks

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