

acoustic edge



5.1-Channel PCI Sound Card

- First PCI card capable of playing ALL games, music and movies in fully-accelerated true 5.1 surround sound.
- Expands stereo sources into complex, distinct 5.1 surround channels, using patented QSound algorithm.
- 96 distinct 3D Voices, 256 distinct DirectSound Voices & 576 distinct synthesized Wavetable voices.
- Radical hardware acceleration using the extreme Philips ThunderBird Avenger™ DSP.
- Comprehensive music management with SIREN™ XPress MP3 software.



Let's make things better.



PHILIPS

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5.1-Channel PCI Sound Card



Unleash the excitement of home theater on your PC. Envelop yourself in genuine digital surround-sound – with discrete six-channel output – right on your desktop. Games, CDs, MP3s and movies come to life from your computer with the excitement of full-blown home cinema surround sound. Advanced audio algorithms embedded in Acoustic Edge's high-performance audio accelerator support the latest in DVD movies and gaming audio, and will transform stereo sources into deep-immersion 5.1-channel surround sound.

Experience state-of-the-art 360° Surround Sound. An embedded, patented QSound algorithm extracts complex and distinct 5.1 channel information from stereo or ProLogic sources. Coupled with the unique QMSS algorithm, the Acoustic Edge analyzes stereo mixes and places sound effects in convincing three-dimensional space.

QSound algorithms will give you unmatched 3D audio realism for games and movies using any speaker configuration from two to six speakers. For true 5.1 multi-channel sound, add 5.1 channel surround speakers and Acoustic Edge™ will transform your PC into your PHT (personal home theater).

The power behind Acoustic 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 or game speed. With up to 96 available concurrent streams, and with EAX™ 2.0 and A3D™ 1.0 game compatibility, Acoustic Edge delivers the most powerful audio force available today for the most intense game experience possible. Turn your games into a true home theater experience!

SIREN™ XPress Music Management Software. Record CDs and other music straight to your hard drive at the highest-possible quality – save songs at near CD-quality (2 minutes per MB) or at full CD-quality (1 minute per MB) Use it to create your own library of music! Add names of the song, artist, album and genre type to each track in your library. Enter information yourself, or use SIREN™ XPress CDDB link to get the data directly over the Internet. Then, organize your music collection with SIREN™ XPress' powerful music management engine. Use sorting, grouping and filtering to organize thousands of songs quickly.



Recommended Speaker Set -
Philips MMS206 5.1 Multi-Channel PC Speaker System

www.philipsusa.com

Technical Specifications

Audio Accelerator/Digital Signal Processor

- PHILIPS ThunderBird Avenger™ DSP for extreme hardware acceleration

Codec

- AC97 CODEC

Digital Acceleration

- 96 streams of 3D audio acceleration including position reverb
- 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

- 5.1 (6 channel) channel analog output
- Digital S/PDIF output (stereo, AC3 or DTS signal)
- Digital S/PDIF input
- MIDI in/Midi out/dual game port
- Additional external inputs: Line in, Mic in
- Additional internal inputs: CD in, Aux in, TAD in, S/PDIF in)
- Special effects can be applied to any audio input including conversion of stereo to quadraphonic or 5.1 output, QXpander, 2D-to-3D remapping 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, 4 speakers or 5.1 speakers
 - QSound Multi Speaker System™ for quadraphonic or 5.1 channel output of stereo music, video and games
 - QSound Environmental Modeling for EAX™ and DirectSound3D™ games
 - QSurround™ virtual 5.1 playback of DVDs using 2 speakers*
- * Requires compatible soft-DVD player

System Requirements:

- One available PCI 2.1-compliant slot
- Genuine Intel, Pentium class 133Mhz or faster processor
- Intel or 100% compatible motherboard chip set
- 16MB system RAM
- CD-ROM for driver installation

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