

### Audigy ADVANCED HD™ – Simply the Best Digital Music Experience

Get the most out of your digital music experience with the groundbreaking audio technology of Sound Blaster® Audigy™ MP3+. Listen to high quality music and MP3 or WMA files with 24-bit multi-channel performance, and 100dB SNR audio resolution. Utilizing 4x the power of the Audigy chip, EAX® ADVANCED HD™ technology delivers dramatically enhanced audio performance with sophisticated technologies like Audio Clean-up, DREAM™ and Time Scaling. The complete functionality of PlayCenter™ 3 allows you to rip, organize, customize, and burn quality MP3 or WMA files, and features a full 320 Kbps encoder for up to 9X MP3 ripping acceleration. Best of all, you have the ability to transfer, share, and back-up your creations with on-board SB1394 connectivity (IEEE® 1394 compliant) to qualified devices like portable digital audio players and external hard drives and high-speed CD-RWs.

For an unsurpassed digital audio experience, get the Sound Blaster Audigy MP3+. It's simply the best digital jukebox solution for the PC!

- Stunning 24-bit multi-channel performance, and 100dB SNR for high-definition digital audio and CD music enjoyment
- Innovative EAX® ADVANCED HD™ technologies deliver high definition digital music playback with features like Audio Clean-Up™, DREAM™, and Time-Scaling
- Fully integrated SB1394 (IEEE® 1394 compliant) ensures optimum performance to share and store massive music content on qualified products like NOMAD® Jukebox, external hard drives, and high speed CD-RWs
- Enhanced PlayCenter™ 3 allows you to rip, organize, customize, and burn quality MP3 or WMA files and features a full 320 kbps encoder for 9X MP3 ripping acceleration

The only  
**24-bit**  
Multi-Channel  
Music Solution



MIDI / Joystick  
Extension Bracket  
Included

### Featured Applications

- Creative PlayCenter™ 3
- Beatnik's Mixman™ Studio Remixer
- MixMeister® Technologies' MixMeister™ 3
- Unibrain S.A.'s FireNet™ 2.0



# Sound Blaster® Audigy™ MP3+

## Technical Specifications

### 32-Bit Professional Quality Effects Engine

- Creative's Audigy™ patented effects processor
- Support for real-time digital effects like reverb, chorus, normalizer, pitch shifter, or distortion across any audio source
- Capable of processing, mixing and positioning audio streams using up to 131 available hardware channels
- Full 32-bit digital mixer maintains all sound mixing in the digital domain, eliminating noise from the signal
- Customizable Plug-In Effects Architecture allows new audio effects to be downloaded from the Web via CreativeWare

### High Definition Audio Quality

- Playback of 64 audio channels, each with its own independent sample rate
- 24-bit Analog-to-Digital conversion of analog inputs at 48kHz sample rate
- 24-bit Digital-to-Analog conversion of digital sources at 48kHz to analog 5.1 speaker output
- 16-bit recording with sampling rates of 8, 11.025, 16, 22.05, 24, 32, 44.1 and 48kHz
- Supports Sony® / Philips® Digital Interface (SPDIF) format input signal of up to 24-bit/96kHz quality
- SPDIF output up to 24-bit resolution at selectable sampling rate of 44.1, 48 or 96kHz
- Low latency multi-track recording with ASIO™ support EAX™, ADVANCED HD™, Advanced Audio and 3D Audio Technology
- Hardware acceleration of EAX ADVANCED HD for games
- User-selectable EAX ADVANCED HD music presets, pre-configurable DSP modes simulating various acoustic environments
- Advanced time-scaling
- Audio Clean-up
- Upgradeable 3D audio architecture for future improvements
- Dolby® Digital audio decoding to 5.1 speaker channels in both analog and digital modes
- Optimized user-selectable settings for headphones, two, four or six speakers and external A/V amplifiers
- Creative Multi Speaker Surround™ (CMSS) technology places any mono or stereo source in a 360° audio space

### SB1394 Connectivity

- High speed connection to IEEE® 1394 enabled devices with up to 400Mbps transfer rate
- Hot-plug support for ease of connecting or disconnecting external devices
- Interconnection of up to 63 devices for peer-to-peer communication
- SB1394 Certification Program thoroughly tests and certifies participating vendors' 1394-enabled devices with Sound Blaster Audigy for optimal performance and ease of use

### Realistic Wave-Table Synthesis

- Creative's Audigy music synthesis engine
- 64-voice hardware polyphony with E-mu® Systems, Inc.'s patented 8-point interpolation technology that reduces distortion to inaudible levels
- Uses SoundFont® technology for user-definable wave-table sample sets
- Unlimited sample size can be loaded into host memory for professional music reproduction (limited to available system memory size)
- Scalable PCI wave-table synthesis architecture with multi-timbre capability
- 48 MIDI channels with 128 GM & GS compatible instruments and 10 drum kits

### MIDI Interface / Joystick Port

- Support for analog and digital or DirectInput™ game devices
- Support for two simultaneous MIDI devices with Sound Blaster Audigy drive (upgrade option)

### Sound Blaster Audigy MP3+ On-Board Connectors

- Analog/Digital Out (Analog Center & Subwoofer / 6-channel SPDIF Output)
- Line in
- Microphone in
- Line level out (Front)/Headphone out
- Line level out (Rear)
- SB1394 port
- Telephone Answering Device in
- Analog CD Audio in
- Digital CD Audio in
- Expansion header to an external 15-pin MIDI/Joystick port
- Internal SB1394 header to Sound Blaster Audigy drive (upgrade option)
- Expansion header to the Sound Blaster Audigy drive (upgrade option)

### Works with the Following Standards

- Windows® 98, 98SE, NT® 4.0, 2000 and Me
- Sound Blaster MIDI and General MIDI
- Plug and Play
- Sound Blaster PCI
- EAX ADVANCED HD
- EAX
- Microsoft® DirectSound®, DirectSound3D & derivatives
- PCI 2.1 compliant
- AC '97 compliant
- Dolby® Digital
- ASIO™

### Sound Blaster Audigy Audio Performance

- Signal-to-Noise Ratio (A-Weighted)  $\geq 100$  dB
- Crosstalk (Left/Right and vice versa)  $\sim -100$  dB
- Total Harmonic Distortion + Noise at 1kHz (A-Weighted) = 0.004 %
- Frequency Response at -3 dB  $\leq <10$  Hz to 22 kHz

Specifications are based on digital-to-analog audio playback

(e.g. CDDA, WAV, MP3, Dolby Digital)



All hardware contents are covered by a limited hardware warranty.

### Technical Support

Automated technical support and information is available at [www.americas.creative.com/support/](http://www.americas.creative.com/support/) 24 hours a day, seven days a week.

### Minimum System Requirements

- Genuine Intel® Pentium® 266MHz, AMD® K6 300MHz or faster processor
- Intel®, AMD or 100% compatible motherboard chipset
- 64MB system RAM (128MB Highly Recommended)
- 600MB of free hard disk space
- Windows® 98, 98 SE, NT® 4.0, 2000, Me, or XP
- Available half-length PCI 2.1 compliant slot for Sound Blaster Audigy™ card
- Available adjacent slot for Joystick/MIDI bracket (optional)
- Headphones or amplified speakers (available separately)
- CD-ROM drive required for software installation

### Additional Requirements

- CPU: Genuine Intel® Pentium® II 350 MHz / MMX or AMD® 450 MHz / 3DNow! for SB1394 applications or Games
- SB1394: Works only on Windows 98 SE, 2000, Me, or XP. IEEE® 1394 cable (available separately). Certain features or functionality such as SB1394 applications are not supported by Windows 98 First Edition. We recommend that you upgrade to Windows 98 Second Edition (SE) or later versions.
- DV Camcorder Editing: 128MB recommended for capture and editing. Ultra DMA hard disk with 1GB workspace (ATA-100, 7,200rpm with 6GB recommended).
- Games: 128MB system memory recommended, a 3D accelerator with at least 8MB of texture RAM, available 300-500MB disk space. Games may not work optimally under Windows 2000. Check out latest driver updates from [www.soundblaster.com](http://www.soundblaster.com).
- DVD: At least a 2nd generation DVD-ROM drive with these recommended soft-DVD players: Intervideo's WinDVD 2000 or CyberLink's PowerDVD 3.0 and above
- Internet Radio: Requires at least a 56Kbps modem and an active Internet connection before running the application.

Setup under Windows 98 SE requires the original Microsoft Windows 98 SE Installation CD. Certain applications do not work with Dual Processor support under Windows NT 4.0 or Windows 2000. Included applications may need higher system requirements or microphone for basic functionality. Refer to individual applications' documentation for details.

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