Sound Blaster® AWE64 Gold

The uncompromised pursuit of perfect fidelity.

Creative Labs' sound breakthrough, the Sound Blaster® AWE64™ Gold, offers phenomenal audio performance in an ISA sound card. Using the latest music synthesis technology, you can now play up to 64 notes simultaneously, creating a new dimension for musical scores and multimedia applications.

Your audio experience will never be the same once you hear the realistic orchestral reproduction using new WaveGuide technology. Imagine instrument sounds that perform and react just like their real world counterparts. This is in addition to the true sounding, hardware wave-table synthesis provided by the EMU8000, the same high quality processor found in professional quality keyboards!

Of course you might want to make some noise of your own. Using the 4MB of onboard memory (expandable to 28MB) you can load new sounds using SoundFonts®. Just record the new samples and then create the instruments. E-mu's 3D Positional Audio™ and digital effects capabilities are also included, adding a new level of depth and realism to your favorite games.

And with the digital output capability of the AWE64 Gold, you can experience exceptionally low noise performance previously available only to professional music studios. It is the best sounding Sound Blaster ever!

We didn't forget about recording, either. Using the 16-bit, CD quality stereo audio capability with full-duplex support in hardware, you can record and playback samples just like the pros. Vienna SF Studio™ lets you take your samples and turn them into real MIDI instruments. CakeWalk® Gold Plus lets you put all of these features to use for superb control in your most demanding compositions.

Included software also lets you get connected to the Internet, surf the Web, make long distance phone calls over the Net, or even listen to live audio broadcasts. Everything is included to add full multimedia streaming capabilities to your PC.

When it's time to get serious, get the sound card that doesn't compromise. Ask for the Sound Blaster AWE64 Gold.

Are you ready for the ultimate experience?

CREATIVE®

WWW.SOUNDBLASTER.COM

SPECIFICATIONS

Advanced Wave-Table Synthesis

- Renowned EMU8000 wave-table synthesizer
- Digital effects engine for reverb and chorus
- Hardware 32-voice polyphony and multi-timbral capability
- 16 MIDI channels for the most demanding musical compositions
- 128 GM and GS compatible instruments
- 10 drum kits

Creative WaveSynth/WG™

- Software-based wave-table synthesizer allows you to add an additional 32 voices to your music compositions
- Sondius® WaveGuide technology provides unparalleled instruments expressivity. Use WaveGuide instruments such as Nylon Guitar, Distorted Guitar and Clarinet in compositions to create acoustically realistic music

SoundFont® and 3D Audio Technology

- SoundFont downloadable samples allow new sounds and musical instruments to be added to the card
- E-mu "3D Positional Audio™ positions sound in a 360° 3D environment providing an immersive audio experience with supported applications
- Creative 3D Stereo Enhancement Technology™ expands the spaciousness of sounds in a traditional two-speaker system

Memory Subsystem

- 4MB onboard RAM supports SoundFont samples and E-mu 3D Positional Audio technology
- Add up to 24MB of RAM with Memory Upgrade Modules

CD-Quality, 16-bit, Stereo Sound

- 8- and 16-bit, mono and stereo recording and playback
- User-selectable sample rates from 5 kHz to 44.1 kHz
- Gives your PC digital audio recording capabilities that rival professional DAT decks

Full Duplex Support

- Supports Internet communications software
- Enables simultaneous record and playback at the same sample rate

Stereo Digital Mixer

- Full software control of mixing sources
- Bass, treble and master volume control

MIDI Interface

- Compatible with Sound Blaster and MPU-401 UART modes
- Doubles as joystick port
- Optional MIDI cable required to connect to a MIDI instrument

20-Bit Sampling Rate Conversion Digital Mixer

- Combines all 64 voices of MIDI and Wave output at 16 bit, 44.1 kHz

Line-In/Line-Out Audio Performance Specifications

- Input   : 2Vrms (maximum)
- Output   : 2Vrms (maximum)
- SNR   : Greater than 85dB
- THD+N   : 0.005%
- Frequency Response: 15Hz - 50kHz (+0/-1dB)

Compatible with the Following Standards

- Windows® NT 4.0
- Windows 95
- Windows 3.1
- Genuine Sound Blaster
- Microsoft® DirectSound®
- DOS 6x or higher
- Plug-and-Play
- MPC3

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INCLUDED SOFTWARE

Creative Video WebPhone Lite

Creative Video WebPhone Lite lets you perform real-time, full-duplex communications across the Web without incurring long-distance phone charges, as well as sending and receiving voice and video. It also features voice mail, caller ID, call hold/mute/redial and other phone functions. Video WebPhone requires a PC camera for video send capability and Windows 95. Software program requires a microphone. Upgradeable to full version.

Creative Inspire™

The Open Stage for Internet Entertainment. Creative Inspire is a multimedia application that offers a unique Internet community for music, game and entertainment enthusiasts. This highly integrated application supports the most popular multimedia and Internet technologies in one easy-to-use software package. Through Inspire's simple radio/VCR-like interface and Program Guide, users are able to listen to music, play games and watch video entertainment programs without the complexities normally associated with Internet multimedia. Users can also actively participate in the Inspire Community by joining the many chat rooms and discussion forums. The more "inspired" participants are offered an open stage opportunity to create, share or perform for other users by creating their own Inspire programs.

Microsoft® Internet Explorer

Surf the Web with this full-featured browser. Fully integrated with RealAudio™ Player support. Collaborate and chat in real-time. Compatible with all major Internet standards and supports current security standards.

RealAudio® Player

Unlock the potential of the Internet with RealAudio Player for 'live' and on-demand audio. Listen to news, entertainment and speeches from around the world. Experience the convenience and user-friendliness of audio streaming technology.

Creative Multimedia Deck

Software sound control rack that looks and operates like your home stereo system. Separate components play MIDI files, wave files and music CDs. Includes a remote control for easy use of all components.

Creative Soundo'le®

Object-linking and embedding software which allows recording and playback of sound files that can be placed in any Windows application which supports OLE.
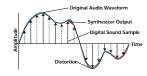
Creative WaveStudio®

Windows-based wave file editing software that supports drag-and-drop capability. Features quick loading screen updates. Allows multiple source recording, mixer control and CD player control. Editing features include cut and paste, echo, fade, amplification, reverse and more.
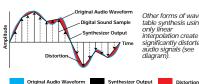
Keytar™

Imagine playing your favorite guitar tunes with virtually no musical knowledge at all! This dream is a reality with Creative Keytar—an intuitive and highly interactive edutainment software for music beginners; with a virtual rhythm guitar console that enables you to pluck and strum any tune via the computer keyboard. You can activate a variety of auto-strumming and plucking preset patterns for easier music making. As for the initiated, you may customize the chord palette settings while enriching the tune with reverb and chorus effects, chord transposition, as well as choosing from a repertoire of guitar types ranging from Nylon to Distortion Guitar.

CakeWalk® Gold

This 256-track MIDI and 4-track digital audio sequencer allows you to play, record, edit and print musical scores on an integrated graphical platform. It is also loaded with features such as the CFX™ audio effects and DirectX™ plug-ins for reverb and chorus that enriches your music creation as well as SoundFont® support for creating unique compositions. Also included are the customizable Virtual Jukebox™ and JAMMER Hit Session™, interactive backup bands that let you improvise on-the-fly. All these are supplemented by a comprehensive step-by-step online tutorial—making music a breeze for music novices and professionals alike.

AWE **64** incorporates E-mu's unique and patented wave-table synthesis technology. Using a patented multi-point interpolation algorithm, audio signals are smoothly reproduced with very little distortion.

Other forms of wave-table synthesis using only linear interpolation create significantly distorted audio signals (see diagram).

- ▬ Original Audio Waveform
- ▬ Synthesizer Output
- ▬ Distortion
- ↑ Digital Sound Sample
- ↕ Interpolated Sound Sample

One-year limited hardware warranty covering parts and labor.

Technical Support

Telephone and facsimile support is available seven days a week, 8:00 am to midnight Central Time. Automated technical support and Bulletin Board service is available 24 hours a day, seven days a week.

System Requirements

Supports 486DX2-66

To run WaveSynth, it requires a PC with a genuine INTEL® Pentium® or AMD-K5™ 133 MHz or higher processor

8 MB system RAM (16 MB recommended)

DOS 6x and Windows 3.1 or higher

Available 16-bit ISA slot

Speakers or headphones

CD-ROM drive is required for software installation

Windows 95 is required for Creative Inspire and video capability of Creative Video WebPhone Lite 3.0

Some software packages included with this product may require a microphone and/or video camera

Voice and video conferencing with Video WebPhone Lite 3.0 requires 28.8 Kbps

Internet software requires connection to the Internet at 14.4 Kbps, unless otherwise noted. All charges incurred to connect with your Internet Service Provider are the responsibility of the end user

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Fax Back Service: 405-372-5227
Information Hotline: 800-998-5227
CompuServe: Go Blaster
BBS: 405-742-6660

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