



SONAR 6
PRODUCER EDITION

cakewalk



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Freedom to Create

SONAR 6 Producer Edition is the definitive choice for audio production, designed to take you from inspiration to masterpiece faster than ever before. At every step of your production—from composing with virtual instruments, to recording, mixing, and beyond—SONAR gives you the professional tools and inspiring canvas that adapt to your unique style of music creation.

Power to Deliver

For over 35 years, Intel® Corporation has developed technology enabling the computer and Internet revolution. With Intel® Core™ Architecture, you'll experience for yourself the world's best processors built for the world's best digital audio workstations. SONAR 6 Producer Edition combined with the power and superior performance of Intel-based workstations gives you the perfect solution for composing, recording, editing, mixing, and remixing your music.

SONAR 6 Producer Edition lets you take full advantage of the power of the latest generation of Intel-based workstations. Record and mix hundreds of audio tracks, incorporate professional effect and instrument plug-ins, and deliver projects with superior sound quality—all without the need for additional DSP hardware. SONAR and Intel bring you the future of audio production, today.



Computer Music
Editor's Choice



Mix Magazine
Certified Hit



Remix Magazine
Editor's Choice



Pro Audio Review
Excellence



MIPA
Best Recording Software
of 2005



Keyboard Magazine
KeyBuy

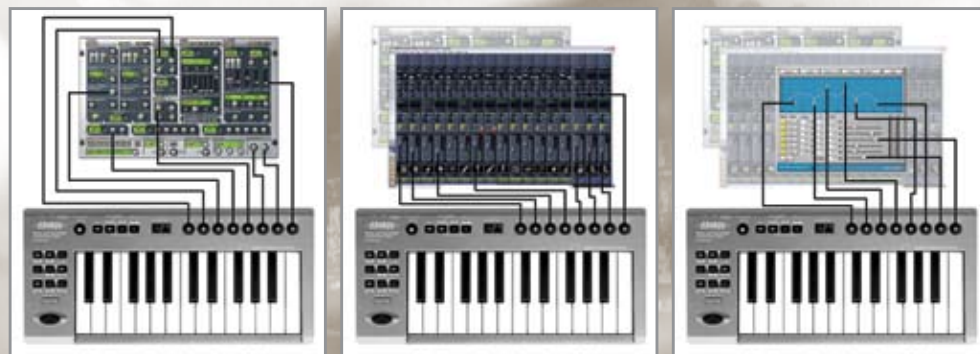
Paul Wertico
7-time Grammy Winner
Solo Artist, Pat Metheny, Larry Coryell



"IN THE ART OF MAKING MUSIC, INSPIRATION IS EVERYTHING. SONAR HAS A USER-FRIENDLY ENVIRONMENT THAT KEEPS ME SO FOCUSED ON CREATING MUSIC THAT I NEVER FEEL LIKE I'M WORKING. AND WITH ITS UNBEATABLE 64-BIT SOUND QUALITY, I KNOW EVERY NUANCE OF MY MUSIC WILL SHINE THROUGH—FROM THE SIZZLE OF MY CYMBALS TO THE OVERTONES OF AN ACOUSTIC GUITAR."

total control

At the core of SONAR's powerful feature set is a central philosophy: give the musician control. SONAR 6 gives you a rich palate of creative tools designed to take your ideas from a musical sketch to a finished, polished production. Whether you're recording your band's album, tweaking software synthesizers, scoring to video, or creating music with loops, SONAR makes your musical dreams a reality with the flexibility to create whenever and wherever the inspiration strikes.



Active Controller Technology™ (ACT)

ACT dynamically re-maps your MIDI controller or control surface to your mix controls, virtual instruments, and effects, giving you total tactile control.



Synth Rack

A control center for all of your instrument plug-ins, allowing you to tweak, automate, freeze, or even link plug-in controls together from one central location.



Session Drummer™ 2

Get major-label drum sounds with customizable kits and patterns played by a professional session drummer. Play individual hits or trigger patterns from your MIDI controller to get just the right feel. Just one of nine amazing instruments in SONAR 6.

"SONAR IS INSTRUMENTAL IN BRINGING MY IDEAS TO LIFE. REGARDLESS OF WHETHER I'M ARRANGING FOR A LIVE EUROPEAN ORCHESTRA, EXPLORING THE OTHERWORLDLY TEXTURES OF VIRTUAL INSTRUMENTS, OR MESHING THESE WORLDS TOGETHER, SONAR 6 AND ITS NEW ACTIVE CONTROLLER TECHNOLOGY IS THE GLUE THAT KEEPS MY MUSIC AND AUDIO WORK COHESIVE AND EASY TO MANAGE."

Justin Lassen
Producer /Composer/Remix Artist
Nine Inch Nails, Madonna, Lenny Kravitz, Muse, Avril Lavigne, Music for Games



The World is Your Studio

Create and record music whenever and wherever you feel inspired. Take your studio with you thanks to Intel's mobile technology.

Intel® Centrino® Duo Mobile Technology

Intel® Centrino® Duo technology with the new Intel® Core™ 2 Duo processor can be found in lighter, easier-to-carry notebook PCs designed for musicians on the move. It delivers the superior performance demanded by sophisticated digital audio workstations like SONAR, so you can make the dream of a mobile studio a reality. With unrivaled industry leading performance, Intel® Centrino® Duo based systems features fully integrated Wi-Fi capability for internet connectivity and collaboration with other musicians, as well as amazing battery life.

Experience the performance of the Intel® Centrino® Duo Mobile technology with new Intel® Core™ 2 Duo processor based Platform:

- Two mobile optimized execution cores based on Intel® Core™ microarchitecture enabling 2X performance improvement for faster execution of processor-intensive tasks or multitasking when compared to single core processor solutions.*
- Intel® 64 for 64-bit multimedia instruction computing.
- Intel® Advanced Digital Media Boost for improved multimedia performance.
- Intel® Graphics Media Accelerator 950 and PCI Express X16 graphics interface offers faster redraws of complex audio waveforms and enables high quality, smooth video playback for scoring your next soundtrack.
- Intel® High Definition Audio provides enhanced quality from onboard audio.





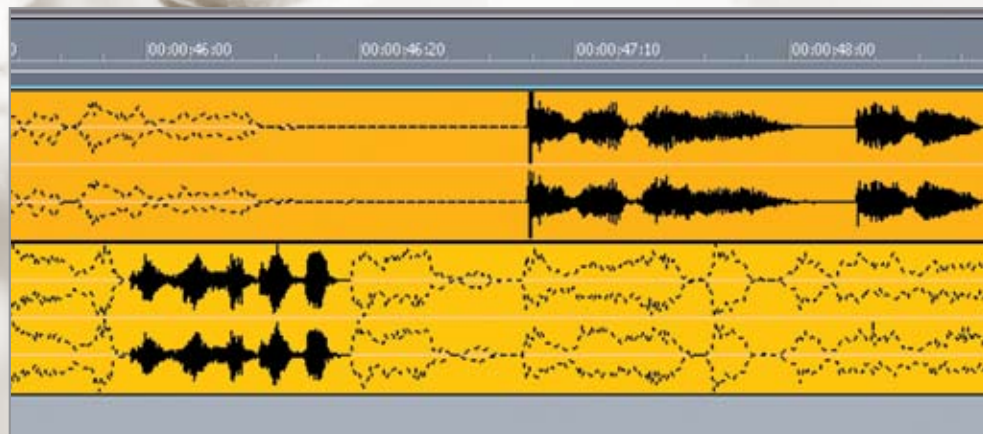
DJ Johnny Juice
Producer/Turntablist

The baNNed, Public Enemy, Rob Swift, Beastie Boys

"WITH SONAR 6 IT'S A SNAP INTEGRATING A LIVE BAND INTO MY SEQUENCED PRODUCTION STYLE. AUDIOSNAP AUDIO QUANTIZING IS PHENOMENAL! I CAN NOW HAVE THE baNNed PLAY BEHIND MY SEQUENCED TRACKS IN PERFECT TIME WITH THE ABILITY TO CHANGE THE 'FEEL' OF OUR PERFORMANCE."

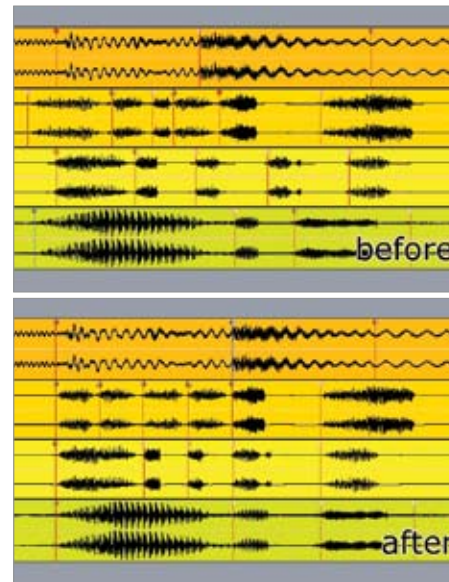
track perfection

Nailing a performance on the first pass doesn't always happen. That's why SONAR offers time saving features for making fast, precise edits and assembling master takes. Apply non-destructive fades to clean up a track. Add effects and automation to individual clips. Group tracks into Track Folders for easy editing. You can even correct the pitch of vocals or the timing of recorded instruments in seconds.



Track Layers

Create the perfect performance by loop recording then comping together multiple takes with crossfading, slip editing, and mute tools.



AudioSnap™

Tighten up rhythms, lock multiple instruments into the same groove, and more. Perform amazing edits non-destructively, and with incredible audio fidelity provided by iZotope Radius™.



Roland® V-Vocal™

A producer's dream for working with singers. Correct the pitch of vocals automatically, or draw in variations in pitch, vibrato, and phrasing.

"WHEN YOU'RE ON THE CLOCK AND WORKING WITH CLIENTS, PERFORMANCE MATTERS. WHAT I LOVE ABOUT SONAR IS THAT NO MATTER WHAT I THROW AT IT, THE ENGINE PLAYS BACK FLAWLESSLY WITH ROCK SOLID STABILITY. I FEEL SAFE MAKING CHANGES ON-THE-FLY, IT HAS THE TOOLS I NEED TO WORK IN ANY GENRE, AND I CAN DO THINGS THAT I CAN'T DO IN ANY OTHER APPLICATION."

Timothy Michael Wynn

Film, TV, Game Composer

Producer Sonic Fuel Music: James Dean Forever Young, The Punisher, Partners, Alien Ant Farm, The Chair, Upcoming PlayStation 3 Games



The Power of Native Processing

With Intel's breakthroughs in processor technology, you can patch multiple effects, perform with multiple virtual instruments, and record on multiple tracks simultaneously—without the need for additional DSP. SONAR 6 can do it all without breaking a sweat.

Floating point performance

Audio mixing and DSP in SONAR is done using both 32-bit and 64-bit floating point arithmetic and is highly optimized for maximum performance and sound quality. With their outstanding floating point performance, Intel processors allow SONAR to mix hundreds or even thousands of audio streams in real-time with no loss of sonic fidelity.

Thrilled by Intel® Advanced Digital Media Boost.

- A feature of the Intel® Core™ 2 Duo processor that enables enhanced performance on multi-media and floating point intensive applications such as digital music.
- 2X Streaming Media (SSE2 & SSE3) Compute Throughput (128 Bits every single clock cycle vs. 64 in previous processors). It provides improved bandwidth, additional instructions, and improved instruction execution per clock cycle.

What does this mean to musicians?

SONAR is optimized for Intel technologies. Intel's Advanced Digital Media Boost takes the multimedia audio performance to the next level by doubling the streaming media computing throughput per clock cycle. In layman's terms this means "more." More tracks, more simultaneous effects, more virtual instruments than previous and competing technologies. You will also experience faster screen redraws of complex waveform activity, and capabilities to work with higher quality digital video.





Terry Howard
 Producer/Engineer
*2005 Grammy Winner for Best Engineered Album,
 Album of the Year, Record of the Year for
 Ray Charles Genius Loves Company*

"I DON'T CARE WHAT ANYONE SAYS ABOUT ONES AND ZEROS. THEY STILL HAVE TO ADD UP TO GREAT SOUND. CAKEWALK DEVELOPERS KNOW HOW TO DO THE MATH AND SONAR 6 SOUNDS GREAT AS A RESULT. WITH THE INCREASED FOOT ROOM OFFERED BY SONAR'S 64-BIT DOUBLE PRECISION ENGINE, THIS IS THE FIRST TIME I'VE EVER BEEN SATISFIED WITH MIXES IN THE BOX."

superior sound

SONAR 6 not only provides the most inspiring creative tools, it also gives you the power to mix and deliver projects with superior sound quality, in stereo or surround, and in a range of industry-standard formats. SONAR's end-to-end, 64-bit double precision floating point mix engine provides dramatic increases in dynamic range and audio fidelity—breaking through plug-in accuracy and summing bus limitations found in conventional recording software. This engine is the heart of a robust mixing environment that features flexible on-the-fly bussing, powerful automation, ultra-high quality POW-r dithering, and an arsenal of 31 professional audio effects.



VC-64 Vintage Channel™
 Features analog sound, powerful dynamics processing, and EQ—powered by Kjaerhus Audio's Advanced Component Level Modeling.



Console View
 Mix with unlimited tracks, busses, sends and effect inserts and take advantage of nearly limitless routing possibilities from SONAR's dynamic Console View.



Perfect Space Convolution Reverb
 Recreate the sounds of real acoustic spaces and sought-after hardware, or create completely unique ambience. Powered by Voxengo convolution technology.

"WHETHER I'M IN MY STUDIO FINE-TUNING THE 'MACHINE' WITH SONAR'S VINTAGE CHANNEL, OR USING THE NEW SYNTH RACK TO CREATE MY NEXT 'MONSTER,' SONAR IS THE COMPLETE TOOL FOR ALL MY CREATIVE NEEDS."



Sharkey
 Producer/Musician
*Monster Maker coming soon,
 Sharkey's Machine in stores now
 Both on Babygrande Records*

Distributed Processing
Why use multiple machines when you can do it all in one?
 SONAR is a multi-threaded DAW that is optimized to take advantage of distributed processing in platforms with multiple and multi-core processors—including the Intel® Core™ 2 Duo processor—SONAR intelligently balances the processing load across all available resources guaranteeing you exceptional performance.

Next Generation Integrated Audio Devices—Intel High Definition Audio

Intel has worked with the industry to develop a new specification for integrated motherboard audio that is capable of delivering the features and high-end performance of an add-in audio card. Intel® High Definition Audio (Intel® HD Audio) is capable of playing back more channels at higher quality than previous integrated audio formats.

Increased audio quality from Motherboard audio:

- 8-channel, 32-bit, 192 kHz audio support
- 95 dB Signal to Noise ratio
- -65 dB Total Harmonic Distortion
- Support for high quality audio formats
- Support for 7.1 surround sound
- Support for digital input and output

Enhanced Usage Models:

- Send different audio streams to different devices in your studio
- Automatic Device Detection: detects the audio jack in use and alerts you for proper configuration



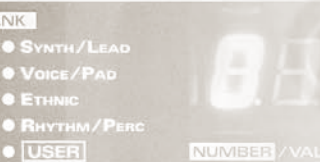


Shawn Clement

Composer for Film, TV, Video Games
Recipient of ASCAP Award for Most Played Underscore
Batman Vengeance, Buffy The Vampire Slayer, Sims 2, The Man Show, World's Wildest Police Videos

"SONAR HAS ALWAYS BEEN THE MOST FEATURE RICH ENVIRONMENT FOR SCORING. AND WITH THE ADVANCES OFFERED BY ITS NATIVE 64-BIT ENVIRONMENT, I HAVE FINALLY BEEN ABLE TO WALK AWAY FROM MY EXTERNAL SAMPLERS AND DO IT ALL IN ONE COMPUTER. IF YOU'RE SERIOUS ABOUT YOUR MUSIC, THERE'S ONE LOGICAL CHOICE AND SONAR IS IT."

the power of 64-bit

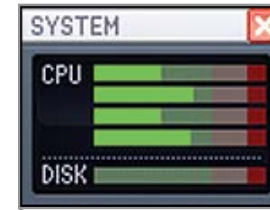


Native Power

SONAR 6 ships with both a 32-bit version and a native 64-bit digital audio workstation for Windows XP Professional x64 Edition. On Intel® 64 and AMD64 based systems running Windows XP x64 Edition, SONAR introduces significant processing performance gains, allowing for more simultaneous tracks, effects, and instruments, and faster rendering and export.

New Worlds for Sample-based Composition

On 64-bit enabled machines running Windows x64 Edition, SONAR achieves ground-breaking advances in RAM allocation with access of up to 128 GB of physical RAM. By comparison, on 32-bit computers, RAM allocation is limited to 2 GB. This advance provides an immediate benefit when working with sample-based virtual instruments, allowing you to use larger, more realistic sample banks for your productions. You will also see advantages when working with audio loops. By loading samples and audio clips into RAM, you will have a more responsive experience by eliminating the latency introduced by disk streaming.



SONAR 6 Transport
with enlarged detail of quad CPU meter

BitBridge™

While SONAR supports the new generation of 64-bit compatible VST 2.4 plug-ins, there are literally hundreds of VST instruments and effects which do not yet natively support 64-bit processing. SONAR's BitBridge technology allows you to use your favorite 32-bit VST plug-ins within a 64-bit environment and ensures the compatibility of even the most obscure, independently developed plug-ins.

The Bottom Line

- SONAR 6 x64 combined with Intel® 64-bit and Intel® Advanced Digital Media Boost platforms deliver an empowering experience offering a deeper sonic palette and more creative potential.
- The higher RAM limits translate into use of larger, more realistic sample banks for virtual instruments.
- The lower latency achieved by loading data and samples into RAM translates into a more responsive playing and mixing experience.
- The processing performance gain translates into more simultaneous effects and virtual instruments.
- Less data streaming from disk translates into projects with higher track count.

"OVER THE PAST 10 YEARS I'VE SPECIALIZED IN THE PRODUCTION OF 5.1 SURROUND PROJECTS. SONAR'S SURROUND FUNCTIONS ARE LOGICAL AND EASY TO CREATE MIXES WITH. I FIND THE SOFTWARE INTUITIVE AND I AM ALWAYS PLEASED WITH ITS HIGH SONIC QUALITY. WHEN YOU ADD IN SONAR'S CAPABILITIES FOR MULTI-CORE AND 64-BIT PROCESSING, THEY ALL COMBINE TOGETHER INTO ONE OF THE MOST POWERFUL PRODUCTION TOOLS IN THE INDUSTRY."



Rory S. Kaplan
Executive Producer/Consultant/A&R/Musician
Sting, The Eagles, Queen, The Police, Sheryl Crow, London Symphony, Diana Krall

REALIZE THE BENEFITS OF 64-BIT COMPUTING TODAY

Intel® 64

With the release of SONAR 5 the first native 64-bit host DAW application, and now SONAR 6, Cakewalk is continuing its leadership role in ushering in the future of audio recording, editing, and mixing on the PC.

As the only truly native 64-bit host DAW application, SONAR is the perfect choice for those cutting-edge producers, engineers, and musicians who want to start realizing the benefits of 64-bit computing today.

64-bit Multi-Core and Dual Processor Intel®-based Workstation Platforms enable outstanding performance for digital audio professionals:

- Support for 64-bit computing allows access to 8 or more GB of RAM.
- Process more of your projects in memory with less data caching to and from your hard drive, enabling faster performance.
- Audio and video processes can perform closer to real-time, critical for the complex audio/video filter algorithms and large data sets demanded by today's professional applications.
- Intel® dual core processors offer up to 4 threads per socket, enabling multi-threaded applications such as SONAR to seamlessly multitask and handle more content creation simultaneously.
- Intel® Advanced Smart Cache offers up to 4MB Shared L2 Cache enabling efficient data sharing for improved performance of multi-tasking and multi-threaded applications.
- High-performance 667 MHz front side bus, fast DDR2 667 MHz memory and enhanced memory pipelining enable more responsive sampler performance.
- PCI Express* x16 graphics offers faster redraws of complex audio waveforms and enables high quality, smooth video playback for scoring your next soundtrack.



Comparing SONAR 6 Studio Edition to SONAR 6 Producer Edition

At last, project studios and musicians on a budget don't have to sacrifice features for affordability, because SONAR 6 Studio Edition is built upon the same core feature set and pristine 64-bit double precision engine as SONAR 6 Producer Edition.

Key Features	SONAR 6 Studio Edition	SONAR 6 Producer Edition
Audio Engine		
Maximum file bit depth	64-bit	64-bit
Audio engine resolution	64-bit floating point	64-bit floating point
Simultaneous audio & MIDI tracks	Unlimited	Unlimited
Multi-processor and dual-core support	•	•
Windows x64 support with BitBridge	•	•
True multichannel surround signal path		•
Surround compressor		•
SurroundBridge: automatically link mono plug-ins for surround buses		•
Dithering	•	POW-r
Processing		
AudioSnap™ audio quantize	SingleTrack	MultiTrack
V-Vocal VariPhrase processor with time, pitch, formant, and dynamics correction		•
Plug-ins		
Audio effects	28	31
VC-64 Vintage Channel™		•
Perfect Space™ Convolution Reverb		•
Lexicon® Pantheon™ Reverb	LE	•
Virtual Instruments	5	9
PSYN™ II Subtractive Synth		•
Pentagon™ I Analog Synth		•
Session Drummer™ 2 Drum Sampler		•
RXP™ REX player/ groove box		•
Manufacturer's Suggested Retail Price	\$/€ 369.00	\$/€ 619.00

For more information on Intel products see www.intel.com. Ask your platform vendor about their Intel technology-based designs for digital audio professionals. Visit www.cakewalk.com/x64 for all the details on running SONAR on x64

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† 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Consult with your system vendor for more information.

*Performance tests and ratings are measured using specific systems and/or components and reflect approximate performance of Intel products as measured by those tests. Any difference in system hardware, software, or configuration may affect actual performance. Buyers should consult other sources of information to evaluate performance of systems or components they are considering purchasing.

*As measured by SPEC_CPU2000 Rate (SPECfp_rate and SPECint_rate) comparing Intel® Pentium® M Processor 780 and 750 with Intel® Core™ 2 Duo Processor T7600 and T5600. Actual performance may vary. See <http://www.intel.com/performance/mobile/benchmarks.htm> for important additional information.

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