



# Product Line

Peak • Deck • SoundSoap Pro • SoundSoap • SuperFreq • BIAS Studio



## Product Line

- Peak
- Deck
- SoundSoap Pro
- SoundSoap 2 <sup>NEW!</sup>
- SuperFreq
- BIAS Studio

# 2004

fall

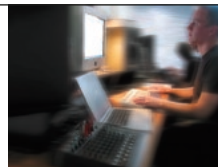
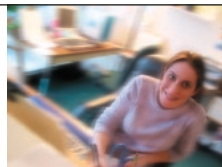
## A Welcome from our Founders

This past year has been a whirlwind of activity for all of us at BIAS. If you're new to BIAS, it's our pleasure to welcome you. If you're a longtime user, it's our privilege to welcome you back, and to thank you. Your comments have contributed to our ever-increasing and ever-improving BIAS family of products — now including options for both Windows and Macintosh users.

Just eight years ago, we founded BIAS with one mission in mind: to help people not just achieve their creative goals, but to exceed them. To start us on this path, we launched Peak. Sure, there were other editing programs on the market, from companies far more established. But with our

mission in mind, Peak was different. Its features were unique. Its user interface was remarkably intuitive. It struck a chord, and before long, we were the proud parents of the world's most popular stereo audio editing, processing, and mastering application for the Mac. And we're proud this year to have brought you Peak 4.1 — the most powerful, feature-rich version to date.

Now, eight years on, we're fortunate to have so many enthusiastic users, and so many tremendously talented employees. We also have a great roster of products — including Peak, Peak LE, Deck, Deck LE, SuperFreq, two BIAS Studio bundles, and the Peak 4.1 Mastering & Resoration Edition bun-



dle. Our two audio restoration products, SoundSoap and SoundSoap Pro, have become even more popular than we had anticipated. Plus, we're thrilled to announce that version 2 of the TEC Award-nominated SoundSoap is now available.

Altogether, this represents a body of work of which we're very proud. On behalf of all of us at BIAS, we thank you for your interest and patronage. But most especially, we thank you for allowing us to continue our mission. The chance to help you exceed your creative goals is our greatest reward.



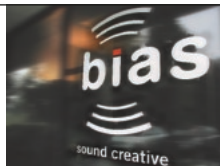
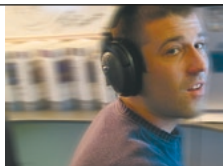
Steve Berkley  
Co-founder & CEO



Christine Anuszkiewicz Berkley  
Co-founder & VP of Marketing

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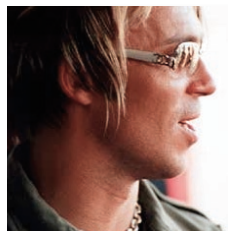
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# Here's what the pros have to say about BIAS software

Every day, thousands of audio professionals rely on BIAS software. Our award-winning products can be heard on countless hit recordings, Hollywood and independent feature films, television productions, websites, video games, and other productions. To us, this means we're doing our job right and continuing our mission of helping people exceed their creative goals. Staying in touch with our customers, listening to their feedback, incorporating their suggestions — these are all an essential part of how we develop our products, and why our users love our software so much.

Recently we caught up with some of our high-profile users to find out how our products keep their creativity flowing and get the job done. We found that for them, BIAS software is an essential part of any project. Here are some excerpts from those testimonials. The complete stories can be found on our website [www.bias-inc.com/artistprofiles](http://www.bias-inc.com/artistprofiles).



## **BT** | *Producer/Composer*

**Collaborations include** Sting • Peter Gabriel • NSYNC  
Sarah McLachlan • Tori Amos • Madonna • Seal • and others

"Working with Peak makes me feel like doing sound design, whereas working in a DAW makes me feel like writing a song. Still, although I primarily use Peak for sound treatment, I will often bring some beats into it and lay some bass and keyboard parts down in there in Peak. Or, I'll pull a loop AIFF file into Peak and then just go absolutely crazy doing wild sound treatments on the groove."



## **George Massenburg** | *Producer/Composer*

**Collaborations include** Linda Ronstadt • Little Feat  
Earth, Wind & Fire • Philip Glass • James Taylor • Lyle Lovett  
Art Garfunkel and others

"BIAS Peak has got a really good EQ... Steve [Berkley, BIAS founder] and his coders do a good job and I love what they do. I'm obviously a fan of their software, and I think their business model is right, as well. The world is going more and more towards the virtual production environment. Having a really professional editor and having it up on a PowerBook that you can fly with anywhere in the world is phenomenally powerful. Peak and BIAS are right in line with the great virtual audio world that we're in."



**Frank Serafine** | *Sound Designer/Composer/Musician*

**Projects include** *Star Trek: The Motion Picture* • *Tron* • *Star Trek III* *Poltergeist II* • *The Hunt For Red October* • and others

"The audio and music restoration business is exploding, and SoundSoap Pro is at the front of the whole thing. Now that the new DVDs can handle 24-bit/192 kHz digital sound to mimic analog quality, everyone including the Beatles are going to start taking their old master tapes and remastering entire catalogs to DVD. So, we'll just take out the hiss and noise with SoundSoap Pro and end up with all that amazing, super-wide analog bandwidth. Until now, I couldn't even begin to think about remastering my analog stuff until SoundSoap Pro. This is the way to do it now; I'm telling you, everyone into audio restoration is going to want to start using this plug-in."



**Brian Emrich** | *Sound Designer/Producer*

**Projects include** *Requiem for a Dream* • *Phone Booth* • *One Hour Photo* • *PI* • *The Matrix Revisited DVD* • and others

"I can honestly say that I have never worked without Peak on any project. Even when I'm working with Pro Tools, I still import and export my new files back and forth between the two programs. I also re-master material through Peak when I burn vinyl and make mixes for my DJ work, I'm constantly editing with Peak in conjunction with Roxio Jam, and I use it to audition any and every bit of audio I need to hear. Peak is the main software tool I use for expressing design and creativity in all my work."



**Morris Hayes** | *Producer/Keyboardist*

**Collaborations include** Prince • The Time • George Clinton Meshell N'degeocello • Larry Graham • Lenny Kravitz Maceo Parker • Chaka Khan • Philip Bailey • Mint Condition • R.L. & T-Low of Next • Najee • Nona Gaye Shanice Wilson

"I've just gotten hip to SoundSoap Pro, and it has just been crazy. I told [ the BIAS folks] at the booth there was no way to fix a very old and badly-recorded dialog recording, like the one I played for them there at the booth. I just told 'em it would be impossible and that I would have bet money against them being able to do it. Sure enough, they did it, and this demo of mine had it all on one tape: Noise, 60-cycle hum, rumble, crack, pop, fizzle, everything. Some of the tape sounded like someone poured a Coke all over the heads! But SoundSoap Pro totally wiped it all out and cleaned it up. It was unbelievable. Those people at BIAS are geniuses for coming up with SoundSoap Pro. Who would've thought of it?"



# Peak™ 4

The quotes in these pages are from just a few of the many leading engineers, producers, musicians and digital video professionals who count on BIAS to help them keep their creativity flowing.

*"Peak is the single most important tool I have for creating, editing and working with sounds and samples. I like to paint with sound, creating a fresh sonic palette for every project — and Peak is like the Photoshop® of audio. It does everything, better than the rest — giving me creative control and saving me time by automating repetitive editing tasks."*

Jeff Rona  
Composer

[ "Mothman Prophecies," "Black Hawk Down,"  
"Traffic," "White Squall,"  
"Homicide: Life On the Streets" ]

*"I have been an avid Peak freak for years. On every session, every demo, and on every tour, Peak is simply the most vital piece of software on my computer."*

Bruce Hendrix  
Keyboard Tech/Sound Editor  
[ Nine Inch Nails, Mary J. Blige,  
matchbox twenty, Aerosmith ]

## • BIAS Peak — the world's most popular stereo audio editing, processing, and mastering application for the Macintosh — is now better than ever.

From serious sound design for film, video, or multi-media, to rapid-fire broadcast editing, to music production limited only by your imagination, Peak 4.1 does it better than anything else. Fully Mac OS X native, Peak 4.1 supports your Mac's built-in audio, as well as a broad range of third-party hardware via Apple's powerful Core Audio standard, with audio performance beyond 24-bit/96kHz. (Translation: it works perfectly with all of the best sound-ing hardware.)

Peak 4.1 sports a new, streamlined, brushed metal user interface, and many other enhancements. There's support for Apple's new Audio Units plug-in format, as well as enhanced VST plug-in management via the included VBox™ SE — the most advanced plug-in matrix control

environment available. Peak 4.1 also includes dozens of free plug-ins including Sqweez™ — our professional compressor/limiter, and BIAS Freq™ — our mastering-quality 4-band paragraphic EQ.

Other new highlights include direct CD burning and advanced new DSP tools, including ImpulseVerb™ \*\* — a stunning algorithm that brings real room ambiance to any audio file. And naturally, Peak 4.1 also includes all of the great features that have made Peak the industry standard.

All that's just the tip of the iceberg. Dig in and hear for yourself why more music and audio professionals depend on BIAS Peak than any other competing product.

also available

- ▶ **Peak LE:** All of Peak's essential tools — at an amazingly affordable price.
- ▶ **Peak DV:** Feature set tailored to working with Digital Video.
- ▶ **Mastering & Restoration Edition:** A complete mastering & restoration suite — right at your fingertips.

Learn more about these other editions of Peak on pages 14 and 15, or at [www.bias-inc.com/peak](http://www.bias-inc.com/peak)



### Peak 4.1 – Selected Features

- Fastest & most intuitive waveform editing available on any platform
- Displays multiple documents simultaneously
- Multi-threaded processing and compatible with multi-processor (MP) Macs
- Unlimited Undo/Redo with independent graphic edit history for each audio document
- Sophisticated playlist featuring advanced crossfades, real-time effects, & Nudge Regions window
- User-definable display size & color
- Record audio directly or import all QuickTime-compatible audio formats
- Supports built-in Mac I/O, plus OS X and Core Audio-compatible audio hardware
- Easily create, edit, read & write region, loop & reference markers
- Automated Redbook (Disk-at-Once / DAO) CD burning direct from the Playlist as well as any audio document window
- Bit depths up to 32-bit
- Sample rates up to 10MHz
- Master Volume Fader
- Audio Units Plug-in support
- VST plug-in support\*
- Over 25 VST audio effects plug-ins bundled free
- Includes new BIAS Sqweez pro-caliber compressor/limiter VST plug-in and BIAS Freq 4-band paragraphic EQ
- Advanced VST audio effects routing matrix via included VBox SE
- Full DSP (Digital Signal Processing) Toolset, including Fade In/Out, Normalize, Gain Envelope, ImpulseVerb\*\*, Reverse, Invert, Harmonic

Rotate, Rappify, ultra-accurate Pow-r™ dithering, Convolve, Reverse Boomerang, Convert sample rate, Mix, Change Pitch, Panner, Amplitude Fit, Find Peak, Bit Usage Graph & more

- Advanced looping tools—including the highly acclaimed Loop Surfer, LoopTuner, Crossfade Loop & Guess Tempo
- Automated Repair Clicks & Remove DC Offset
- ImpulseVerb — instantly applies recorded room ambiance to any audio document (use the included impulse response library, or load your own)

>>>



## Peak 4.1 — Now includes Roxio Jam™ 6 and SFX Machine™ LT

### Ships with more than 25 free VST plug-ins, including:

- BIAS Sqweez pro-quality compressor/limiter
- BIAS Freq 4-band Paragrophic EQ
- Reverb
- Limiter
- Stereo Imager
- Spectral Analyzer
- Auto-Pan
- Degradar
- Detune
- Leslie Simulator
- Overdrive
- Resonant Filter
- DubDelay
- Stereo Simulator
- Sub Bass Synthesizer
- Pitch Tracker
- Vocoder
- and more

### Also bundled free with Peak 4.1:

- Roxio Toast Lite
- BIAS VBox SE [fully integrated multi-effects control environment]
- Roxio Jam™ 6 [100% Redbook CD mastering with full PQ subcode editing & more]
- SFX Machine LT [powerful real-time effects plugin — includes 21 earbending presets]

Open a virtually unlimited number of audio documents — with independent edit histories and waveform display options. Edit windows can be stacked, tiled, and custom-colored.

Personalize Peak to work the way you want, thanks to its customizable, scalable toolbar and user-definable key commands.

Peak's huge on-board DSP arsenal contains great features such as Change Duration, Change Pitch, Harmonic Rotate, Convolv, Repair Clicks, Convert Sample Rate, Fade In/Out, Crossfade Loop, Normalize, Mix, Dither, Reverse, and much more!

Reference and region markers make it easy to locate pops and clicks, or designate important segments of audio, such as discrete CD tracks, or sections for export. Toggle Peak's translucent floating cursor window for detailed location status. Use Loop markers with Peak's highly acclaimed Guess Tempo™ and Loop Surfer™ tools to extract perfect loops instantly and easily.

Import QuickTime movies and digital video (DV) clips into Peak 4.1 for audio sweetening. Peak maintains better-than-frame-accurate sync, letting you play the movie while making audio selections or while scrubbing the audio file.

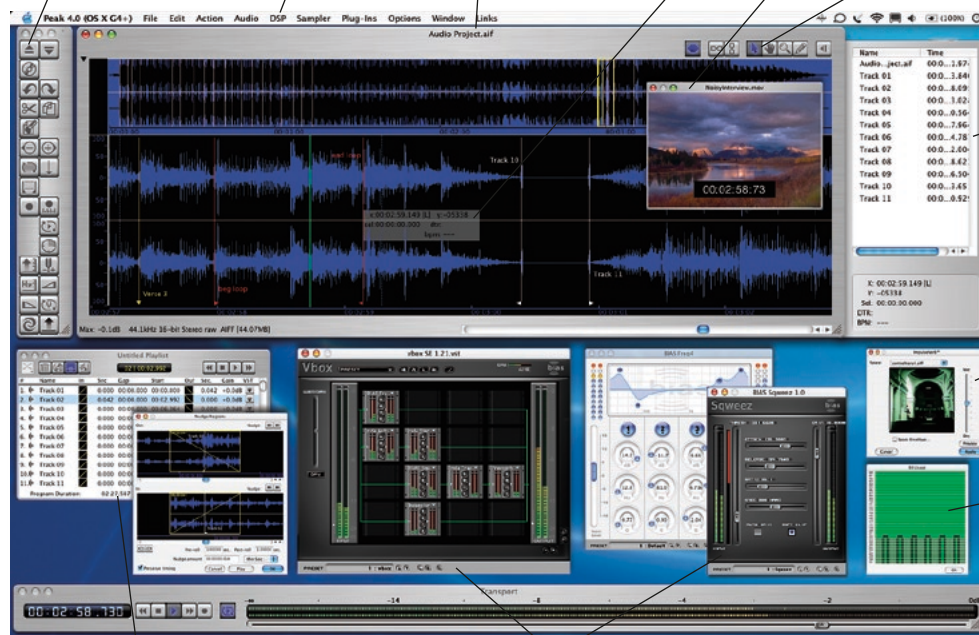
Peak 4.1 includes useful selection tools, including a cursor, hand tool, pencil tool, and magnifying glass. Lock modes make moving multiple markers, loops, or regions fast and easy. Blending on/off mode makes every edit sound seamless, ensuring click-free transitions between cut and paste operations.

The audio document file drawer stores a library of all regions, loops, and markers associated with an audio file. Use it to quickly access regions when building a playlist. Name, edit location points, or cue playback of markers, loops or regions.

ImpulseVerb™, a powerful new sampling reverb algorithm, is a brand-new built-in DSP function in Peak 4.1. Utilizing an included library of impulse responses, ImpulseVerb can apply the room ambience of a multitude of spaces to your audio. You can even create and import your own impulse responses for use within ImpulseVerb. Want your piano to sound like its being played in Carnegie Hall? Just use ImpulseVerb.

The Bit Usage window displays all the bits currently in use within your audio file, providing a quick and easy way to determine true bit-depth resolution, as well as any bit-quantization or saturation.

The resizable transport window offers conventional playback controls, as well as a location counter, master volume fader, and super-responsive, high-precision meters.



Peak's playlist allows you to pull together regions from multiple audio documents — and then apply crossfades, plug-ins, gain changes, nudge regions, set gap times, apply real-time effects, burn Redbook audio CDs, or bounce as a new audio document in a variety of formats (including a Roxio Jam Image).

Peak 4.1 supports both VST™ and Audio Unit™ plug-ins. VST and Audio Unit plug-ins can be mixed and matched using the 5 available plug-in inserts. VST plug-ins can be chained in series, parallel or both using the included VBox SE plug-in matrix. Peak 4.1 also includes Sqweez™, a pro-caliber compressor/limiter VST plug-in, and Freq™, a high-end mastering-quality 4-band paragrophic EQ VST plug-in. More than 25 additional free VST plug-in effects are also included.

- Supports all SMDI hardware samplers
- Reads/writes multiple file formats — even MP3 and AAC (MP4)
- Full-featured batch processing options — including Export Regions & much more
- Change Duration DSP function allows high-quality time compression/expansion without affecting pitch
- Recording notepad & timer
- Threshold function automatically divides files into discrete regions based on amplitude

- Trigger playback & cueing of up to 10 audio documents using Mac keyboard
- Dynamically resizable and customizable toolbar & keyboard shortcuts
- Advanced QuickTime movie & DV (digital video) clip support features better-than-frame accurate synchronization of audio & movie playback, even during selection & scrubbing

\* VST plug-ins must be OS X-compatible to run in Peak 4.1

\*\*ImpulseVerb requires a G4 processor or faster.

### System Requirements

- G3, G4 or G5 desktop Apple Macintosh, iBook or PowerBook (>300MHz processor recommended)
- Macintosh OS 10.2 minimum (includes Peak 3 for OS 8.6-9.x)
- 256 MB RAM (512 MB recommended)

- 80 MB available disk space
- QuickTime 5.0 or later
- Support for third-party audio hardware may require compatible Core Audio drivers

For most up-to-date info, see [www.bias-inc.com/peak](http://www.bias-inc.com/peak)

# Deck™ 3.5

*"BIAS products are essential tools in my arsenal. Give me my PowerBook, BIAS software, and a long plane flight — and I am one happy guy."*

BT

Producer/Composer/Artist  
[ N Sync, Madonna, Britney Spears,  
Seal, Tori Amos; "Zoolander,"  
"Go," "The Fast & The Furious" ]

*"I'm not much interested in what's been done before, especially when it comes to my own work. I need to keep uncovering new ground — and I love how BIAS products help me do that so intuitively, with critical speed and stability. Like my guitar, they feel like they were built just for me, letting me create a vocabulary for the language of my music."*

David Torn [ aka splattercell ]

Guitarist/Texturalist/Producer  
[ David Bowie, Ryuichi Sakamoto, David Sylvian;  
"Traffic," "A Knight's Tale," "Three Kings" ]

- **Looking for a high-performance multitrack digital audio workstation?** Nothing else touches Deck's combination of features, speed, compatibility and value. And now, new enhancements — including support for Mac OS X and OMF file importing — make Deck 3.5 an even more compelling choice.

Deck has a huge feature set, with virtually everything you'd expect in a pro DAW, at just a fraction of the cost. For less than you might spend on just one competing system, you could equip an entire team with Deck workstations — including hardware and computers (desktop or PowerBooks) — without sacrificing quality or capabilities.

No wonder so many audio post-production, video editing, and DVD authoring studios — plus radio stations, music studios, and sound designers — are turning to Deck.

Deck 3.5 is particularly strong for film, video, and rich media, including audio for the Web and DVD — making it a great complement to Final Cut Pro, DVD Studio Pro, iDVD, Avid, Premiere (for Mac), and other video editing or DVD authoring systems.

Deck 3.5 imports, exports, and accurately syncs to QuickTime movies. Scrubbing and spotting audio events is astoundingly easy and fast. Unlike certain budget versions of other audio tools, you get true timecode synchronization plus a SMPTE/EBU timescale display. Deck 3.5 is also fully surround-sound capable, with built-in 5.1 panning. And with OMF file importing, Deck integrates perfectly into any professional production environment.

also available

- ▶ **Deck LE:** Entry-level audio workstation optimized for personal studio recording — great features, great price.

Learn more about Deck LE at [www.bias-inc.com/deck](http://www.bias-inc.com/deck)



## Deck 3.5 – Selected Features

- Record, mix, play back & process up to 64 simultaneous tracks
- Up to 999 virtual tracks
- High-performance, realtime mixing console, with dedicated faders, pans & other controls
- Automated level mixing with high-resolution moving faders
- "Rubberband-style" breakpoint automation
- Mixer States "snapshot-style" scene automation
- Clip-based automation: Copy, Paste, Drag & Drop automation envelopes follow moved audio regions
- 5.1-channel surround mixing, with fully automated, track-by-track, multi-algorithmic 360° panning to Left, Center, Right, Surround (R) & Surround (L), plus LFE (subwoofer)
- Surround mixing pan algorithms include Radius 5.1, Variable-Width 5.1 & Room Ambiance 5.1
- Advanced realtime signal processing with VST plug-in support — up to four plug-ins per track\*
- Over 25 VST effect plug-ins bundled free, including BIAS Freq 4-band parabolic EQ & BIAS Vbox SE multi-effects control environment
- Built-in realtime DSP effects including Chorus, EQ, Delay & Multitap
- SMPTE/EBU timecode-fluent for editing, spotting & external chase-lock synchronization\*\*
- Slaves with subframe accuracy to external video tape recorders & other transports — ideal for playback & other assembly\*\*
- Import QuickTime movies & synchronize audio-to-picture with better-than-frame accuracy
- Scrub QuickTime movie with full audio chase
- Lightning-fast spotting of audio clips to picture
- ADR (automated dialogue replacement) capable
- Monitor previously recorded tracks while recording new tracks (optionally in sync to a QuickTime movie)
- Discontiguous clip selection
- Clip nudging & trimming — with better-than-subframe accuracy
- External MIDI sequencer sync\*\*
- Non-destructive punch-in/out
- Master fader with stereo effects inserts
- Import OMF audio files from non-linear video editors including Final Cut Pro and Avid, plus import OMF audio sessions from other DAWs such as Pro Tools, Digital Performer & Nuendo
- Use built-in Macintosh audio inputs/outputs or use compatible third-party audio interface

For complete information about the latest versions of Deck, see [www.bias-inc.com/deck](http://www.bias-inc.com/deck)



## Deck 3.5: Includes OS X and OMF support — exceptional performance & value in a professional multitrack digital audio workstation

### *Ships with more than 25 free VST plug-ins, including:*

- BIAS Freq 4-band Paragraphic EQ
- Reverb
- Auto-Pan
- Spectral Analyzer
- Limiter
- Detune
- DubDelay
- plus over 20 other great plug-ins (see Peak, page 5, for a more detailed list)

### *Also bundled free with Deck 3.5:*

- BIAS Peak LE
- Roxio Toast Lite
- BIAS VBox SE [fully integrated multieffects control environment]

In addition to moving fader and mixer states automation, Deck has "rubberband-style" breakpoint automation. Even better, it's clip-based — so your automation levels follow any clips that you might choose to move.

Controls allow you to zoom in or out, and adjust track height (with zoom memories). Location displays show current location, plus start, end, and duration of selections.

The tracks window is used for arranging and editing audio clips and crossfades, using up to 64 simultaneous tracks for recording and playback (or up to 999 virtual tracks). You can also individually mute, solo, name, and arm-for-record each track within this window, without having to use the mixer.

Import QuickTime movies and DV clips, then sync them to your session with better-than-frame accuracy. You can scrub frame-by-frame through a movie with full audio chase. Alternately, once you select an audio region, you can easily spot it to picture by scrubbing the movie, releasing the mouse button, and you're done.

Deck 3.5 has auto-looping (not shown). Need to repeatedly paste a drum loop, room tone, or some other portion of audio? Don't bother pasting over and over — with Deck 3.5 you simply define how many times you'd like to drop the loop into a track and Deck takes care of the rest, automatically.

Deck 3.5 supports discontinuous clip selection — a real time-saving feature that lets you select individual regions in different tracks as a group.

In 5.1 surround mode, the master outputs window features a smooth master fader for all of the six surround outputs (including the subwoofer/LFE channel), plus individual meters. In stereo mode (not shown), the master output offers a master stereo fader and precision metering. It also features eight mono (four left and four right) effects inserts, plus four stereo effects inserts — ideal for applying EQ, compression, limiting, or other processing to an entire mix.

With Deck 3.5, you can work in stereo or 5.1 surround (shown). Stereo mode features familiar left/right pan controls on each channel and a stereo master output. In 5.1 surround mode, each channel displays its respective 360° panning across the center, left, right, and two surround channels, and is quickly set using a master "virtual joystick" surround panner. You can also set the subwoofer (LFE) level and choose between three panning algorithms, with optional width and room ambience enhancements.

The CPU meter lets you keep track of all your system's resources, including CPU, disk, and RAM usage and availability.

The realtime mixer offers a fast and intuitive control surface, with individual channel faders, pans, mute, solo and record controls — plus user-definable input/output assignments and renamable track labels. You can expand or contract the mixer window to view as few or as many tracks as you like. Deck 3.5's mixer also gives you advanced moving fader automation — to store and recall all your moves with ultra-smooth precision. As with high-end mixing consoles, you can update or overwrite automation on the fly, just by grabbing a fader (using your mouse or external control surface).

The transport window features location times plus tape deck-style playback, stop, rewind, fast forward, and record buttons. A unique pitch control and scrub control sliders — as well as automated punch in/punch out, and looping controls — further your playback and recording options.

In addition to moving fader and breakpoint automation, Deck 3.5 offers "snapshot" Mixer State automation — for instant scene recall.

Each channel supports four simultaneous VST effects — or a nearly unlimited number of effects using VBox SE (included). Freq. BIAS' mastering-quality 4-band paragraphic EQ, is also included.

- Supports compatible CoreAudio (OS X) & ASIO (OS 9) audio hardware/drivers
- Supports multiple sample rates up to 48kHz and files up to 16-bit\*\*\*
- Supports external control surfaces with full MIDI map support
- Supports AIFF, SDII, .WAV, .SND & QuickTime file formats
- Export stereo session as QuickTime movie with multiple format options
- Includes Peak 4.1 LE at no extra charge — for advanced sample editing, mastering & CD burning
- Waveform editor (such as Peak LE) can be launched from session

\* Note: Only Carbonized VST plug-ins can be used in Deck 3.5 under OS X. Non-Carbonized VST plug-ins can be used with Deck 3.5 under OS 8.6 - 9.x.  
\*\* External MIDI Time Code Sync currently only supported in Deck 3.5 under OS 8.6 - 9.x. Contact BIAS for latest compatibility information.  
\*\*\*16-bit/48kHz may require compatible audio hardware under OS 9.

### System Requirements

- G3, G4 or G5 desktop Apple Macintosh or PowerBook (>266MHz processor recommended)
- Macintosh OS 8.6 minimum
- 128MB RAM minimum
- 20MB available disk space
- 18 ms hard drive (average seek time) or faster
- QuickTime 3.0 or later
- CarbonLib 1.4 or later (Mac OS 8.6 to 9.x only)
- Built-in 16-bit Macintosh sound, or CoreAudio (OS X) hardware, or supported ASIO (OS 9) hardware / drivers

For most up-to-date info, see [www.bias-inc.com/deck](http://www.bias-inc.com/deck)

# SoundSoap™ 2

*"Bad audio devalues even the best video, and SoundSoap can fix most common problems with a minimum of time and fuss. SoundSoap is not only an inexpensive solution, but it is fast and easy enough to use that I process virtually all of my audio through it, resulting in a more polished and professional end product."*

Jim Perry  
SoundSoap review for  
LA Final Cut Pro User's Group

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*"SoundSoap is drop dead simple to use, extremely effective on broadband noise, inexpensive, and provides real time monitoring. For a huge part of the recording world, that's all anyone really needs."*

Craig Anderton  
review for EQ, June 2003

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*"There's no question that SoundSoap ably and easily removes noise from just about any audio file you throw at it — and if that's all you have to do, then this is the tool you need."*

Christopher Breen  
review for Macworld, August 2003

- Whether you're shooting videos, restoring vinyl LPs, building websites, creating presentations, or making music, you know how unwanted noise problems can ruin even the best work.

Some are obvious: Buzz from an amp. Hum from a bad cable. Pops and crackles from old records. Air conditioning noise. Analog tape hiss. But then there's subtle noise, from microphones, preamps, mixing consoles, outboard gear, video cameras, and more. Even from top-end gear, these noise problems take an inevitable toll on the sonic quality of your work.

Now, there's an easy-to-use tool that will make your work sound better than ever. BIAS SoundSoap scrubs audio squeaky clean — dramatically reducing tape hiss, clicks and crackles, buzzing and hum, rumble, and most other types of unwanted noise.

SoundSoap is amazingly versatile: Use it as an Audio

Unit, DirectX, RTAS, or VST plug-in — or as a standalone application with almost any digital audio or video file.\* And best of all, working with SoundSoap couldn't be simpler: Click its one-step "Learn Noise" button, then watch the noise disappear in the Wash Window. Or grab its intuitive controls and make your own adjustments. Any way you choose to use it, SoundSoap's advanced DSP capabilities give you crisp, pro-quality results in just seconds.

So when your sound could use some serious sanitizing, or even just a little freshening up, count on SoundSoap. Nothing does the job faster, easier, or more affordably.

\* Please contact BIAS customer service for a current list of compatible host programs.

also available

- **SoundSoapPro:** Professionals demand more control when restoring audio. That's why we created SoundSoap Pro. Powerful, advanced restoration technology with access to all the controls for getting just the right results.

Learn more about SoundSoap Pro at  
[www.bias-inc.com/soundssoap](http://www.bias-inc.com/soundssoap)



## SoundSoap 2 – Selected Features

- Reduces clicks & crackles, hiss, hum & buzzing, rumble & most other noise — without harming the audio you wish to preserve
- The ideal audio companion for almost any MiniDV, Digital8, or other digital camcorder; video editing software; audio CD burning software; digital audio workstation; audio enabled website; presentation software; or other multimedia application
- Use SoundSoap as a standalone application. Or run it as a fully integrated plug-in with any compatible Audio Units, DirectX, RTAS or VST host program — contact BIAS for latest host compatibility information
- SoundSoap's easy & intuitive workspace makes cleaning audio a snap — while its unique Wash Window shows how well it works
- Use SoundSoap's one-step Learn Noise button to automatically reduce noise — or use its manual controls for more advanced applications
- Includes Enhance slider for additional tone control
- Standalone version works with any QuickTime or Windows Media compatible audio or video file (AVI, DV, WAV, SDII, AIFF, MP3, MP4 (AAC) & many more)
- Preserve Voice button helps reduce noise (and other audio) outside of the range of the human voice
- Hum removal optimized for 60 Hertz (North America, etc.) or 50 Hertz (Europe, Australia, etc.)
- Noise Only mode lets you listen only to the noise being removed — & is ideal for fine-tuning SoundSoap's controls

For complete information about the latest version of SoundSoap, see [www.bias-inc.com/soundssoap](http://www.bias-inc.com/soundssoap)

## SoundSoap 2: The one-click noise reduction solution for Windows or Mac OS X — there's simply no easier way to sanitize your signal



before SoundSoap

SoundSoap intelligently analyzes the noise portion of almost any signal, then applies advanced DSP algorithms to reduce the noise — while leaving the signal intact. These screenshots from Peak show an example of an interview recorded initially on a small handheld analog tape recorder. As you can see (above), there's so much noise that the actual signal is almost impossible to discern. After using SoundSoap (below), you can see how virtually all the noise has been removed — and the original signal is dramatically restored.



after SoundSoap

Buff out those scratches, and restore your Vinyl LP collection quickly and easily. With a single slider, SoundSoap removes pops, clicks and crackles without affecting the audio you want to keep!

The Noise Tuner control helps you "tune in" the hiss and other background noise you want to remove. The Learn Noise button will automatically set this control for you — or if you like, you can grab it and adjust it manually.

Just how much cleaning is taking place? SoundSoap's unique Wash Window lets you listen — and watch — while it goes to work. The left side of the SoundSoap Display shows the unprocessed signal, while the right side shows it after it's been cleaned by SoundSoap. (blue = desired audio signal; red = noise.)

Noise reduction can be adjusted manually with the Noise Reduction knob (or automatically by clicking the Learn Noise button). A low setting is good for subtle noise; for bigger problems, just crank it up and listen to the noise evaporate.



After you've cleaned your audio, leave a super fine polish with SoundSoap's unique Enhance Slider. This intelligent dynamic control brings back any missing frequencies, and leaves your finished audio sparkling.

SoundSoap removes hum (typically introduced by electrical interference from fluorescent lights or inferior wiring) with just one click. Choose 60 Hertz (for North America and most other regions with ~120 VAC electricity) or 50 Hertz (for most regions with ~220 VAC electricity).

With one button, SoundSoap virtually eliminates low frequency noise, or "rumble" including turntable motor noise, an idling truck, or any similar such noise below 40 Hertz.

Give your audio a pre-wash soak. Just click Preserve Voice, and SoundSoap instantly scrubs away noise (and other sounds) outside the range of the human voice.

Choose whether SoundSoap's processing is on or off, or listen to just the offending noise (Noise Only); a very useful mode for Manually adjusting the controls — while preserving the desired sound.

Just click Learn Noise and in seconds, SoundSoap automatically profiles any broadband noise in your signal and adjusts the Noise Tuner and Noise Reduction knobs to their ideal settings.



In standalone mode, SoundSoap operates as its own application — and will process the sound of almost any digital video or audio file — including QuickTime, Windows Media, DV (camcorder format), .AVI, .WAV, .AIFF, even MP3, MP4 (AAC) and more.

### System Requirements

#### Macintosh

- G4 or G5 Apple Macintosh desktop, PowerBook, or iBook (≥400MHz processor recommended)
- Macintosh OS 10.2 minimum

#### Windows

- Pentium III or Pentium IV desktop or laptop (≥600MHz processor recommended)
- Windows XP Home or Professional
- Windows Media 9 (included)

#### Both

- 128MB RAM minimum
- 20MB available disk space
- Plug-in mode requires compatible Audio Units, DirectX, RTAS or VST host application (contact BIAS for compatibility information)
- Standalone mode requires QuickTime 6.5 (included)

For most up-to-date info, see [www.bias-inc.com/soundsoap](http://www.bias-inc.com/soundsoap)

#### Note

SoundSoap's single-platform software license entitles the user to run this software on either a Windows or Macintosh platform but not both.

# SoundSoap Pro™

*"BIAS gives me what I need – to do what I do. Anything I can hear in my head, BIAS software lets me turn into reality. Simple as that."*

Morris Hayes

Programmer/Keyboardist/Producer  
[ Prince & The New Power Generation;  
Prince's New Power sampling library ]

*"There isn't a project I've worked on lately that hasn't been touched by BIAS software. For recordings, film, live performance, or broadcast, it's my platform of choice for audio creativity."*

Larry Fast [ Synergy Electronic Music ]

Composer/Producer/Performer  
[ XM Satellite Radio, Tony Levin Band,  
Tokyo DisneySea Park, Peter Gabriel ]

*"I buy and try everything in search of the best. When I was looking for ways to use percussion and other sounds to make rad loops and combinations for Guns N' Roses, BIAS gave me the perfect solutions."*

Brain

Drummer/Percussionist  
[ Guns N' Roses, Primus, MIRV,  
Praxis, Tom Waits, Jon Hassell ]

- **Crackle... hiss... rumble... click... pop... hum... When it** comes to audio, it can be a filthy mess out there. Fortunately, the fastest, best-sounding, one-stop audio cleaning solution is now at hand: SoundSoap Pro.

Designed from the ground up for power and efficiency, SoundSoap Pro offers unparalleled noise reduction and audio restoration — with a minimum of tweaking, and greatly reduced chances of undesirable sonic artifacts. That's because SoundSoap Pro takes an innovative approach to the classic problem of restoring audio content.

Competing high-end solutions may do a decent job, but are typically complex, costly, and cumbersome — in some cases forcing you to tweak hundreds of controls before you can get close to your desired results. Based upon newly developed algorithms that are dramatically more "intelligent" and efficient, SoundSoap Pro delivers truly amazing results — faster, more easily, and at a fraction of

the cost. Furthermore, its advanced technology means that your final product is far less prone to inadvertent "chirping", "muffling", "flanging", and other artifacts — while preserving your desired content.

SoundSoap Pro's comprehensive approach combines, all in a single plug-in, three reduction and restoration tools — Broadband, Click & Crackle, and Hum & Rumble — plus a sophisticated Noise Gate with visual waveform feedback, for that final polish. A unique, fully integrated interface means you're only one click away from a complete arsenal of tools.

Whether you're archiving from vinyl, transferring studio and live analog recordings, performing forensic audio analysis, or battling a noisy recording environment, SoundSoap Pro scrubs away problems — leaving nothing behind but sparkling clean results.



For complete information about SoundSoap Pro, see [www.bias-inc.com/soundsoappro](http://www.bias-inc.com/soundsoappro)

## Selected Features

- Compatible with most plug-in hosts from Adobe, BIAS, Cakewalk, Digidesign, Emagic, MOTU, Sonic Foundry, Steinberg and others
- Supports VST, RTAS, AudioSuite, DirectX & Audio Units plug-in formats
- Mac OS X & Windows XP compatible
- Unsurpassed combination of performance, speed, & control — all with minimal unwanted sonic artifacts
- Integrated approach offers four noise reduction & audio restoration tools in a single plug-in; interface suggests order of operations to achieve optimal results
- Total store/recall of all parameters
- ABCD Compare function offers instant comparison of up to four different settings
- Hum & Rumble tool effectively eliminates buzzing & hum from RFI, EMI & other sources; 20 – 500 Hz w/Q (Hum & Rumble), and up to 10 harmonics (Hum); also reduces low-frequency & subsonic rumble
- Click & Crackle tool is ideal for digital transfers of vinyl records; also a great problem solver for pops & other brief, transient problems
- Broadband provides deep, sonically transparent elimination or suppression of tape hiss, tire noise, wind, HVAC noise, fluorescent lighting noise & other continuous broadband problems; operates across 512 distinct audio bands (controlled by 12 Threshold & reduction sliders with grouping capability); also features attack, release, & tilt knobs for greater control
- Noise Gate effectively silences noise that falls between desired program material; also useful for creating a variety of extreme special effects
- Real-time spectrogram provides constant, global visual monitoring of spectral noise; color coding lets users discern problem areas & make required adjustments, while listening to & watching the immediate results
- "Noise Only" button allows the user to hear, on a global level, only what is being removed
- Bypass function bypasses processing either globally or for each tool
- Thumbnail view shows each tool's parameters with a minimum of screen real estate



# SoundSoap Pro: The most powerful collection of audio restoration tools available, all at your finger tips in a single universal, plug-in

software features



## ← Hum & Rumble

Even the faintest hum or rumble can ruin an otherwise perfect instrumental solo or irreplaceable dialogue performance. Need to remove 60Hz hum, 50Hz hum, anything in between, or anything a lot lower? This tool gives you complete control over Q (filter width), Depth, Frequency, and up to 10 Harmonics. And in case you don't trust your ears, we've included a handy Hum meter as your guide.

## → Click & Crackle

Ideal for serious vinyl noise, static-induced pops, cable connection crackles, or practically any brief and annoying transient, SoundSoap Pro's Click & Crackle tool delivers. A streamlined set of controls — Click Threshold & Crackle Threshold provide instant, effective relief, while you monitor your work visually (via the spectrogram) and audibly (using the ABCD Compare and Noise Only options).



## ← Noise Gate

As SoundSoap Pro's last restoration stage, this fully integrated Noise Gate puts a final polish on your project. Threshold, Attack, and Release controls — accompanied by an impressively useful waveform display — let you easily eliminate whatever noise may still be present between the desired content. The display can even be frozen in time — so you can continue making adjustments at a desired location without stopping audio playback.



With SoundSoap Pro's fully integrated toolset, not only can you save and load a virtually unlimited number of individual settings as presets, you can also store and recall any individual tool or combination of tool settings.

Life is full of options, and your audio restoration software should be too: Rather than limiting you to a conventional A/B comparison, SoundSoap Pro's ABCD Compare feature lets you instantly compare up to four unique settings and tool combinations. A true asset when fine tuning your results.

Noise Only lets you hear the inner workings of SoundSoap Pro. Selecting this button monitors only the signals that are being removed from the program material. It's a great way to set an optimal level of noise reduction, while ensuring you're not inadvertently removing too much of the desired signal.

Each of SoundSoap Pro's tools features a highly informative spectrogram display. Your unrestored signal (the input to the plug-in) is represented in white; the restored signal is in red; the unwanted noise being removed is represented in green. You get instant, accurate, real-time feedback, with each passing moment of program material, and with each parameter you adjust. You'll find it's an incredible time saver — especially at the end of a long session, when you're not quite trusting your ears as much as you did hours earlier.

Customize the controls you view using this slider. To the left, you're viewing the Threshold controls only; to the right, the Reduction controls; in the center, you're seeing both simultaneously (as shown here).

This Broadband Noise reduction tool is at once amazingly simple and powerful. Use the Learn Noise button to set the degree of reduction automatically — or fine-tune it yourself using the 12 Threshold (blue) and Reduction (yellow) sliders. Attack and release controls (plus tilt functions), further enhance the power at your command.

SoundSoap Pro offers all the tools you need for audio restoration in a simple, ergonomic interface. Each tool palette has a thumbnail view, which displays information on that tool's particular settings. Thumbnails provide a quick and easy way to move between tools, or to hear the results with any tool or combination of tools in bypass mode.



SoundSoap Pro is smarter than your average plug-in, whether you're looking for fully automated results, or want to tweak intensively but need a good place to start. Just click the Learn Noise button, and SoundSoap Pro's advanced DSP features instantly determine the most ideal position for each Threshold and Reduction slider. From there, you can adjust any of the broadband controls to fine tune the results — though you might be very surprised to just how intelligently SoundSoap Pro does it on its own.

No need to fuss and tweak every slider to find the right settings. The slider lock provides an easy and efficient way to group broadband sliders. Find just the right balance by grouping discontinuous sliders, or all 12 together.

## System Requirements

### Macintosh

- G4 or G5 desktop Apple Macintosh or PowerBook (>500MHz processor recommended)
- Macintosh OS 10.2 minimum
- Compatible RTAS, AudioSuite, AU or VST host application

### Windows

- Pentium III or Pentium IV desktop or laptop (>800mhz processor recommended)

- Windows XP Home or Professional
- Compatible RTAS, AudioSuite, DirectX or VST host application

### Both

- 128 MB RAM minimum
- 20 MB available disk space
- Available USB port for included USB key

For most up-to-date info, see [www.bias-inc.com/soundsaopro](http://www.bias-inc.com/soundsaopro)

### SoundSoap Pro

Advanced Broadband Noise Reduction	Yes (512 bands; 12 T/R sliders)
Basic Broadband Noise Reduction	—
Automated Attack/Release Settings	—
Variable Attack/Release Settings	Yes
Advanced Hum & Rumble Removal	Yes
Basic Hum & Rumble Removal	—
Advanced Click & Crackle Removal	Yes
Basic Click & Crackle Removal	—
Advanced Noise Gate	Yes
Standalone Operation	—
Plug-In Host Formats Supported	VST, RTAS, AU, DirectX
Basic visual display of noise	—
Advanced visual display of noise	Yes (Professional Spectrogram)
Platforms	Mac OS X, Windows XP

### SoundSoap

—
Yes (512 bands; 2 T/R knobs)
Yes
—
—
Yes
—
Yes
—
Yes
VST, DirectX
Yes ("Wash Window")
—
Mac OS X, Windows XP

# Lite Editions

- *Powerful audio tools at an affordable price*

## Peak 4 LE

*Fast, easy, powerful audio editing, processing, and CD burning — at an amazingly affordable price.*



**D**o you buy CD's or listen to the radio? Go to the movies or play video games? How about surf the Web?

When it comes to serious audio for the Mac, more Hollywood sound designers, music and radio producers, video editors, and other professionals depend on Peak than any other stereo editing application. And now, with Peak 4.1 LE, you get all the essential features of Peak at an amazing value.

With Peak 4.1 LE, you can quickly edit and create your own custom MP3 or MP4 (AAC) music mixes. Convert your vinyl or cassette collection to CDs in just a few simple steps. Optimize audio for the Web. Record a professional-quality narration for a PowerPoint presentation. Create perfect dance remixes, drum loops, and sound samples. Then, when you're ready, burn your own replication-ready audio CDs.

Simply put, Peak 4.1 LE makes great-sounding audio easy — at a price that sounds every bit as good.

also available

- **Peak DV:** Optimized for users of Final Cut Pro, iMovie, iDVD, Premiere, DVD Studio Pro, and other video or DVD authoring apps. Includes all of Peak LE's features plus DV/QuickTime movie support, Change Duration and Batch File Processing.

*Learn more about Peak LE & Peak DV at [www.bias-inc.com/peak](http://www.bias-inc.com/peak)*

## Deck 3.5 LE

*Intuitive multi-track audio recording, mixing, and processing — at an amazingly affordable price.*



**I**f you want to record music and audio like a pro — but don't feel like breaking the bank — we've got some great news for you: your Macintosh is already half the solution. The other half is Deck 3.5 LE.

BIAS Deck 3.5 LE turns your Mac into a full-fledged recording studio. Easily record up to 12 tracks, with full CD quality. Edit your work instantly (while always being able to revert to your original recordings). Process your tracks, using EQ and other built-in digital signal processing. You can even play back MIDI files in perfect sync. Then mix it all down using Deck 3.5 LE's virtual mixing console.

Deck 3.5 LE is everything you need and then some. Sure, you could always take a few months to learn some other multitrack software, or buy a complicated hardware recorder. But no other competing solution is as easy to use and as fast to learn. No other is more compatible with so many different kinds of optional audio interfaces. And nothing else gives you an affordable upgrade path to Deck 3.5 — BIAS' acclaimed 64-track professional multitrack audio workstation.

Deck 3.5 LE. It's so intuitive, capable, and affordable. So why settle for less?

*Learn more about Deck LE at [www.bias-inc.com/deck](http://www.bias-inc.com/deck)*



# Peak 4.1 Mastering & Restoration Edition™

- **A complete mastering & restoration suite, right at your fingertips!**

Includes SoundSoap Pro for Broadband, Hum & Rumble, Click & Crackle removal, plus SuperFreq 4, 6, 8 & 10-band parametric EQ.

All this at a savings of nearly \$300 off the combined price if purchased separately!

## Mastering & Restoration Edition: Selected Features

### Peak 4.1

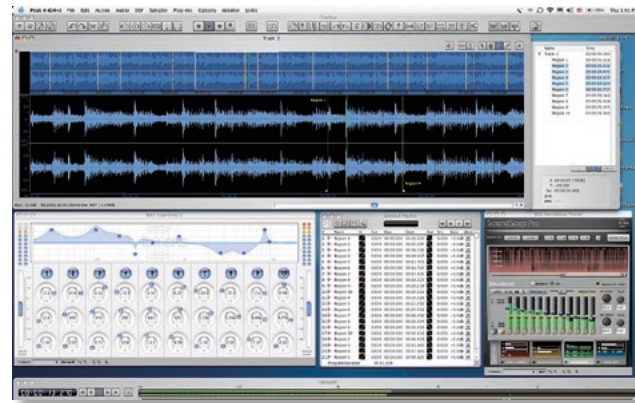
- Pro caliber sample editing, processing & mastering tools
- Roxio JAM™ 6
- SFX Machine™ LT
- More than 25 free VST plug-ins

### SuperFreq\* also available separately

- 4, 6, 8 & 10-band parametric EQ VST plug-in
- High & Low Cut, Peak, High-Shelf, and Low Shelf filters
- Q (bandwidth) values: 0.1 to 10
- Frequency values: 20 Hz to 20 kHz

### SoundSoap Pro

- 3 powerful noise reduction tools (Broadband, Click & Crackle, and Hum & Rumble) plus a Noise Gate in a single, intuitive interface
- Mac OS X and Windows XP compatible
- Supports Audio Suite, Audio Units, DirectX, RTAS and VST plug-in formats
- Compatible with most plug-in hosts from Adobe, BIAS, Cakewalk, Digidesign, Emagic, MOTU, Sonic Foundry and others



*The Peak 4.1 Mastering and Restoration Edition includes Peak 4.1, SoundSoap Pro, and SuperFreq all together at a savings of nearly \$300 off the list prices of purchasing each one separately!*

# BIAS Studio™

- **BIAS Studio bundles bring you the combined power of BIAS solutions — for recording, mixing, editing, and processing — at huge savings.**

Two options are available: the remarkably affordable BIAS Studio LE, and the amazingly powerful BIAS Studio — both of which let you combine the BIAS products you need for a fraction of the price they would cost separately.

## Editions Available

### BIAS Studio

Includes Peak 4.1, Deck 3.5, Vbox SE, BIAS Freq-4, BIAS Sqweez & Roxio Toast Lite

### BIAS Studio LE

Includes Peak 4.1 LE, Deck 3.5 LE, BIAS Freq-2 & Roxio Toast Lite

*Save big on the creative tools you need — now bundled together for desktop or mobile production*



*For complete information about the latest versions of BIAS Studio, see [www.bias-inc.com/studio](http://www.bias-inc.com/studio)*

- **Ready to learn more about BIAS Peak, Deck, SoundSoap, SoundSoap Pro, SuperFreq, or our BIAS Studio bundles?**

Give us a call, toll-free, at **1-800-775-BIAS.**

(International: 1-707-782-1866.) We'll gladly answer questions and can refer you to your nearest authorized BIAS dealer, to see BIAS software in action.

**You can also take most BIAS software for a free test drive.**

**Just go to [www.bias-inc.com/freetrials](http://www.bias-inc.com/freetrials) — where you can easily download free trial versions of our software, at no obligation.**

**Call us or visit your BIAS dealer today. Your creativity will thank you.**



## BIAS 2004 Family of Products



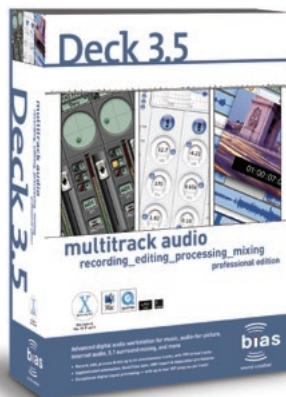
### Peak 4.1

The world's most popular stereo audio editing, processing & mastering application for the Mac

#### Other Editions

**Peak LE** Fast, easy, powerful audio editing, processing & CD burning — at an amazingly affordable price

**Peak DV** Pro-quality audio for Final Cut Pro, Premiere, iMovie, iDVD, DVD Studio Pro & other digital video applications



### Deck 3.5

Advanced digital audio workstation for music, audio-for-picture, Internet audio, 5.1 surround mixing & more

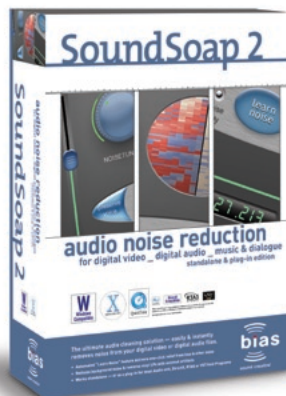
#### Other Editions

**Deck LE** A complete 12-track recording studio for the Mac: easy, fast, powerful — & a great value



### SoundSoap Pro

Professional audio restoration tools for Mac and Windows. The most powerful collection of audio restoration tools available — all in one single plug-in. Includes Broadband, Click & Crackle, Hum & Rumble tools, plus a sophisticated noise gate and a professional spectrogram.



### SoundSoap 2

The ultimate audio cleaning solution — easily & instantly removes noise from your digital video or digital audio files

### Also Available

**Peak 4.1 Mastering & Restoration Edition** includes BIAS Peak 4.1, SoundSoap Pro & SuperFreq: a complete mastering & restoration suite — right at your fingertips

**BIAS Studio** Includes BIAS Peak 4.1 and Deck 3.5: the world's most powerful family of pro audio tools, together at a special price

**BIAS Studio LE** Includes BIAS Peak 4.1 LE and Deck 3.5 LE: a complete audio solution for the Mac — and an unbeatable value

**SuperFreq** The ultimate 10-band parametric EQ — for Peak, Deck, or any Carbonized VST host program

**Have questions? Want to find out more? Contact the friendly folks at BIAS [ [www.bias-inc.com](http://www.bias-inc.com) ] or visit your local BIAS dealer today!**

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Printed in Canada.

Berkley Integrated Audio Software Inc.  
1370 Industrial Avenue, Suite A  
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