bias
sound creative℠

Product Line

- Peak Pro
- Master Perfection Suite *NEW!*
- SoundSoap
- SoundSoap Pro
- Deck

## 2006

winter

bias
sound creative

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.

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 to have recently brought you Peak Pro 5 — the most powerful, feature-rich version to date.

Now, ten 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 Pro, Peak Pro XT, the new Master Perfection Suite, Peak LE, Deck, Deck LE, and our two audio restoration products, SoundSoap and SoundSoap Pro, which have
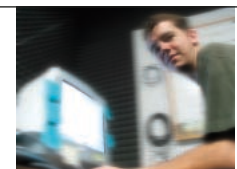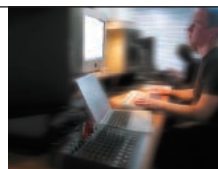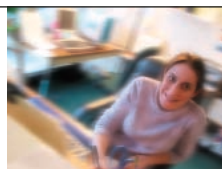
become even more popular than we originally anticipated.

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.
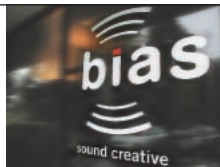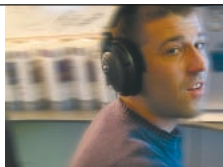
Steve Berkley
President & CEO

Christine Anuszkiewicz Berkley
Vice President and CMO

Table of Contents

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*
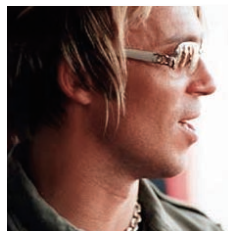
BT | *Producer/Composer*

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 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 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?"

bias
sound creative™

Peak Pro™ 5

BIAS Peak — the industry standard 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 and mastering limited only by your imagination, Peak Pro 5 does it better than anything else. Create unique dance loops and remixes. Optimize audio for Podcasting and Internet streaming. Dust off that pile of vinyl records or analog tapes and convert them to CDs, ultra-portable AAC (MP4) or MP3 files, or to just about any audio file format on Earth. Craft soundtracks or fix audio problems for digital video. Maximize your music's sonic quality — and then burn your final masters directly to CD – with 100% Red Book compatibility.

Peak Pro 5's new playlist offers advanced cross-fade control, PQ Editing, CD Text, ISRC, DDP Export* and more.

Superb new real-time and offline sample rate conversion algorithms ensure pristine results — where DAWs and competing products often fall short. Other enhancements include new high quality change pitch and duration DSP, advanced tape style scrubbing, support for virtual instruments and effects — even within Peak Pro 5's integrated Vbox processing matrix.

All that's just the tip of the iceberg. Dig in and hear for yourself exactly what Peak Pro 5 can do for you. It just might explain why more music and audio professionals depend upon BIAS Peak than any other competing product.

also available

▶ **Peak Pro XT:** The Extended Technology Edition includes Peak Pro 5, the new BIAS Master Perfection Suite™ of 6 new BIAS plug-ins, plus SoundSoap and SoundSoap Pro restoration tools.

▶ **Peak LE:** All of Peak's essential tools — at an amazingly affordable price.

Learn more about these other editions of Peak on page 16, or at:
www.bias-inc.com/products/peakpro/other.php

For complete information about the latest versions of Peak, see **www.bias-inc.com/products/peakpro**

Peak 5 – Selected Features

- Fast and powerful non-destructive & destructive sample accurate editing, processing, and professional audio CD mastering
- Simultaneous document viewing with window tiling
- Multithreaded processing and MP optimized
- Unlimited Undo/Redo with gtraphic edit histories
- Customizable display, key commands, tool bar
- Reads/Writes AIFF, SDII, QuickTime, MP3, AAC (MP4), WAVE, AU, Sonic AIFF, JAM Image, Raw, DDP* (optional), and more
- Read & write region, loop & reference markers

- Supports built-in Mac I/O and Core Audio compatible hardware
- Integrated DSP Toolset, including Fade In/Out, Normalize (peak & RMS), Gain Envelope, Reverse, Invert, Harmonic Rotate, ultra-accurate POW-r™ dithering, Convolve, Mix, Change Pitch, Panner, Find Peak, Invert, Strip Silence & more
- Professional 100% Red-Book CD Mastering playlist featuring advanced waveform views, crossfades, real-time effects, PQ sub-codes, ISRC, CD Text and more.
- Integrated Batch Processor

- Ultra high quality real-time and offline SRC (Sample Rate Conversion)
- Includes SFX Machine LT plug-in with 21 real-time special effects
- Up to 32-bit 10MHz, including 24 bit 96KHz (HD) — high sample rate recording requires compatible hardware
- Advanced looping tools— including the highly acclaimed Loop Surfer, LoopTuner, Crossfade Loop & Guess Tempo
- AU and VST effects & instrument support with automatic latency compensation during bounce

- Dozens of high quality VST audio effects plug-ins free and AU effects from Mac OS X
- Includes BIAS Sqweez compressor/limiter plug-in and BIAS Freq 4-band paragraphic EQ
- Advanced VST/AU plug-in routing matrix via integrated Vbox SE
- Automated Repair Clicks & Remove DC Offset
- ImpulseVerb** — applies real room ambiance to any audio file – includes over 150 spaces
- Supports all SMDI hardware samplers

>>>

Peak Pro 5 — *The industry standard stereo editing, processing, and mastering application for the Mac*

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

▸ BIAS Sqweez pro-quality compressor/limiter

▸ BIAS Freq 4-band Paragraphic EQ

▸ Reverb

▸ Limiter

▸ Stereo Imager

▸ Spectral Analyzer

▸ Auto-Pan

▸ Degrader

▸ Detune

▸ Leslie Simulator

▸ Overdrive

▸ Resonant Filter

▸ DubDelay

▸ Stereo Simulator

▸ Sub Bass Synthesizer

▸ Pitch Tracker

▸ Vocoder

▸ and more

Also bundled free with Peak Pro 5:

▸ BIAS Vbox SE [fully integrated multi-effects control environment]

▸ SFX Machine LT [powerful real-time effects plug-in — includes 21 earbending presets]

▸ discWelder Bronze Trial - allows 5 high resolution DVD Audio discs to be burned at no additional charge

Personalize Peak Pro 5 to work the way you want with customizable, scalable toolbar and user-definable key commands.

Powerful on-board DSP tools — including Normalize (peak & RMS), Repair Clicks, Crossfade Loop, Envelope from Audio, and tons more!

Manage multiple audio documents easily — with independent edit histories and display options.

Useful selection tools make editing audio and moving multiple markers, loops, or regions fast and easy. Blending on/off mode makes every edit seamless, ensuring click-free transitions between operations.

Reference/region/loop markers help locate pops and clicks, or designate important segments of audio, such as discrete CD tracks. Use Peak Pro's highly acclaimed Guess Tempo™ and Loop Surfer™ to extract perfect loops instantly and easily.

The document file drawer stores a library of all reference, region and loop markers, plus a complete edit history with unlimited undo/redo. Drag and drop regions into a playlist. Name, edit location points, or cue playback of markers, loops or regions.

Import QuickTime movies and digital video for audio sweetening. Peak Pro maintains better-than-frame-accurate sync, letting you play the movie while making audio selections or scrubbing audio.

VST and Audio Units plug-ins, as well as virtual instruments can be mixed and matched using the available plug-in inserts, or chained in series, parallel or both using the Vbox plug-in matrix. Virtual Instruments can be triggered using the virtual keyboard window, or from an external MIDI keyboard.

ImpulseVerb™** is a powerful sampling reverb algorithm that utilizes an included 250MB library of impulse responses. ImpulseVerb applies the room ambiance of a multitude of spaces to your audio. You can even create and import your own impulse responses.

Peak Pro includes Sqweez™, a high-end compressor/limiter plug-in, and Freq™, a professional 4-band paragraphic EQ plug-in. Over 25 free VST plug-in effects are also included.

Peak Pro offers ultra-high quality DSP, including Change Pitch, Change Duration and Sample Rate Conversion. The Tempo Envelope window changes duration over time.
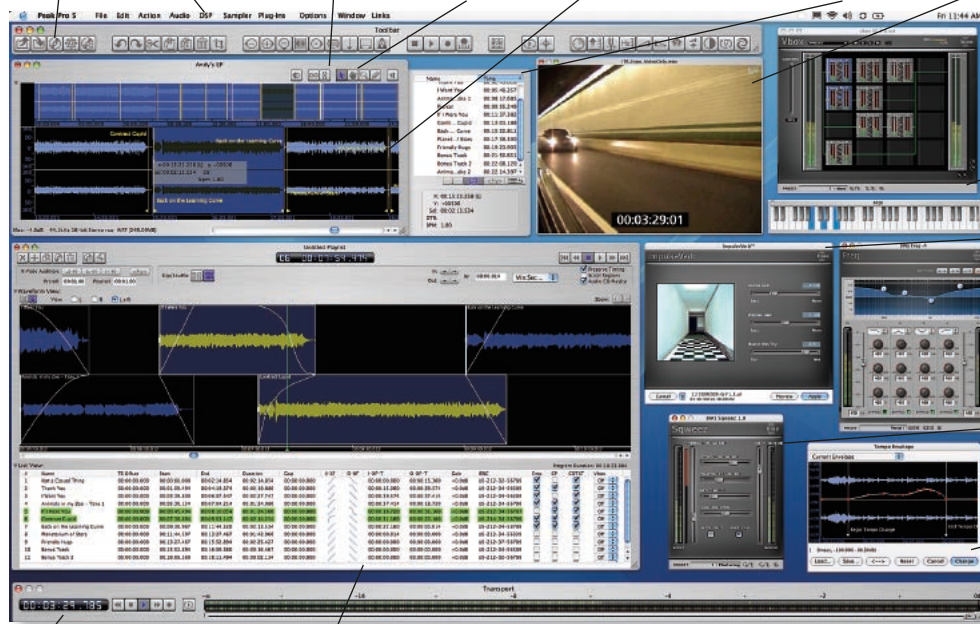
The resizable transport window offers playback controls, a location counter, master volume fader, and super-responsive, high-precision meters.

The Peak Pro 5 Playlist is brand-new, and includes a graphic waveform view featuring optional staggered or linear views, allowing crossfades and tracks to be adjusted visually. It features 100% replication-ready CD burning with ISRC entry, PQ subcode editing, CD-Text, unlimited undo/redo, support for keyboard triggerable controls for auditioning and nudging, as well as bounce to multiple word lengths via POW-r dithering. An optional extension for DDP file export is also available.

>>> • Change Duration DSP with Tempo Envelope and Transient mode – high-quality time compression/expansion without affecting pitch or smearing attacks

• Recording notepad & timer

• Threshold function automatically divides files based on amplitude

• Trigger playback & cueing of up to 10 audio documents using Mac keyboard

• Advanced QuickTime/DV support with sample accurate synchronization

• Auto-Define Tracks – divides LP/Tape recordings into single tracks for easy CD burning, export to iTunes and more

• Use stand alone or integrated as an external editor launched from Deck, Digital Performer, Live, Final Cut Pro, and more

• Ideal editing, processing, and CD mastering companion for Cubase, Digital Performer, Live, Logic, Pro Tools, and more

• Over 300 MB of high quality loops & audio content from PowerFX and Sound-FX-Design

System Requirements

• G3, G4 or G5 desktop Apple Macintosh, iBook or PowerBook (>400MHz processor recommended)

• Macintosh OS 10.3.9 minimum (CD Text requires 10.4 or greater)

• 256 MB RAM (512 MB recommended)

• Minimum 1024 x 768 screen resolution

• 18 ms hard drive (average seek time) or faster

• 330 MB available disk space

• QuickTime 6.0 or later

• ImpulseVerb requires a G4 processor or faster**

• Support for third-party audio hardware may require compatible Core Audio drivers

For most up-to-date info, see www.bias-inc.com/peak

Master Perfection Suite™

Designed from the ground up for mastering and sound design professionals, these state-of-the-art plug-ins were originally available as part of Peak Pro XT. Now the Master Perfection Suite is available for virtually any host application on Mac and Windows.

Repli-Q™ matches spectral qualities of your favorite mix to your own tracks. PitchCraft™ delivers super natural pitch and formant control. Launching Reveal™ exposes what's really going on inside your mix — with seven powerfully integrated analysis tools. Sqweez-3™ & -5™ offer the ultimate in linear phase multi-band processing.

SuperFreq™ offers 4, 6, 8, and 10 band paragraphic equalization. Our powerful GateEx™ offers a high quality gate and downward expander.

Hear for yourself, and you'll agree the BIAS Master Perfection Suite offers more sonic quality, features and interface improvements over most other plug-ins in their class.

SuperFreq™
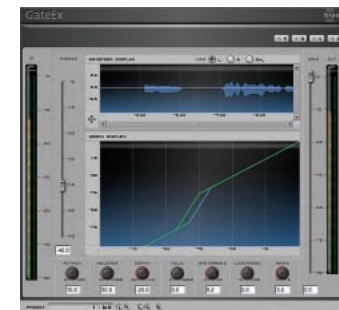High performance 4-, 6-, 8- & 10- band paragraphic EQ
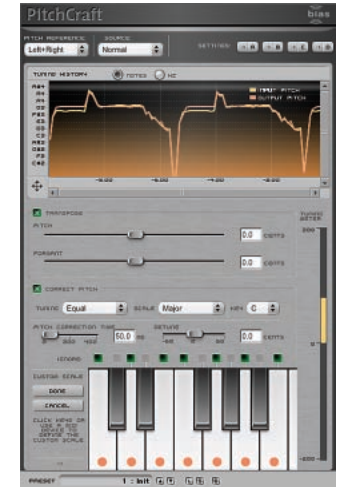
PitchCraft™
Super natural pitch correction

Repli-Q™
Spectral/EQ matching, with astounding results

GateEx™
Top-performing gate/ expander plug-in

Master Perfection Suite

PitchCraft™
A real-time pitch correction/transposition plug-in that fixes out-of-tune vocals or other single voice instruments easily and with minimal artifacts. Humorous, eerie, and even supernatural effects can also be obtained, making PitchCraft a great sound design tool as well.

Reveal™
Seven powerful analysis tools in a single plug-in interface — Oscilloscope, Peak and RMS Power History, Spectrogram, Pan Power, Spectral Analysis, Lissajous Phase Scope and Peak and RMS Level Meters. An "all" view displays every tool in a single window. Additionally, users can select any tool as desired via a tab style interface.

SuperFreq™
A mastering-quality 4, 6, 8 & 10-band paragraphic equalizer that includes everything for professional caliber equalization, including -24dB to +24dB Gain Values; 0.1 to 30 "Q" (bandwidth) values; sweepable frequencies from 20Hz to 20kHz, individual band bypass buttons; 24dB stereo input/output meters; and filters including Peak, Notch, High Shelf, Low Shelf, High Cut, and Low Cut.

Repli-Q™
Repli-Q matches the EQ of one source to another target signal. By learning the spectral profiles of the source and target signal, Repli-Q allows the degree of matching and smoothing to be manipulated. Repli-Q provides a spectral matching function, as well as the ability to improve an improperly equalized track, and can also help ensure equally optimized playback in multiple listening environments.

Sqweez-3™ & Sqweez-5™

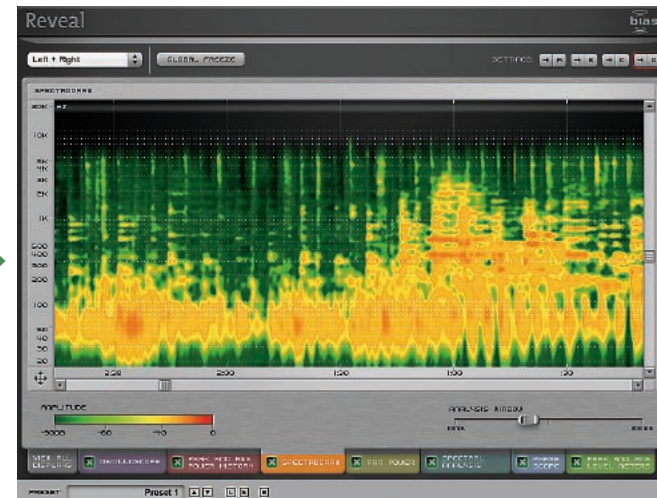3- and 5-band compressor/limiter/ upward expander with linear phase performance.

Sqweez-5™ EQ View
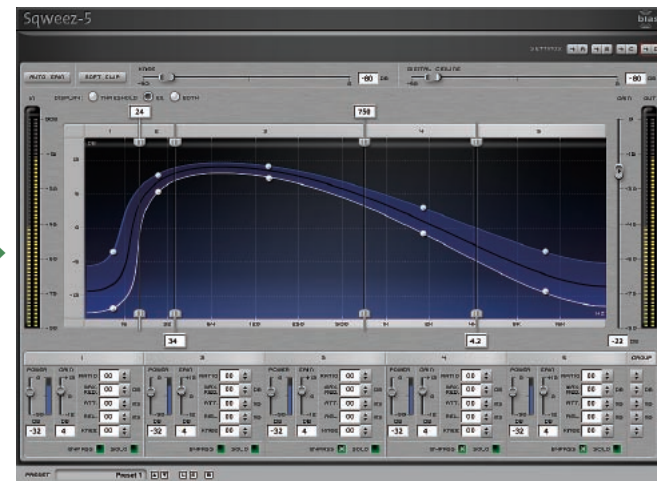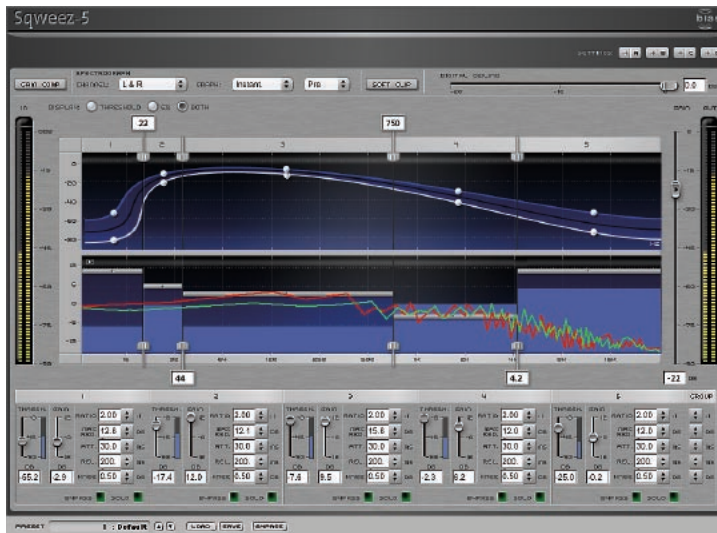
The Sqweez -3 and -5 real time graph window displays the EQ curve, Threasholds or both. It can also optionally display the spectrograph.

Reveal™

Professional 7-tool audio signal analysis suite.

Spectrogram View

Reveal includes an intuitive tabular interface. Look at all 7 tools in a global view, or click on any of the tabs to see a close up view of any of Reveal's seven analysis tools.

For complete information about the Master Perfection Suite, see **www.bias-inc.com/mps**

Sqweez-3 & -5™

Two powerful multiband compression/limiter/ upward expander plug-ins with advanced new linear phase equalization algorithms from BIAS. Both offer graphic per band viewing/editing of threshold and EQ. Each band may be soloed and/or bypassed individually, and a convenient "auto gain" button compensates for loudness variations. A variable "digital ceiling" slider controls the clipping headroom of the integrated soft clip function.

GateEx™

A new pro-quality Gate/Expander plug-in with graphic displays, advanced parameter control, and downward expander – effectively removes signals below an assignable threshold and helps reduce residual noise.

System Requirements

Macintosh
- G4 or G5 desktop Apple Macintosh, iBook or PowerBook (>500MHz processor recommended)
- Macintosh OS 10.3.9 minimum (10.4 recommended)
- Compatible RTAS, AU, or VST host application

Windows
- Intel CPU (P3 or greater), Athlon CPU, with SSE Instructions (>1GHz processor recommended)

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

Both
- Minimum 1024 x 768 screen resolution
- 256 MB RAM (512 MB or more recommended)
- 250 MB available disk space
- An available USB port for the included BIAS USB key

SoundSoap™ 2

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

▶ **SoundSoap Pro:** 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 on pages 12 & 13 or at www.bias-inc.com/soundsoappro

---

SoundSoap 2 – Selected Features

For complete information about the latest version of SoundSoap, see www.bias-inc.com/soundsoap

- 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 most 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

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.

SoundSoap Pro™

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, Sound-Soap Pro scrubs away problems — leaving nothing behind but sparkling clean results.

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
- ABCD Compare function offers instant comparison of up to four different settings
- Total store/recall of all parameters

- Integrated approach offers four noise reduction & audio restoration tools in a single plug-in; interface suggests order of operations to achieve optimal results
- 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*

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. 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 discontiguous 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/soundsoappro

	SoundSoap Pro	SoundSoap 2
Advanced Broadband Noise Reduction	Yes (512 bands; 12 T/R sliders)	—
Basic Broadband Noise Reduction	—	Yes (512 bands; 2 T/R knobs)
Automated Attack/Release Settings	—	Yes
Variable Attack/Release Settings	Yes	—
Advanced Hum & Rumble Removal	Yes	—
Basic Hum & Rumble Removal	—	Yes
Advanced Click & Crackle Removal	Yes	—
Basic Click & Crackle Removal	—	Yes
Advanced Noise Gate	Yes	—
Standalone Operation	—	Yes
Plug-In Host Formats Supported	VST, RTAS, AU, DirectX	VST, RTAS, AU, DirectX
Basic visual display of noise	—	Yes ("Wash Window")
Advanced visual display of noise	Yes (Professional Spectrogram)	—
Platforms	Mac OS X, Windows XP	Mac OS X, Windows XP

Deck™ 3.5

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 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

For complete information about the latest versions of Deck, see 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 paragraphic EQ & BIAS Vbox SE multi-effects control environment
- Built-in realtime DSP effects including Chorus, EQ, Delay & Multitap
- 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
- Non-destructive punch-in/out
- Clip nudging & trimming — with better-than-subframe accuracy
- 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   >>>

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
▸ BIAS Vbox SE [fully integrated multieffects control environment]

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

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.

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.

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 discontiguous 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 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.

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).

>>> • 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 LE 5 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.

** 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
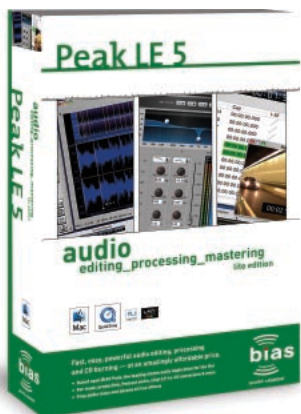
For most up-to-date info, see www.bias-inc.com/deck