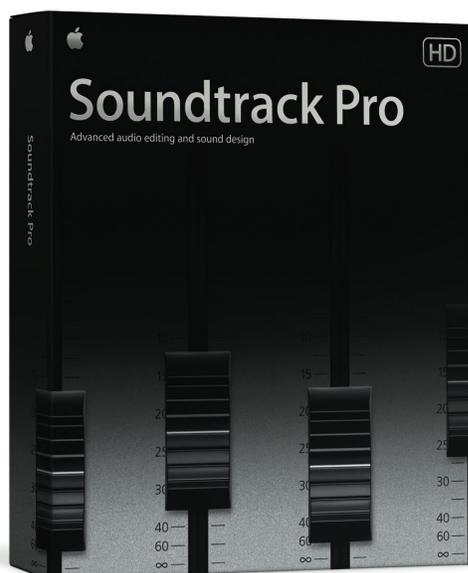




# Soundtrack Pro

Product Overview

May 2005

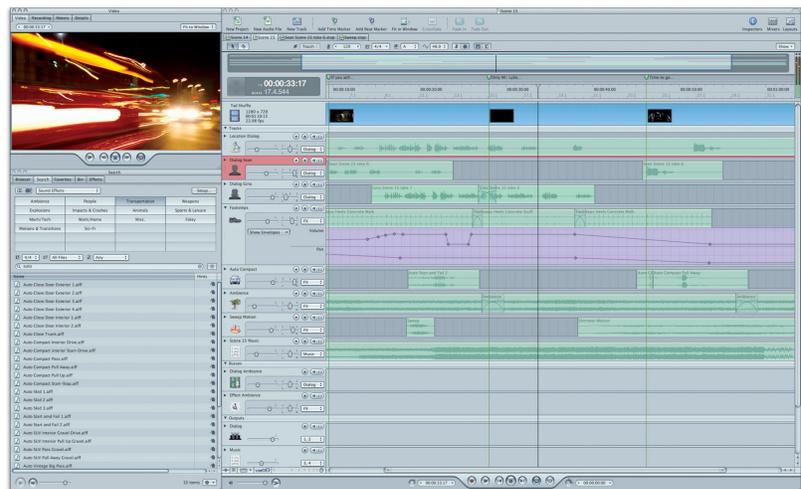


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# Introducing Soundtrack Pro

Soundtrack Pro is a new audio application from Apple that revolutionizes the way audio and video professionals edit and design sound. Its innovative Waveform Editor, featuring Action-based editing and intelligent Find-and-Fix functions, lets you accurately manipulate audio while retaining total creative flexibility. Over 50 professional-quality plug-ins, plus thousands of included sound effect and music Apple Loops, enrich your sonic palette. And with multitrack editing and mixing, AppleScript capabilities for automation of common tasks, round-trip integration with Final Cut Pro, and support for video formats including HD resolutions, precise audio control has never been so intuitive.



## Precision Audio Editing

The Waveform Editor with innovative Action-based editing lets professionals precisely manipulate audio. With Actions, each edit, effect, or process performed in the Waveform Editor can be turned on or off, or be totally reordered to give complete creative control in a nondestructive editing environment. Intelligent Find-and-Fix allows you to quickly identify, preview, and fix common audio problems such as background noise, pops, clicks, and hum. Ambient Noise Print streamlines the dialog and live audio editing process by quickly removing unwanted sounds and replacing them with ambient noise. Audio time stretching allows you to change the duration of audio without affecting pitch to perfectly match video action or change the length or tempo of a musical segment.

## Powerful Sound Design

More than 50 professional effect plug-ins, including Space Designer, Match EQ, and Linear Phase EQ from Logic Pro, let you precisely enhance a dialog track, re-create the reverberant ambience of any space, or create over-the-top sound effects. With over 5000 sound effect and music Apple Loops included, Soundtrack Pro can quickly drop in the perfect sound to enhance any project.

## Comprehensive Toolset

Soundtrack Pro provides all the features you would expect from an advanced audio application, including a multitrack editor and a console-style mixer with control surface support. The synchronized video display feature lets you precisely match sound elements to SD and HD video using the Video tab, a second Apple Cinema Display using Digital Cinema Desktop, or through output to SD or HD monitors. And with AppleScript capabilities, common and repetitive audio tasks—like batch format sample rate conversions, noise reduction, and normalization—can be automated and executed from Soundtrack Pro, as a droplet, or directly from Final Cut Pro 5.

## Integrated Workflow

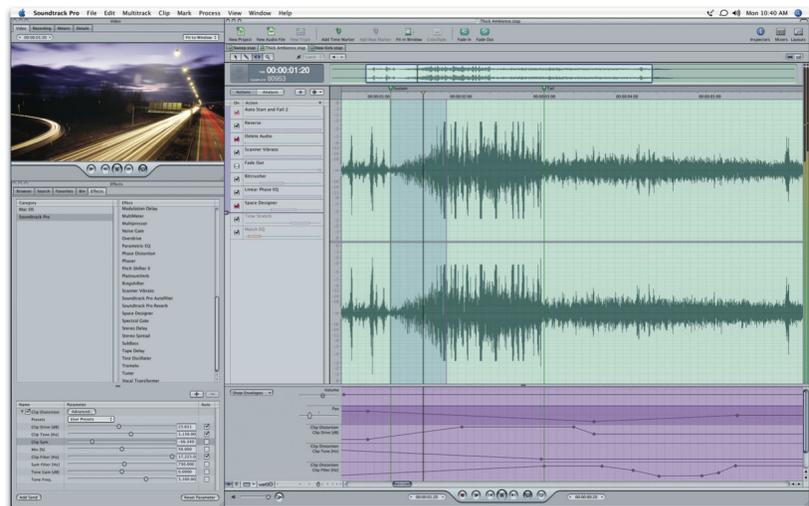
Seamlessly move back and forth between other Final Cut Studio applications and Soundtrack Pro for quick and simple audio touchup and creation work. Or take entire sequences from Final Cut Pro 5 and produce complete soundtracks. You can easily move from DVD Studio Pro 4 to Soundtrack Pro to create director's commentaries and audio beds for menus, and quickly add a sound effect or transition audio to Motion 2 projects. Soundtrack Pro also works well with other music and audio applications. Use it as a dedicated Waveform Editor and sound design tool to complement your existing digital audio workstation and to streamline work through batch processing.

# Precision Audio Editing

Soundtrack Pro introduces a Waveform Editor with innovative Action-based editing for precise and intuitive audio control.

## Waveform Editor

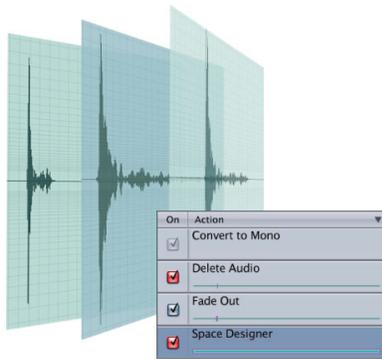
The Soundtrack Pro Waveform Editor gives you extensive audio file editing capabilities and lets you perform nondestructive, sample-accurate manipulations of audio. It includes a set of graphical editing tools, a time display, a global waveform view, an Actions list, a frequency spectrum view, and a waveform display featuring animated waveforms for easier visualization of audio operations.



## Action-Based Editing

**Modify, reorder, suspend, or delete any audio edit or process at any time**

With the Actions list, any edit, process, or effect can be modified, reordered, suspended, or deleted to allow experimentation with different sound design tasks. Actions give you an extremely flexible and powerful way to edit audio files in the Waveform Editor. You can apply an Action to an entire file or a selected part of the file. You can turn individual Actions on or off as well as reorder them in the Actions list, changing the sequence in which the Actions manipulate the audio file. You can adjust settings at any time after applying an Action, and even flatten Actions into the audio file.



All effects and third-party Audio Units plug-ins can be applied to the audio waveform nondestructively as Actions, allowing you to tweak parameters long after the effect has been applied. Plug-ins can also be applied as real-time effects, allowing automation of plug-in parameters over time. And any real-time plug-in can be converted to an Action, allowing the same flexible control over the real-time plug-in as other processes. Files can be rendered for use in other applications or be kept in a nondestructive project format for use in Soundtrack Pro or other Final Cut Studio applications, including Final Cut Pro 5 and Motion 2.

## Intelligent Find-and-Fix

### Identify and repair common audio problems

Prepare field-recorded audio or restore old or damaged recordings. Soundtrack Pro includes a set of audio tools that can analyze an audio file for common problems such as clicks and pops, hum, and phase issues. Any problems detected are shown in the Results list. When you select an item in the Results list, the area is highlighted in the Waveform Editor for easy auditioning prior to fixing. You can choose to fix problems individually or simply Fix All with a single button click.

## Ambient Noise Print

### Remove unwanted sounds and automatically fill with ambient noise

Save time when preparing dialog tracks or editing live recordings. Soundtrack Pro features two commands for editing an audio file: The Set Ambient Noise Print command lets you identify part of an audio file containing only ambient noise. The Replace With Ambient Noise command applies the ambient noise stored in the ambient noise buffer to the audio file or selection, automatically fitting it to the necessary length and crossfading, so you can quickly replace unwanted audio without spending time on tedious editing tasks.

## Time Stretch Audio

### Instantly change the duration of audio without affecting pitch

Quickly fit a voiceover or sound effect to video frames or change the length or tempo of a musical section or sample. You can time stretch an audio file or selection by simply dragging audio to the desired clip length or by entering precise time durations. In doing so, you change the length of the file without altering the frequency (pitch). For example, in a file containing music, the tempo of the music is changed, but not the pitch. You can even resize portions of an audio file to affect the duration of individual words or musical elements.

# Powerful Sound Design

Soundtrack Pro can precisely enhance a dialog track, re-create the reverberant ambience of any space, or produce over-the-top sound effects. And with the included Apple Loops in Soundtrack Pro, you can quickly drop in the perfect sound to enhance the action of the picture or complement any other audio or music project.

## Professional-Quality Plug-ins

### Enrich your sonic and creative palette with over 50 professional plug-ins

Use effect plug-ins to create professional mixes, innovative sound effects, cutting-edge music samples, and high-quality dialog. For example, Space Designer accurately emulates the reverb qualities of any space using impulse response technology. Match EQ makes a dialog overdub or ADR (Automated Dialog Replacement) track sound like the original field recording. Support for the Audio Units plug-in standard lets you augment these effects with third-party plug-ins.



Use audio effects to add both subtle and dramatic changes to audio clips in a multitrack project or to an audio file project. Soundtrack Pro includes equalization, compression, reverb, delay, modulation, and other effects you can use to clean up audio, design new sounds, and enhance the character of your audio.

Soundtrack Pro gives you two ways to use audio effects in your projects: real-time effects and processing effects. Real-time effects can be added to tracks, busses, and outputs in a multitrack project or to an audio file project in the Waveform Editor. These effects modify the audio as it passes through them. Each real-time effect has parameters that can be adjusted to control how the effect modifies the audio. You can also automate effect parameters to create changes over time. In addition, any real-time effect can be bounced to an Action, giving you all the benefits of Actions on an automated effect plug-in.

Effects can also be added to an audio file project as an Action. The Process menu includes an Effects submenu from which you choose processing effects for your project. Processing effects are added as Actions, which you can turn on or off, reorder, and adjust in the Actions list.

## Sound Effects and Musical Elements

### Use high-quality sounds to build tracks quickly

The Apple Loops format enables time stretching and pitch shifting of audio files in real time. It also allows all music Apple Loops to automatically match key and tempo, and provides metadata information for quickly searching and finding the right sound. Soundtrack Pro provides over 5000 sound effect and music Apple Loops—including sound effects ranging from earthshaking explosions, crashes, and impacts to subtle ambiance and Foley effects—all selected from professionally produced libraries. Expand your library even more by adding sound effect and musical libraries from Apple and other companies, including Apple’s Jam Pack collections.

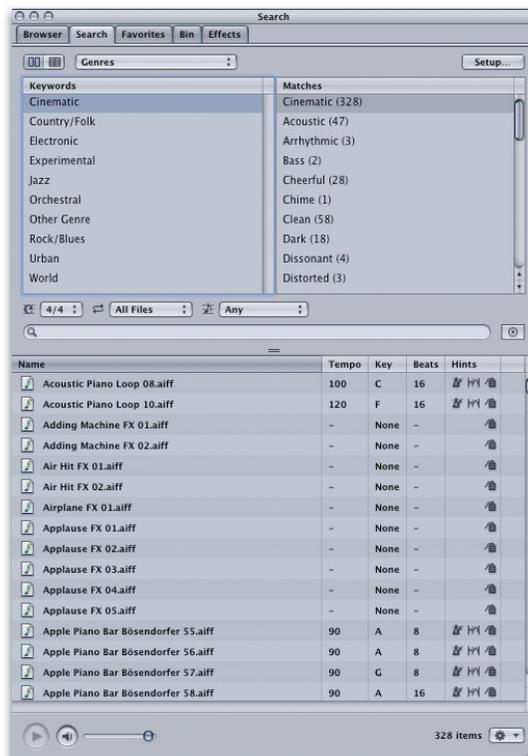
## Apple Loops Browser

### Locate the right sound in moments

An integrated browser allows for convenient and fast searching of Apple Loops and ACID libraries. The Search tab lets you locate audio files using a variety of criteria. You can perform text searches, and search for Apple Loops and other tagged file formats using keywords for effect type, instrument, genre, mood descriptors, and other categories. Matching files are displayed in the search results list. Once you locate the files you want to use, you can preview them in time with your project (music Apple Loops audition in the right key and tempo) in the search results list and then drag them to the Timeline or open them in the Waveform Editor.

The Search tab has two views. The column view features a Keywords list and a Matches list with subcategories you can use to refine searches. The button view displays a matrix of keyword buttons you can click to see matching files.

A standard file browser window is also provided for navigating to specific places on any mounted volume for content. A Favorites tab allows you to keep important sounds right at your fingertips. And the Bin tab keeps track of all the sounds you want associated with a particular project.



# Comprehensive Toolset

In addition to the features previously mentioned, Soundtrack Pro provides all the tools you would expect from an advanced audio application, including multitrack editing, a console-style mixer, and many others.

## Multitrack Editing

### **Arrange audio clips in the Timeline**

Soundtrack Pro features a multitrack editor that allows you to build complete projects with hundreds of audio tracks. And with sophisticated features like automatic crossfades, multitake recording, time-based and beat-based tracks, and automation of mix and effect parameters, you have the tools you need to create a complete soundtrack or any other audio project.

Multitrack projects include tracks, busses, and outputs you can use to create sophisticated mixes. Arrange audio clips in tracks in the Timeline and synchronize them to a video clip. Audio can be added to the Timeline from the Media and Effects Manager or from the Finder, or audio can be recorded directly into tracks. Controls in each track let you adjust volume and pan, mute or solo the track, add effects, and adjust effect parameters.

### **Create changes over time to volume, pan, effects, and other controls**

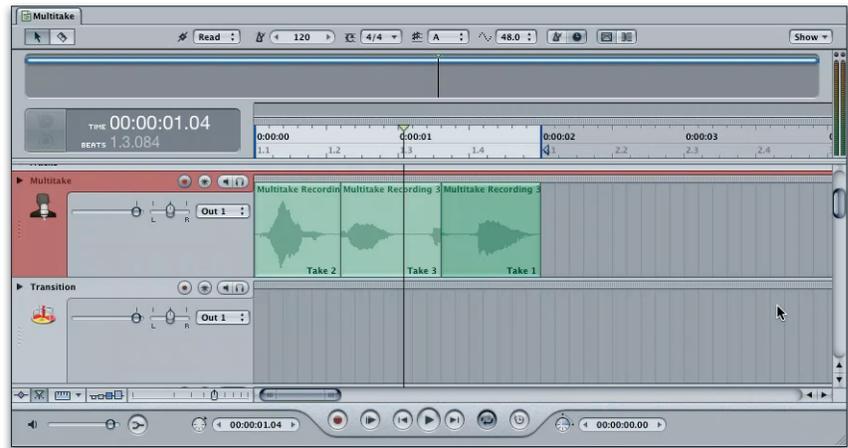
Automation offers a powerful way to add drama and interest to your projects. You can automate volume and pan changes to tracks, busses, and outputs, and automate changes to effect and effect send parameters in multitrack projects. Soundtrack Pro gives you three ways to work with automation:

- Add and adjust points on envelopes in the Timeline and the Waveform Editor.
- Record changes to sliders, faders, and other controls in the Timeline, the Mixer, and the Effects tab.
- Record movements to controls on a hardware surface connected to your computer and mapped to Soundtrack Pro commands and functions.

## Multitake Recording

### Record multiple takes and pick the best performance

You can easily cycle a section of the project and create multiple recording “takes.” Use the playback region to define where each take starts and ends, or record for the duration of the project.



When you record multiple takes, the takes are recorded sequentially to an audio file in the recording location set in Recording preferences. The takes are “stacked” in a single clip in the Timeline and are numbered sequentially; the number appears in the lower-right corner of the clip and corresponds to the number of completed takes. You can audition each take and create composite takes by splitting the clip and choosing a take for each split segment.

## Console-Style Mixer

### Focus on creating pristine mixes

The Mixer window gives you a focused area to control the overall mix of your multitrack projects. All tracks, busses, and outputs are represented as well as effect inserts and sends. With support for control surfaces (Mackie control protocol), you can also add tactile hardware control.



Soundtrack Pro gives you professional mixing capabilities, including the ability to create submixes and send audio to multiple physical outputs represented through Core Audio. The Mixer provides a visual representation of your project in a virtual mixing console, with channel strips where you control different aspects of the sound. You can adjust volume and pan, mute and solo tracks, choose track outputs, add effects, add sends, and observe levels as the project plays.

Soundtrack Pro supports output to multichannel hardware devices via Core Audio. It also allows you to perfect your mix in the following ways:

- Remove Timeline distractions and interact with your audio tracks using a familiar mixer interface.
- Automate mix and effect parameters for detailed control.
- Use sends to apply common effect plug-ins to multiple tracks.
- Use output busses to group similar tracks for “single fader” control or for different delivery requirements including DM&E (dialog, music, and effects) mixes, alternative language tracks, or director’s commentaries.

### Control surface support

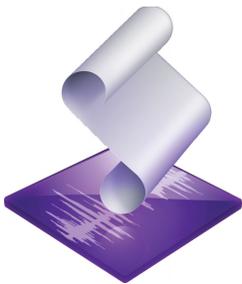
You can connect control surfaces to your Macintosh computer to give you hardware control of transport functions, mixing, and other tasks in Soundtrack Pro. These surfaces provide a set of hardware controls that let you mix and edit your projects with greater flexibility and precision than using a mouse to adjust onscreen controls. In addition, multiple parameters can be changed at once. Soundtrack Pro supports hardware surfaces that use the Mackie control protocol.

## Scripting

### Simplify repetitive operations to save time

Use AppleScript to save a script of multiple operations as you perform them in the Waveform Editor, then execute those steps automatically and quickly by recalling the script anytime you need to perform those operations again. Such scripts can be executed as droplets for batch processing in the Finder or directly from Final Cut Pro 5 to save even more time.

Apply Actions to audio clips while you are working in Final Cut Pro 5 by using the Send To shortcut menu. You can also drag files or folders onto a droplet in the Finder, making it easy to batch process files. Edit the droplet in the AppleScript Script Editor to adjust Action settings. This is especially helpful when you want to apply the same series of Actions to multiple files, or when you want to apply Actions repeatedly, changing one or several settings each time. You can apply a droplet to an audio file or group of files by dragging the file or the folder containing the group of files onto the droplet. Soundtrack Pro also works with Mac OS X v10.4 Automator, giving you the ability to script complex workflows involving multiple applications and finder actions along with Soundtrack Pro scripts.



## Synchronized External Video Display

### Confidently place audio to precise video frames

The precision that Soundtrack Pro affords you continues when adding video to your project. View the video in the video window tab or display it on an external video monitor. Audio/video synchronization is accurate both onscreen and on the external monitor, up to HD resolutions. You can accurately place audio clips to synchronize with specific frames or points in time in the video. The resizable tear-off video window tab allows you to display video onscreen at any size on single or dual display setups.

The quality of the output on an external video output device is as high as the device can support. If you connect a device capable of broadcast-quality output, the video is displayed with more accurate colors than possible on a computer display, with true interlacing, correct pixel sizes, the correct aspect ratio, and broadcast-quality refresh rates.



### Digital Cinema Desktop

Use a second Apple Cinema Display to view video at up to HD resolutions using Digital Cinema Desktop. Connect the second Apple Cinema Display to your computer and play the video full screen and perfectly synchronized while using the other Apple Cinema Display for editing.

# Integrated Workflow

## Final Cut Studio Integration

### Seamless integration with other Apple professional applications

Soundtrack Pro gives you several ways to work with media files from Final Cut Pro 5, Motion 2, DVD Studio Pro 4, and other Apple professional applications. You can edit individual audio files (including QuickTime movies) in the Waveform Editor, and you can open a group of clips or a sequence as a multitrack project.

Send individual audio clips from Final Cut Pro 5 and Motion 2 to Soundtrack Pro and quickly fix or manipulate in a round-trip workflow. Prepare audio for DVD Studio Pro 4 menus and retain links to the Soundtrack Pro project for any future changes.

For more complex soundtrack creation and mixing, move entire sequences of audio and video from Final Cut Pro 5 to Soundtrack Pro using the “Open in Multitrack” feature of Final Cut Pro 5. Quickly return to the original Soundtrack Pro multitrack project at any time directly from Final Cut Pro 5.

In multistation setups, use XML to move projects across computers from Final Cut Pro 5 to Soundtrack Pro for audio post-production work.

## Audio and Music Workflow

### Works well with other music and audio applications

Use Soundtrack Pro as a dedicated Waveform Editor with:

- **Apple Logic Pro and Logic Express.** Use the Waveform Editor in Soundtrack Pro to create innovative and original new sounds for use in the EXS sampler or UltraBeat. Intelligent Find-and-Fix functionality can help clean up audio tracks for more pristine music mixes. Preprocess audio files before you use them in the Arrange window of Logic using the batch processing capabilities of Soundtrack Pro. Perform detailed and sample-accurate manipulations of audio files for use with any of the sample-based instruments or effects in Logic Pro or Logic Express. You can also use the “open in external editor” key command in Logic to edit audio files with the Soundtrack Pro Waveform Editor.
- **Digidesign Pro Tools and MOTU Digital Performer.** Use Soundtrack Pro to batch process files before they are imported into Pro Tools and Digital Performer to match sample rates, adjust amplitude, correct background noise problems, or apply any of the over 50 amazing effects including Space Designer Convolution Reverb.

In larger audio post-production facilities, using Match EQ in combination with Space Designer from Soundtrack Pro, you can analyze location recordings and create scripts that will process ADR tracks to match the sound and reverberant space of the original location dialog.

Soundtrack Pro can also serve as a powerful stand-alone Waveform Editor to perform detailed sample-accurate manipulations of audio files for use in Pro Tools or Digital Performer. In addition, anyone with requirements to create new sounds will appreciate the flexible and creative ways in which Action-based editing in Soundtrack Pro facilitates innovative sound design.

- **Ableton Live.** Soundtrack Pro can preprocess any loops or musical segments that you plan on using in Live. You can use any of the over 50 creative effect plug-ins to totally tweak the sound of your loops. And, using the high-quality time stretch capabilities in Soundtrack Pro, you can get your Live content to a much closer tempo to substantially reduce any time stretching artifacts in Live. You can also use Soundtrack Pro to creatively edit your Live content using Action-based editing to add even greater variation to your tracks by reversing small segments of audio, reordering elements, and performing any other creative editing process you can think of. You can also use any of the more than 5000 sound effect and music Apple Loops as AIFF files for your Live compositions.
- **Propellerhead Reason.** Self-designed samples make music created in Reason sound fresh, new, and original. You can use the advanced Waveform Editor, innovative sound design plug-ins, and sound effect and music Apple Loops in Soundtrack Pro to create inventive, cutting-edge samples for Reason. Devices like the NN-Xt, NN-19, and Redrum can sound totally new using custom samples created in Soundtrack Pro.
- **Larger audio production facilities.** The scripting and batch processing capabilities of Soundtrack Pro can greatly increase the efficiency of larger audio production facilities. From simple tasks like normalizing and sample rate converting hundreds of audio files to more detailed operations like noise reduction or application of common reverbs, compressors, or EQs, Soundtrack Pro can save you time and money. When coupled with Automator actions in Mac OS X v10.4, Soundtrack Pro allows facilities to automate complex workflows with the Finder and other Automator-aware applications.

# Who Uses Soundtrack Pro?

## Video Post-Production Professionals

Soundtrack Pro works as a tool for the video post-production professional who is looking to save time and money by fixing much of the audio before moving to an outsourced audio post-production facility.

Small audio tasks and repairs are time consuming because of the hassles of moving between a nonlinear video editor and audio editor. These tasks are often left until the audio post-production stage, which costs more; or they are attempted using nonintegrated audio editors, which takes more time. Soundtrack Pro provides a quick, integrated audio workflow with the nonlinear editing system for restoring and repairing damaged audio quickly and effectively. In addition, the scripting capabilities of Soundtrack Pro can save valuable time by batch processing multiple files.

## Independent Filmmakers

Although filmmakers may not be considered audio professionals, tighter budgets and shorter schedules require them to understand and work more and more with audio. Soundtrack Pro is capable of doing all of the audio post-production work on small- and mid-scale projects.

Soundtrack Pro is included in Final Cut Studio or available as a stand-alone product, and it provides an affordable, integrated tool that independent filmmakers can use right away. For ease of use, the audio clip-based workflow with Final Cut Pro 5 and the Soundtrack Pro Waveform Editor let editors quickly move between audio and video tasks while retaining all clip locations in Final Cut Pro 5. And, the multitrack capabilities allow independent filmmakers to perform full audio post tasks including dialog and voice-over work, sound effects and sound design, Foley, and music editing and mixing (rerecording).

## Event/Wedding/Corporate Videographers

For the small business owner, wedding and event videographer, and low- to mid-budget corporate video producer, Soundtrack Pro provides the tools to create professional-sounding audio on a schedule and budget that suit their needs.

The intelligent Find-and-Fix and noise reduction features perfect the sound. Multitake recording, Match EQ, and pitch shift facilitate voiceovers that are more professional and accurate sounding. And the more than 5000 included sound effect and music Apple Loops provide a vast creative palette for adding music and effects to soundtracks.

## Audio Post-Production Professionals

Professional audio post-production editors and engineers can use Soundtrack Pro in conjunction with their primary digital audio workstation (DAW) to complete many specialized tasks. Editors often deal with large quantities of audio files that all need similar preprocessing before being brought into a DAW. AppleScript capabilities let Soundtrack Pro users create droplets that can quickly process hundreds of audio files automatically.

The Waveform Editor in Soundtrack Pro is revolutionary in its ability to creatively manipulate audio in a focused environment. All edits are nondestructive until the user decides to write a new file, which can then be used within the primary DAW.

## Music Producers

Music producers often design their own sounds for use in samplers or as drum loop beds. Not happy with using prepackaged content, they want to create and manipulate original sounds for their musical productions.

The Waveform Editor with nondestructive processing and Action layering provides a perfect method for manipulating and enhancing audio samples to sound new and different. The more than 50 professional effect plug-ins from Logic Pro are also essential to this music sound design.

## Post-Production Sound Designers for Film and Video

Sound designers for film and video need ways to create and manipulate new, high-quality, realistic sound effects. The Action-based Waveform Editor in Soundtrack Pro lets these demanding professional sound designers try out totally new ways of manipulating a sound with the many professional effect plug-ins, third-party Audio Units plug-ins, or any of the creative processing functions. Layering, reordering, adding, and suspending processes, edits, and effects in a nondestructive, real-time interface is a liberatingly creative and responsive experience.

# Technical Specifications

## Precise Audio Control

- Nondestructive, sample-accurate editing of mono and stereo audio files
- Action-based editing to modify, reorder, suspend, or delete any audio edit, plug-in, or process
- Plug-ins and Audio Units plug-ins can be applied to supported audio files as Actions
- Plug-ins and Audio Units plug-ins can be applied to supported audio files as real-time effect chains
- Real-time effects applied to audio files can be bounced to Actions
- Intelligent analysis, repair, and restoration functions for:
  - Clicks and pops
  - Power line hum
  - DC offset
  - Phase
  - Clipped signal
  - Silence
- Audio time stretching without affecting pitch
- Ambient Noise Print to quickly replace unwanted noises from live recordings
- Background Noise Removal including noise print
- Sample ruler units in sample value, normalized, percent, and decibel view
- Snapping to ruler ticks, zero crossings, and markers
- Support for bit depths up to 32-bit float
- Support for sample rates from 2kHz to 192kHz
- AIFF, WAV, MP3, SDII, NeXT, QuickTime, and STAP (Soundtrack Audio Project) file playback support
- Export files nondestructively as STAP files or destructively as AIFF, WAV, SDII, or NeXT files
- Selection history
- Waveform and frequency spectrum views with linear and logarithmic display
- Animated waveform feedback
- Mini waveform view

## Advanced Sound Design

- More than 50 professional effect plug-ins, including:

### **Dynamics**

- Adaptive Limiter
- Compressor
- DeEsser
- Expander
- Limiter
- Multipressor
- Noise Gate

### **Distortion**

- Bitcrusher
- Clip Distortion
- Distortion
- Distortion II
- Exciter
- Overdrive
- Phase Distortion

### **EQ and Filter**

- AutoFilter
- Channel EQ
- Fat EQ
- High Cut
- High Pass Filter
- High Shelving EQ
- Linear Phase EQ
- Low Cut
- Low Pass Filter
- Low Shelving EQ
- Match EQ
- Parametric EQ
- Soundtrack Pro AutoFilter

### **Modulation**

- Chorus
- Ensemble
- Flanger
- Modulation Delay
- Phaser
- Scanner Vibrato
- Tremolo

### **Reverb/Delay**

- PlatinumVerb
- Soundtrack Pro Reverb
- Space Designer Convolution Reverb
- Stereo Delay
- Tape Delay

### Miscellaneous

- Denoiser
- Gain
- Pitch Shifter II
- Ringshifter
- Spectral Gate
- Stereo Spread
- SubBass
- Vocal Transform
- Sound design processes including:
  - Amplitude Adjust
  - Fade In/Fade Out
  - Generate silence, white noise, pink noise, sine wave, sawtooth wave, square wave, or triangle wave
  - Invert
  - Mono Conversion
  - Normalize
  - Resample
  - Silence
  - Swap Channels
- Support for Audio Units plug-ins
- Audio Units presets available to all Audio Units-compatible applications
- More than 5000 Apple Loops including over 1000 sound effects
- Powerful search engine
- Support for Apple Loops, AIFF, WAV, MP3, and ACID sound and music libraries

### Comprehensive Audio Toolset

- Multitrack timeline with tracks, busses, and outputs
- Multiple multitrack and audio file projects open at once
- Mixed sample rates supported in multitrack projects
- Time- or beat-based tracks
- Time and beat rulers
- Time ruler in HH:MM:SS, seconds, samples, frames, drop frame, non-drop frame
- Loop clip transposition
- Loop clip speed adjustments (quadruple, double, normal, half, quarter)
- Adjustable automatic or manual crossfades
- Momentary mono switch
- Automatable master tempo and key
- Console-style mixer interface
- Control surface support (Mackie control protocol)
- Resizable video window
- Powerful browser for locating content quickly
- Automation of most mix and effect parameters with read, touch, and latch modes
- Pre- and post-fader send busses for application of common effect plug-ins to multiple tracks
- Output bussing for single-fader control of multiple tracks
- Support for multichannel audio output devices
- Beat, time, and end-of-song markers
- Multitake recording with take selection in multitrack Timeline
- Customizable window layouts

## Integrated Workflow

- AppleScript scriptable and recordable (executable from Soundtrack Pro, Final Cut Pro 5, or as AppleScript droplets for batch processing)
- Automator actions for creation of complex multiapplication workflows (Mac OS X v10.4)
- Support for video formats up to HD resolutions
- Integrated video tab in multitrack and waveform views
- Output to SD and HD<sup>1</sup> video monitors via FireWire or PCI card
- HD<sup>1</sup> or SD output using Digital Cinema Desktop<sup>2</sup> to second Apple Cinema Display
- Send and receive MIDI timecode and beat clock for synchronization with hardware and software
- Integration with Final Cut Pro 5, DVD Studio Pro 4, and Motion 2
- Round-trip audio file editing with Final Cut Pro 5 and Motion 2
- Support for Final Cut Pro scoring markers

# Product Details

## Pricing and Availability

The U.S. retail price of Soundtrack Pro is \$299. Special pricing for owners of Soundtrack 1.x is available for \$99. Contact your authorized Apple representative for education prices.

Soundtrack Pro is available worldwide in English, French, German, and Japanese languages. It can be purchased through the Apple Store online ([www.apple.com/store](http://www.apple.com/store)), Apple Authorized Resellers, and Apple retail stores.

### Ordering information

- Soundtrack Pro full version (M9904Z/A)
- Special pricing for Soundtrack 1.x owners (M9905Z/A)

## System Requirements

Soundtrack Pro takes advantage of the Power Mac G5 to deliver highly interactive, real-time performance. Some systems provide greater interactivity than others, and it is important to choose the right system for your needs. Performance depends on the processor speed, the amount of RAM, and the graphics subsystem.

- A Macintosh computer with a PowerPC G4 or G5 processor (450MHz or faster dual processors or 500MHz or faster single processor; 733MHz or faster recommended)
- 512MB of RAM (1GB recommended)
- Mac OS X v10.3.9 or later
- QuickTime 7 or later
- AGP graphics card
- Display with 1024-by-768 or higher resolution (1280-by-1024 resolution recommended)
- CD or DVD drive for installation of application; DVD drive for installation of included Apple Loops
- 500MB of available disk space for application installation; 8GB for installation of all Soundtrack Pro content (may be installed on separate disks)

## Support

Soundtrack Pro comes with 90 days of toll-free telephone support for installation, launch, and basic troubleshooting. In addition, Apple offers a range of professional support options, including AppleCare Professional Video Support.

### **AppleCare Professional Video Support**

AppleCare Professional Video Support can help you keep your project running smoothly, whether you are editing HD video, designing motion graphics, or authoring custom DVDs.<sup>3</sup> With this product, one authorized contact can call<sup>4</sup> or email<sup>5</sup> the Apple Professional Video Technical Support team for one full year. Apple's support team is on call 12 hours a day, 7 days a week. These experts provide one-stop support for Final Cut Pro, Final Cut Pro HD, Motion, DVD Studio Pro, and Soundtrack Pro. Also included is troubleshooting for Apple hardware and for interconnectivity between your Mac or Xserve and an Xserve RAID,<sup>6</sup> as well as assistance with DV, SD, and HD video input/output over FireWire. For more information or to purchase support, visit [www.apple.com/support/products/provideo](http://www.apple.com/support/products/provideo).

<sup>1</sup>HD features require a Power Mac with 1GHz or faster single or dual processors and 1GB of RAM. <sup>2</sup>Digital Cinema Desktop requires a dual port AGP card with second display. <sup>3</sup>Details of support coverage and eligible Apple technologies are described under the terms and conditions at [www.apple.com/support/products/provideo](http://www.apple.com/support/products/provideo). <sup>4</sup>Telephone numbers and hours of operation may vary and are subject to change; local telephone fees may apply. <sup>5</sup>Access to web-based resources requires the use of a compatible Internet service provider; fees may apply. <sup>6</sup>Hardware repairs that are not covered under warranty require an extended service contract, such as the AppleCare Protection Plan.