

Adobe® Audition® CS6

Sound your best

Edit with greater precision, complete projects faster, and do more with audio than you ever thought possible with Adobe Audition CS6 software. A high-performance, cross-platform editor that streamlines editing, mixing, and sound design for video, radio, games, and more, Adobe Audition CS6 anticipates the demands of today's professional audio workflows and lets you exceed expectations, whether you're a seasoned pro or just getting started.

Adobe Audition CS6 provides an intuitive all-in-one audio editing and mixing environment that's designed for video and broadcast workflows, delivering roundtrip editing with Adobe Premiere® Pro software and smooth project exchange with third-party nonlinear editors (NLEs) and digital audio workstations (DAWs). Built on an extremely high-powered audio engine, Adobe Audition CS6 offers new features for editing and sound design, such as real-time clip stretching, automatic speech alignment, and automatic pitch correction, while expanding your production capacity with control surface support, recordable track automation, multiple clipboards, HD video playback, native 5.1 surround editing, and some of the best audio sweetening and restoration tools on the market. Building on the power of past releases, Adobe Audition CS6 offers broader support for audio and video formats and increased output options including Redbook CD burning and compliance with the latest ITU loudness standards. New features for industry-standard metadata, including AES-46 Cart Chunk, facilitate integration into radio automation systems and other broadcast workflows.

With uncompromising audio quality and an intuitive user interface, Adobe Audition CS6 lets you handle even the toughest audio editing tasks quickly, to speed up your entire production workflow—without changing the way you like to work.



Many of the timesaving enhancements in Adobe Audition CS6 are easy to spot at a glance: **1** The Markers panel with Show All Files view and the Quick Search field. **2** Skip Selection playback. **3** Recordable automation lane with multiple parameters automated. **4** Real-time clip stretching, with the percentage of time increase displayed on the clip. **5** The Media Browser panel. **6** Playback of HD video without transcoding, depending on system. **7** Grouped clips, with each group assigned a different color. **8** New and updated effects. Read about these and other new features on the following pages.

Top new features

- Faster, more precise audio editing (Page 2)
- Real-time clip stretching (Page 4)
- Automatic speech alignment (Page 4)
- Control surface and app support with parameter automation (Page 4)
- Powerful pitch controls (Page 5)
- Improved asset management (Page 6)
- Expanded audio and video formats (Page 6)
- Enhanced support for radio automation (Page 7)
- Improved batch processing (Page 7)
- Metronome (Page 7)

With Adobe Audition CS6, you can:

Edit audio precisely and complete projects quickly. Manage files efficiently with the Media Browser, and preview clips in the Files panel. Using the Waveform Editor, make sample-accurate edits and apply powerful effects such as the Graphic Phase Shifter and Doppler Shifter, and preview cuts with Skip Selection. Edit visually in the Spectral Frequency Display, using tools similar to those in Adobe Photoshop software to remove sounds with surgical precision, and correct pitch in the Spectral Pitch Display. Mix projects of any size quickly in Multitrack View, working on grouped clips or individual clips using new tools such as real-time clip stretching, automatic speech alignment, and Trim To Selection. Spot clips accurately with the expanded Clip Properties panel, and automate entire mixes with parameter automation and control surface support. Put the final touches on track levels, panning, EQ, and effects using the intuitive fader controls in the Mixer View.

Import, play, and deliver a broad range of audio and video formats. Import and play back audio formats such as HE-AAC and MPEG-1 Audio Layer II (MP2) and video formats such as MOV, AVI, and MP4, and many more. Export, convert, or mix down sessions and files to a broad range of audio formats including FLAC, Ogg, and A-Law and μ -Law compressed files. Improve spotting sessions with playback of HD video with a wider range of frame rates. Employ ITU BS.1770-2 file-based loudness measurements to help you comply with ATSC A/85 and EBU R 128 recommendations. Import track names from CDs, save clips quickly to CD, and burn Redbook audio CDs.

Fix audio problems quickly with superior analysis and noise reduction. Automatically detect and fix common flaws such as hiss, hum, phase problems, crackling, and pops. Match the dialogue volume in a single audio file or across multiple clips. Find and eliminate clipped samples before they cause problems in your mix. Remove unwanted sounds individually in the Spectral Frequency Display while leaving other frequencies and adjacent audio untouched.

Integrate into video and broadcast workflows using roundtrip editing with Adobe Premiere Pro and project exchange with other NLEs and popular DAWs. Roundtrip editing with Adobe Premiere Pro makes Adobe Audition CS6 the perfect audio editor for broadcast and video work. OMF import and export facilitates sharing sessions with third-party DAWs, and via FCP7 XML import, you can exchange sessions with third-party NLEs. XMP metadata support enables integrated workflows with radio automation systems.

Who uses Adobe Audition?

Audio engineers and broadcast editors use Adobe Audition to record voice-overs, create soundtracks, and enhance audio for broadcast. The Multitrack Editor and Mixer provide engineers with a familiar interface they can use to solve audio problems quickly. Even recording and mixing entire multitrack projects from scratch is an easier task with Adobe Audition, with on-clip volume keyframes and fades, control surface support, and the new modeless Effects Rack.

Video editors and other video professionals use Adobe Audition to create, edit, and enhance audio for video and film productions. With the benefits of a familiar timeline-based interface and roundtrip editing with Adobe Premiere Pro, Adobe Audition makes it easy for video editors to fix problematic production dialogue, align ADR dialogue, do sound design, and polish soundtracks. Clearly labeled restoration effects facilitate typical edits such as removing unwanted noise and matching unequal dialogue volume levels. Production teams exchange Avid Pro Tools sessions with Adobe Audition using built-in OMF import and export functions, and share files with other video NLEs.

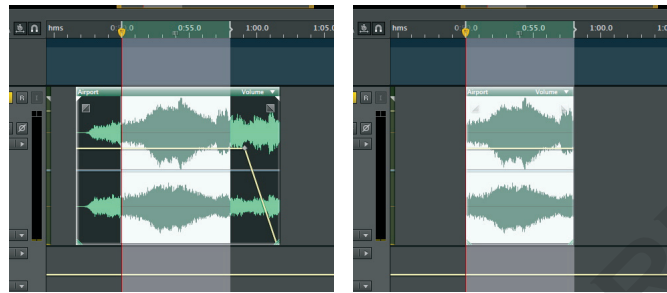
Top new features of Adobe Audition CS6

Faster, more precise audio editing

Adobe Audition CS6 features dozens of timesaving audio editing enhancements, including clip grouping with Group Suspend, preview edits with Skip Selection playback mode, new precise entry of envelope keyframe values, and fast clip spotting with start- or end-time entry. Here are some of the top new editing features.

Clip Grouping. Group contiguous or discontinuous clips in a single track, or across multiple tracks in the Multitrack Editor. Grouping is as easy as clicking on the clips you want; all clips in the new group take on a new group color. Once grouped, you can move and mute all the clips together, and when Group Stretching is enabled, you can manually stretch them in time as though they were a single large clip. Easily suspend groupings to make edits to individual groups, and then quickly reapply the grouping. If you need to work on a single clip but want to preserve the grouping, the Remove Focus Clip From Group command takes the one clip you're working on out of the group without messing up the grouping of the other clips.

Trim To Time Selection. Using the Trim To Time Selection command, you can instantly trim clips precisely to match a region selected with the Time Selection tool. Trim clips individually, or trim any clips in a group that fall within the time selection. This can save a lot of time when spotting or when adapting a soundtrack or dialogue to conform to new edits in a scene.



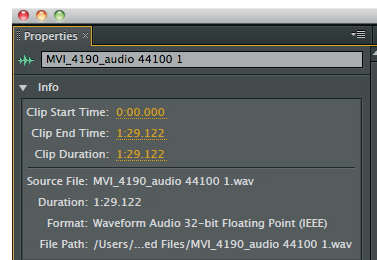
Trim To Time Selection works in Multitrack Edit mode over any clips—and clip groups—that are selected within the selection area in your multitrack mix. Far left: Before trimming. Near left: After trimming.

Edit preview with Skip Selection. Get an idea of how cuts sound before you commit to them using the Skip Selection feature. When enabled, Skip Selection bypasses all selected audio on playback, which lets you hear exactly how the edit will sound once you've made the actual cuts. In the Waveform Editor or the Multitrack Editor, just click on the Skip Selection button next to the transport controls.

Envelope Keyframe editing. Control track effects and settings with extraordinary precision with Envelope Keyframe editing. Each track in the Multitrack Editor has an automation lane, in which you can display envelopes for Volume, Pan, Muting, and EQ settings. In addition, you have envelopes for control of the Effects Rack itself, including input and output level, wet/dry mix, and even power on/off; this works with third-party VST3, VST, and Audio Unit effects as well as built-in effects. Any enabled track effects also have envelopes for all automatable parameters. To edit envelopes, just click at the point at which you want to make a change, and drag the keyframe; the value of the particular parameter appears in a convenient contextual display as you drag.

Direct clip editing in Properties panel. The Properties panel is enhanced in Adobe Audition CS6 to allow you to enter start and end times for individual clips, which lets you achieve precise timing adjustments. Also available in the Properties panel are stretch and pitch parameters for each clip, including a Varispeed setting.

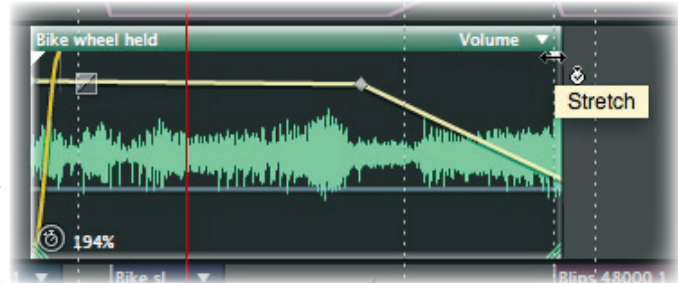
Multiple clipboards. You can save material that you need to access repeatedly on individual clipboards, such as 2-pops, ambiences, and legal disclaimers; when you need to paste a particular item, it's readily available to you.



Real-time clip stretching

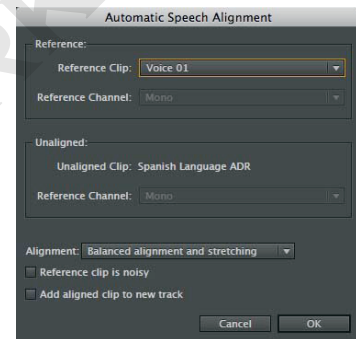
Now you can drag clips to match the length you need instantly. With Stretch mode enabled, you can stretch or compress clips in real time during playback, and immediately hear the results. Just click the Stretch triangle in the upper right corner of a clip, and drag. Three modes of stretch are available: Monophonic is for single-note melodies on isolated instruments or spoken word, polyphonic is for material with multiple instruments or sound sources in it, and Varispeed allows you to adjust the pitch as you stretch or compress, just like speeding up or slowing down a tape player. A high-quality Rendered mode lets you achieve the optimal sound quality once you've stretched a clip to the desired length.

Real-time clip stretching can speed up projects tremendously. Just grab the upper right corner of a clip; the Stretch arrow and watch appear to confirm you're in stretch mode. Audio playback continues as you stretch, and the percentage of increase or decrease displays in the lower left corner of the clip.

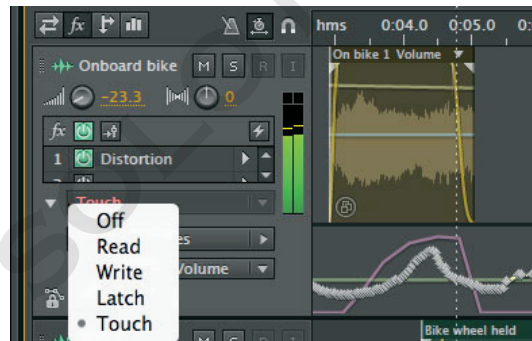


Automatic speech alignment

Designed to align overdub dialogue quickly with existing production audio, the new automatic speech alignment feature does much more than merely align initial transients. When used on overdubbed dialogue, Adobe Audition analyzes the frequency spectrum involved as well as the waveforms, so each word of a dialogue clip is matched to its counterpart in the production audio—even if the production audio is noisy. Clips don't have to be of precisely equal lengths for excellent results.



Control surface and app support with parameter automation



Adobe Audition CS6 has a full range of parameter automation modes to facilitate working with hardware control surfaces. In the Multitrack Edit view, for example, you can see multiple parameters with keyframe edits in the automation lane.

You can mix audio interactively in Adobe Audition CS6 using a wide range of hardware and software controllers. Craft your mix using many of the most popular hardware control surfaces in the industry, including the Avid Artist series (formerly Euphonix), and the Mackie[®] MCU series. Several third-party iOS and Android app controllers that utilize the Mackie MCU protocol are also available.

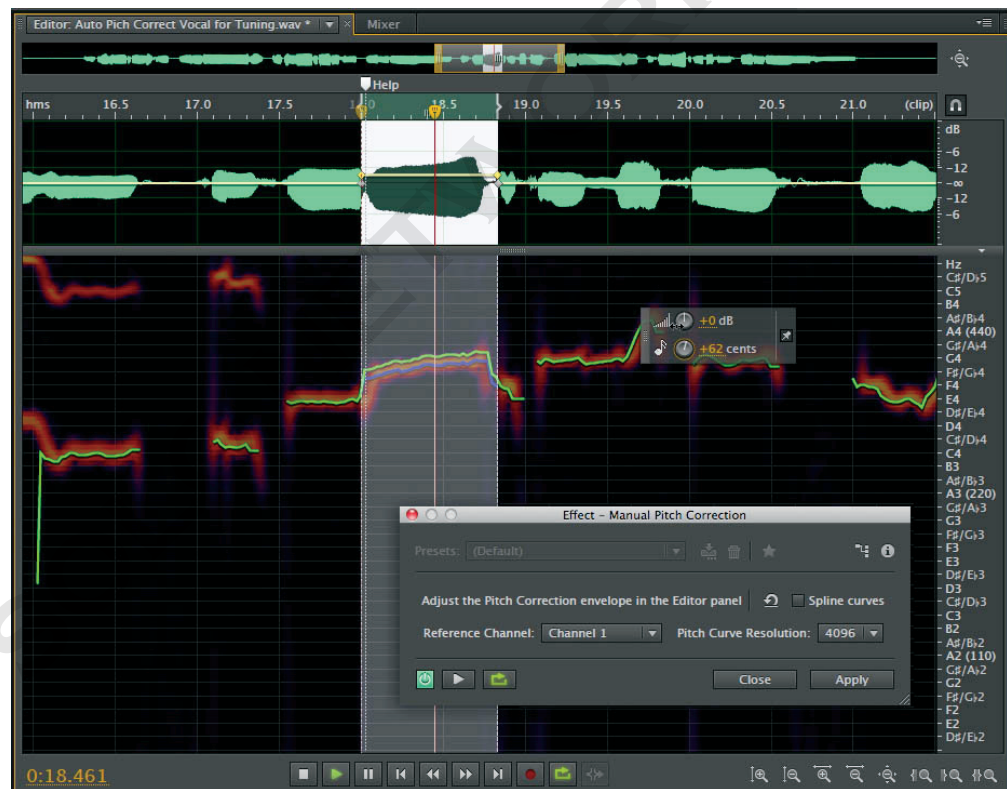
Adobe Audition CS6 also supports the full range of standard automation recording modes (write, latch, and touch). Adjust levels, panning, and track effect parameters with greater precision than ever before with

improved keyframe editing. Editing and mixing your project just got a whole lot easier.

Powerful pitch controls

Get precise control of pitch with the new automatic and manual pitch control features, or manipulate audio in new ways for innovative sound design possibilities. Automatic Pitch Correction is a real-time effect in both Waveform and Multitrack views, and as a track effect, its parameters are automatable and controllable from external control surfaces. Make audio conform to major, minor, or chromatic scale types, with selectable tonic pitch. Base pitch can be tuned up or down in Hz from A=440 Hz, which gives you tremendous control for matching clips that were recorded at different pitches.

Manual Pitch Correction is available in Waveform Edit mode. Enabling it opens up the new Spectral Pitch Display, which automatically analyzes the fundamental frequency of all of the sounds in a clip, whether it's a melody played on an instrument, a phrase sung by a voice, a percussion instrument, or spoken dialogue. The Spectral Pitch Display enhances the appearance of the fundamental frequencies of a waveform, and Manual Pitch Correction overlays brightly colored lines on top of analyzed fundamentals. When you select any portion of the clip, the heads-up display appears with controls for volume and pitch. Tweak the pitch control, and, in addition to hearing the change, you can visually determine how much you've changed the pitch by comparing the position of the fundamentals with that of the colored lines. It works on whole clips, portions of clips, or even individual notes, opening the door to tremendous creative possibilities as well as routine pitch-fixing work.

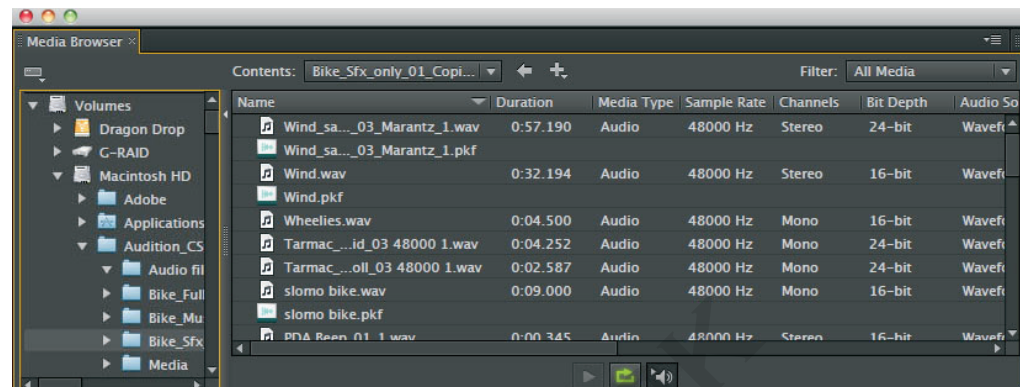


Pitch correction on individual notes is made easier in the new Spectral Pitch Display. Here we've selected a single note, and using the heads-up display knob for pitch, moved the note up a few cents (green line). You can see the original pitch level in purple. On the right of the Pitch Display, the vertical ruler displays pitch names; you can change the vertical resolution, toggle the display between linear or logarithmic, or change the display units to Hertz.

Improved asset management

Save time on every project with new features that help you work more efficiently by making it easier to find the files you need.

Media Browser. View files on your local and networked drives with the Media Browser panel. View specs and metadata, filter what media is displayed, and quickly access your subfolders. Drag files from the Media Browser directly into the Files panel or into a multitrack session. Preview audio tracks on video clips as well as audio files, and loop playback so you can catch the details.



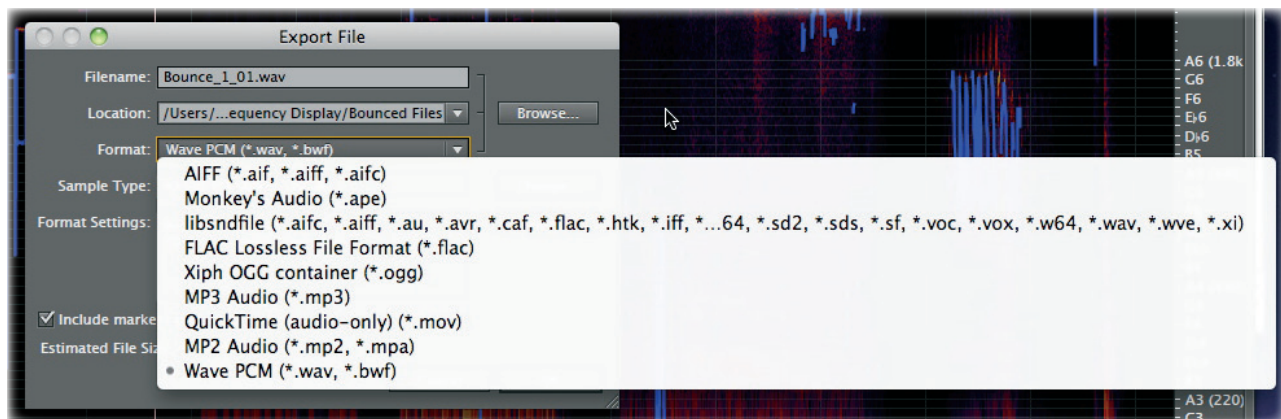
Files panel. The new Quick Search field lets you find files fast just by typing in a portion of the filename. Preview audio files before you edit them or insert them into your multitrack sessions. Loop playback for extended previewing.

Markers panel. Several new features make the Markers panel a more powerful production tool. View all markers on all files in your session in one window with the Show Markers Of All Files mode. Insert a selection of range markers into a playlist for quick arrangements, or export selected range markers to separate audio files. Quickly create a new multitrack session with subclips by selecting marker ranges and using the Insert Into Multitrack command.

Session files. Create session templates that speed up recurring projects requiring similar settings and tasks. Save sessions with their source files, including video, markers, and metadata; or convert files to a different format upon save. Include full source files or the files trimmed to marker length.

Expanded audio and video formats

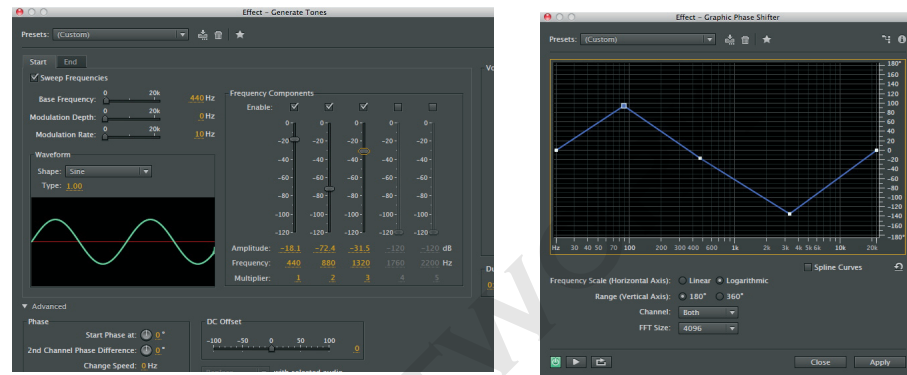
Adobe Audition has long been the go-to application for working with the widest variety of file formats, including QuickTime, AVI, and H.264 video files as well as MPEG-1 Audio Layer II (MP2) files. Import and play HD video in a variety of frame rates, including 23.976, 24, 25, 29.97 ND/DF, 30, and 59.94 ND/DF fps. Export now includes FLAC, Ogg, MPEG-1 Audio Layer II (MP2), and A-Law and μ -Law compressed files. Options for burning individual files to Redbook audio CDs help add to your production efficiency.



New effects, VST3 support, and flexible effects routing

Effects have always been a strong suit for Adobe Audition, and now they're even more powerful. New effects channel routing improves plug-in compatibility, allows for easy setup of up/down mix plug-ins, and gives you control over the signal flow through your effects chain. Under the hood, new out-of-process effects scanning improves performance and protects the application from third-party plug-in crashes.

Adobe Audition CS6 reintroduces several popular and useful effects. Generate Tones lets you select a waveform, add harmonics, create a sweep, adjust phase, and make DC offset adjustments to create tones that are as great for sound design as they are for testing purposes. Doppler Shifter provides powerful stereo imaging control and lets you create the effect of a sound passing the listener, or even swirling around them. Graphic Phase Shifter gives you pinpoint control of the degree of phase of every part of the frequency spectrum of a sound. Notch Filter gives you a graphic interface with which to apply notch filters to sounds—great for extreme EQ effects and generating wacky resonances. Side-chaining is now enabled for the Dynamics Processing effect and appropriate third-party effects, as well.



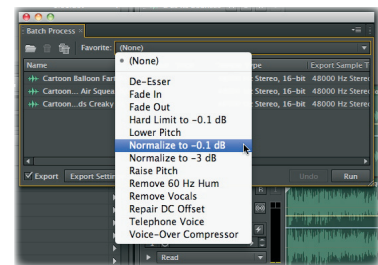
Generate Tones (left) gives you a selection of waveforms and harmonics with which to generate tones, as well as a very useful sweep option. The Graphic Phase Shifter (right) gives you control over the phase of every part of the frequency spectrum, without modifying the amplitude.

Enhanced support for radio automation

Adobe Audition CS6 is ideal for use in radio workflows, with enhanced support for radio automation systems including streamlined "Radio Industry" view of RIFF metadata, AES-46 Cart Chunk, and MPEG-1 Audio Layer II (MP2) support. Audition CS6 also includes many editing enhancements that make it easier to meet radio's fast-turn deadlines, such as the ability to preview edits by skipping selections, new options for grouping clips, session templates, and more.

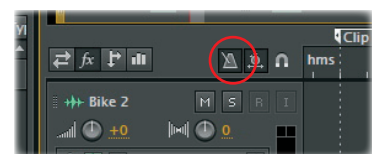
Improved batch processing

Streamline your workflow with an improved batch processing panel that gives you new options and flexibility, such as the ability to convert files to new formats or sample rates and apply favorites at any time, not only at export. Create your own prefix and suffix naming tags or use name templates to quickly generate filenames that conform to your needs. Match Volume has been similarly upgraded, with file naming added to the options available in its convenient drag-and-drop operation.



Metronome

What clicks with you? The new metronome. Start it and configure it from the Multitrack menu or from the session's Properties panel; change the sounds, change the pattern. The Metronome Accent Pattern dialog box gives you control over how the pattern sounds, and can also select different sounds for the pattern.



Activate the metronome with the convenient toggle button above the track headers in the Multitrack editor.

Still using Adobe Audition 3?

Adobe Audition CS6 is an audio editing powerhouse for Mac and Windows. With a high-performance audio engine and features that are optimized for video and broadcast workflows, Adobe Audition CS6 gives you the tools you need to make your audio sound its best. Best-of-breed audio restoration tools make it easy to clean up production audio. Dozens of enhancements let you edit with greater speed and precision, integrate with Adobe Premiere Pro, work natively with 5.1 surround projects, and much more. With the essential tools you rely on for fast-turn projects on the Mac and PC, Adobe Audition CS6 brings new efficiency and flexibility to your audio post-production workflows. Here's what you get when you upgrade:

- **Improved audio playback engine and cross-platform support.** Increased speed, performance, and quality means increased productivity. Use Adobe Audition on Mac OS or Windows.
- **Faster, more precise editing.** Dozens of new enhancements accelerate your workflow, such as real-time clip stretching, Automatic Speech Alignment, Automatic and Manual Pitch Correction, Skip Selection edit preview, View Markers For All Files in the Markers panel, and more.
- **Dozens of user-requested improvements.** CD burning, clip grouping, parameter automation, multiple clipboards, tone generation, the metronome, and many more favorite features have been brought back in Adobe Audition CS6.
- **Roundtrip editing with Adobe Premiere Pro.** Ramp up your productivity with fast, efficient roundtrip editing between Adobe Audition CS6 and Adobe Premiere Pro CS6.
- **File exchange with other NLEs and DAWs.** As a cross-platform tool with OMF and XML Interchange compatibility, Adobe Audition can save and import project files to and from NLEs and other DAWs.
- **Native multichannel support (5.1 surround).** Work with multichannel projects, creating entire surround soundtracks or polishing up 5.1 audio.

Are you new to Adobe Audition?

You may not be familiar with many of the unique capabilities Adobe Audition CS6 offers. Long considered an indispensable tool of audio engineers, Adobe Audition is well known for its ability to handle the broadest range of audio production tasks, and to do it quickly. Familiar tools for multitrack recording, editing, and mixing are paired with workflow flexibility and performance optimized for the broadcast and video industries. Here are a few of the main reasons Adobe Audition is the go-to tool for audio professionals:

- **Superior audio restoration.** From removing occasional clicks to fixing disastrous digital distortion, trimming silence to removing hiss embedded in a waveform—even making unusable dialogue usable again—Adobe Audition provides audio restoration tools that are second to none.
- **Complete multitrack recording, nondestructive editing, and mixing.** The Multitrack Editor provides an easy-to-configure user interface to create entire multitrack mixes, with click-and-drag level changes, fades, cross-fades, and time stretching; easy management of audio and video files; parameter automation and control surface support—for both hardware and iOS and Android app-based controllers—and more.
- **Professional audio effects.** From essential signal processing such as compression and limiting to convolution reverb, wacky guitar effects, and lo-fi effects, plus the new Automatic and Manual Pitch Correction, Doppler Shifter, Adobe Audition has a robust selection of audio manipulation tools for creative sound design. Flexible effects routing and support for VST3, VST, and Mac Audio Units formats mean you can add more options from third-party developers.

- **Integration with Adobe Premiere Pro and file exchange with NLEs and DAWs.** Adobe Audition CS6 is designed from the ground up to integrate into video and broadcast workflows. Roundtrip editing with Adobe Premiere Pro makes Adobe Audition an essential tool for all videographers. Move sessions between Adobe Audition and Avid Pro Tools using built-in OMF import and export functions in Adobe Audition. Share files with Apple Final Cut Pro and other NLEs via FCP7 XML.

About Adobe Systems Incorporated

Adobe is changing the world through digital experiences. For more information, visit www.adobe.com.

System requirements

Windows*

- Intel® Core™2 Duo or AMD Phenom™ II processor
- Microsoft® Windows® XP with Service Pack 3 or Windows 7 with Service Pack 1 (32 bit or 64 bit)
- 1GB of RAM; 2GB for HDV and HD playback
- 2GB of available hard-disk space for installation; plus additional free space required during installation (cannot install on removable flash storage devices)
- 1280x800 display
- OpenGL 2.0-capable graphics card
- Sound card compatible with ASIO protocol or Microsoft WDM/MME
- DVD-ROM drive for installation from DVD media
- QuickTime 7.6.6 software required for QuickTime features
- USB interface and/or MIDI interface may be required for external control surface support (see manufacturer's specifications for your device)
- Optional: Optical drive for CD burning

This software will not operate without activation. Broadband Internet connection and registration are required for software activation, validation of subscriptions, and access to online services.* Phone activation is not available.

For updates to system requirements and more detailed information about video hardware compatibility, visit www.adobe.com/go/audition_systemreqs.

Mac OS

- Multicore Intel® processor
- Mac OS X v10.6.8 or v10.7
- 1GB of RAM; 2GB for HDV and HD playback
- 2GB of available hard-disk space for installation; additional free space required during installation (cannot install on a volume that uses a case-sensitive file system or on removable flash storage devices)
- 1280x800 display
- OpenGL 2.0-capable system; optional GPU for optimum video playback performance
- DVD-ROM drive for installation from DVD media
- QuickTime 7.6.6 software required for QuickTime features
- USB interface and/or MIDI interface may be required for external control surface support (see manufacturer's specifications for your device)
- Optional: Optical drive for CD burning (SuperDrive recommended)

This software will not operate without activation. Broadband Internet connection and registration are required for software activation, validation of subscriptions, and access to online services.* Phone activation is not available.

For updates to system requirements and more detailed information about video hardware compatibility, visit www.adobe.com/go/audition_systemreqs.

Expected release date

Second quarter 2012

For more information

www.adobe.com/audition



Adobe

Adobe Systems Incorporated
345 Park Avenue
San Jose, CA 95110-2704
USA
www.adobe.com

Adobe, the Adobe logo, Adobe Audition, Adobe Muse, Adobe Premiere, After Effects, Creative Cloud, the Creative Cloud logo, Creative Suite, Encore, Photoshop, Prelude, and SpeedGrade are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. AMD Phenom is a registered trademark of Advanced Micro Devices, Inc. Android is a trademark of Google, Inc. Mac, Mac OS, Macintosh, and iPad are trademarks of Apple Inc., registered in the United States and other countries. QuickTime is a trademark used under license. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Intel and Core are trademarks of Intel Corporation in the U.S. and other countries. Hot Wheels and the Flame Logo are trademarks of Mattel, Inc., registered in the United States and other countries. All other trademarks are the property of their respective owners.

© 2012 Adobe Systems Incorporated. All rights reserved.