

General Features

- Real-time processing with 32-bit Floating Point accuracy
- ASIO, WDM and MME driver support
- Support for 8-, 16-, 20-, 24-, 32-bit files with up to 192 kHz resolution
- Support for WAV, AIFF, AU, Ensoniq Paris 24 bit, Sound Designer II, Ulaw, MP3, MP2 (M.U.S.I.C.A.M.), WMA, AVI Audio, Sun/Java etc.
- Support of Redbook Audio CD and DVD Audio
- Proprietary file format: OSQ for loss-less compression of audio files for archiving
- Apogee UV22 HR Dithering
- Save while work: simultaneous saving of multiple audio files in background
- Full featured recording with up to eight audio channels
- Master section with up to eight audio channels and support for surround plugins
- Professional database for audio files
- Audio file comparison and analysis
- Batch Processing with Plug-Ins
- MTC Synchronization
- Sampler support for all industry-standard samplers
- Programmable screen layouts
- Instant, unlimited Undo /Redo
- Specifically optimized for Pentium IV, Pentium III, Pentium II, Pentium MMX
- Various loop and crossfade tools
- Telephony applications (DTMF generator and more)

Real-time Effects and Functions

- Real-time analysis of audio signals: Level / Pan, Phase, 60-band Spectrum Analyzer, FFT-Meter, Wave, Bit-Meter (all with up to eight audio channels)
- NaturalVerb
- Q (parametric 4 band mastering EQ)
- Multiband Compressor
- Spectralizer (Enhancer), Denoiser, Declicker
- Voice Attenuator
- 192 kHz Resampler
- Puncher
- Reverb / Echo / Chorus
- Autopanner, Stereo Expander
- Externalizer (loudspeaker simulation for headphones)
- Leveler / Peak Master
- Noise-gate
- Ducking Tool for voice-over automation
- VST Dynamics (Gate, Leveler, Compressor, Soft Clip, Limiter)

Audio-Montage Features

- Innovative, clip-oriented editing system with outstanding performance
- Support for any output configuration from mono to eight channels, including all standard surround formats
- Direct import of split and interleaved surround files into separate tracks
- Clips can be processed with up to 10 virtual effects
- Track-based effects with up to 10 virtual effects
- Track volume control and surround panner with automation
- Track level meter
- Any number of clips can be placed on any number of different tracks
- Superimposing two clips automatically generates a crossfade in real time
- A variety of preset fades are included: exponential/ logarithmic/ sinus / square root
- Unique technology for intelligent overlapping and positioning of clips to avoid phase cancellation
- Volume and panning can be automated for each clip
- Smart video thumbnail track with video playback within the track – plus video tab for larger playback view
- New picture and realtime text tracks

Off-Line Effects and Functions

- Time Stretching, Pitch Shifting, Pitch Bend
- Automatic pitch recognition and pitch adjustment
- Autosplit function: audio files can be divided based on various criteria
- Harmonization, Chorus
- Compressor, Limiter, Gate
- Normalizer, Meta Normalizer, DC Remover
- 3D FFT
- WMA Pro export (incl. 5.1 and 7.1 surround)
- Compatible with XSend/XReceive for audio file exchange with video applications
- Drag & Drop file support

CD Burning

- Full Red-book compatible CD burning with enhanced CD burner support
- On-the-fly CD burning including all Plug-Ins
- CD Wizard enables the creation of an entire Red-book CD with just a few mouse clicks within the Audio-Montage
- Individual clips in the Audio-Montage can be defined as CD tracks and burnt directly to CD
- Label Editor to create custom labels and CD covers
- Backup tool: storage of projects and data on CDs or other media
- Audio-in-pause, CD-text support, CD Image import/export, Cue Sheet import/export
- Data and mixed mode CD burning, ISO image support

DVD Audio Authoring

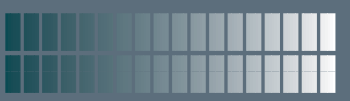
- Full DVD Audio support including high resolution stereo and surround formats (all channel modes defined in the DVD Audio specification are supported)
- 16-bit and 24-bit resolution with up to 192 kHz sampling rate. WaveLab can create DVD-A disks up to "stereo, 24 bit, 192kHz" and "5.1, 24 bit, 48kHz", and "5.1, 16 bit, 96kHz"
- High resolution surround support with up to 24-bit and 48 kHz for all six channels (24-bit/96 kHz 6-channel surround requires MLP encoding – currently not supported by WaveLab 5)
- DVD Audio creation directly from Audio Montage
- Instant non-destructive and reversible transformation from CD project to DVD-A project
- Support for DVD real-time text and static text, still images, slideshows, and graphic menus
- Support for ISRC and UPC/EAN codes
- Automatic creation of menus
- Support for gapless playback, audio-inpause, hidden "bonus" tracks
- DVD Audio grabber (for unprotected DVD-A only)
- Support of DVD-R/RW, DVD+R/RW and DVD-RAM drives
- Ability to import and burn DVD Video content
- Support for additional data content
- Supports up to 9 Groups with up to 99 tracks each
- Track sub-index support
- User-defined down-mix coefficients from surround to stereo with direct audio preview

Now including full DVD-A Authoring

WAVELAB⁵

AUDIO EDITING AND MASTERING SUITE

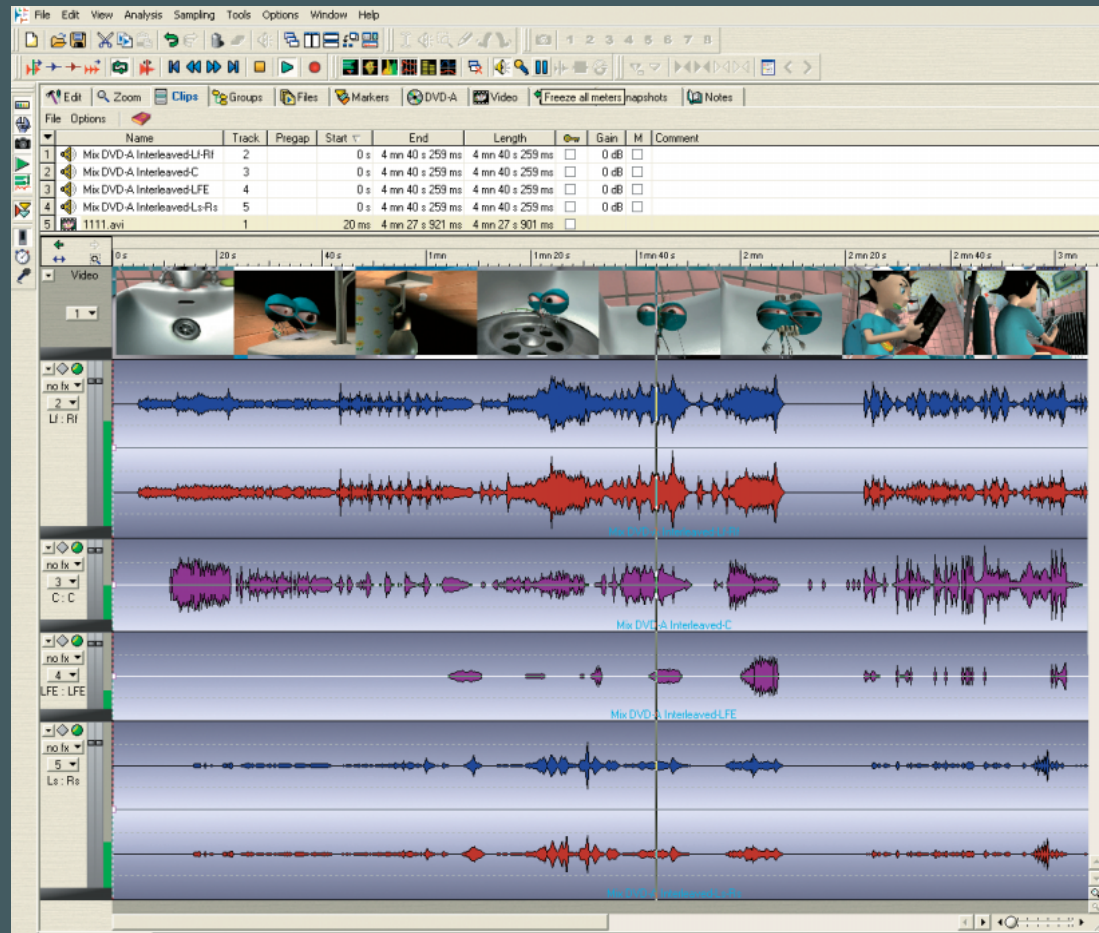
SYSTEM REQUIREMENTS	Windows
Minimum System Requirements:	
CPU: AMD / Pentium 3 or above, 500 MHz	
256 MB of RAM	
10 GB of free hard disk space for DVD Audio	
Windows XP, Windows 2000	
Display: 24 bit required for DVD-A (menu creation)	
ASIO compatible audio hardware with at least 8 channels	
Microsoft DirectX 9 for video operations	
Recommended System Requirements:	
CPU: AMD / Pentium 4, 2 GHz	
512 MB of RAM	
10 GB of free hard disk space for DVD Audio	
Windows XP	
Display: 24 bit required for DVD-A (menu creation)	
ASIO compatible audio hardware with at least 8 channels	
Microsoft DirectX 9 for video operations	



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WAVELAB 5 – the perfect all in one solution



The Audio Montage in WaveLab 5 now offers full surround support, picture and text tracks for DVD-Audio authoring and a video thumbnail track. WaveLab users will find the DVD Audio capabilities extremely easy to use as the additional and DVD-A – specific features are seamlessly integrated in WaveLab 5's familiar user interface.

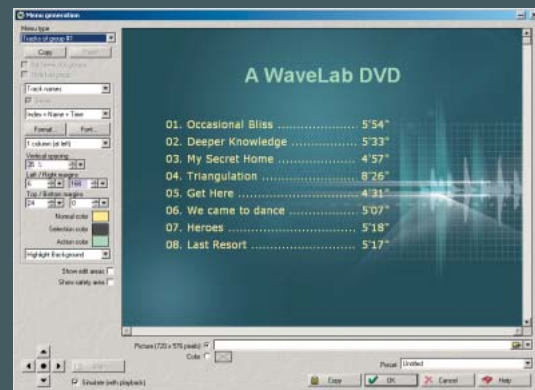
1996 saw the first chapter in the long and distinguished story of WaveLab. Since then, WaveLab has been continually developed, and has become a leading application in digital audio editing.

With version 5, WaveLab can once again claim to be the standard which other applications have to measure themselves by. WaveLab 5 is probably the only all-in-one solution for high resolution

stereo and multi-channel audio editing, mastering, CD/DVD burning and for complete CD or DVD Audio production in outstanding audio quality.

New extended feature set

The uses WaveLab is put to are just as multifaceted as the WaveLab feature set. That's why WaveLab is found in top flight audio facilities as well as in project studios. WaveLab is not just a top level mastering tool, offers capabilities ideal for multimedia, and sound design with samplers or radio broadcast and computer telephony applications.



Besides full support for video still images, slideshow transitions, real-time and static text, WaveLab5 also includes a full-featured menu graphics creator. The graphics editor works hand in hand with the project and Audio Montage. Menu background templates are included.



The expanded Master Section supports surround plug-ins such as the optional eight-channel Steinberg Surround Edition plug-in suite. The Q equalizer plug-in and Multiband Compressor are just two of the pro quality plug-ins included in WaveLab 5.

New in WaveLab 5: DVD Audio mastering and authoring

The ever-growing demand for high resolution audio and surround music productions is in turn placing ever more demands on producers. In only a few short years, DVD Audio has established itself as the standard format for multi-channel uncompressed audio with video, text and DVD ROM content. WaveLab 5 lets you turn a CD mastering project into a DVD Audio project with one single mouse click. WaveLab 5 is the first audio editing application that supports DVD Audio authoring as well as of powerful CD mastering and burning features. WaveLab 5 unites capabilities such as graphical editing and processing with full DVD Audio authoring, including graphic menus, DVD text and even import and burning of DVD video content.

Audio editing in real-time

Audio editing includes a broad range of tasks, which often requires the use of several software tools. The powerful and versatile WaveLab 5 does the work of a dozen other programs in one outstanding application. WaveLab 5 offers sample-accurate stereo or multi-channel audio editing combined with powerful DSP effects for sound design. Additionally, WaveLab 5 also supports many common surround formats with up to eight channels, as well as surround plug-ins such as the Steinberg Surround

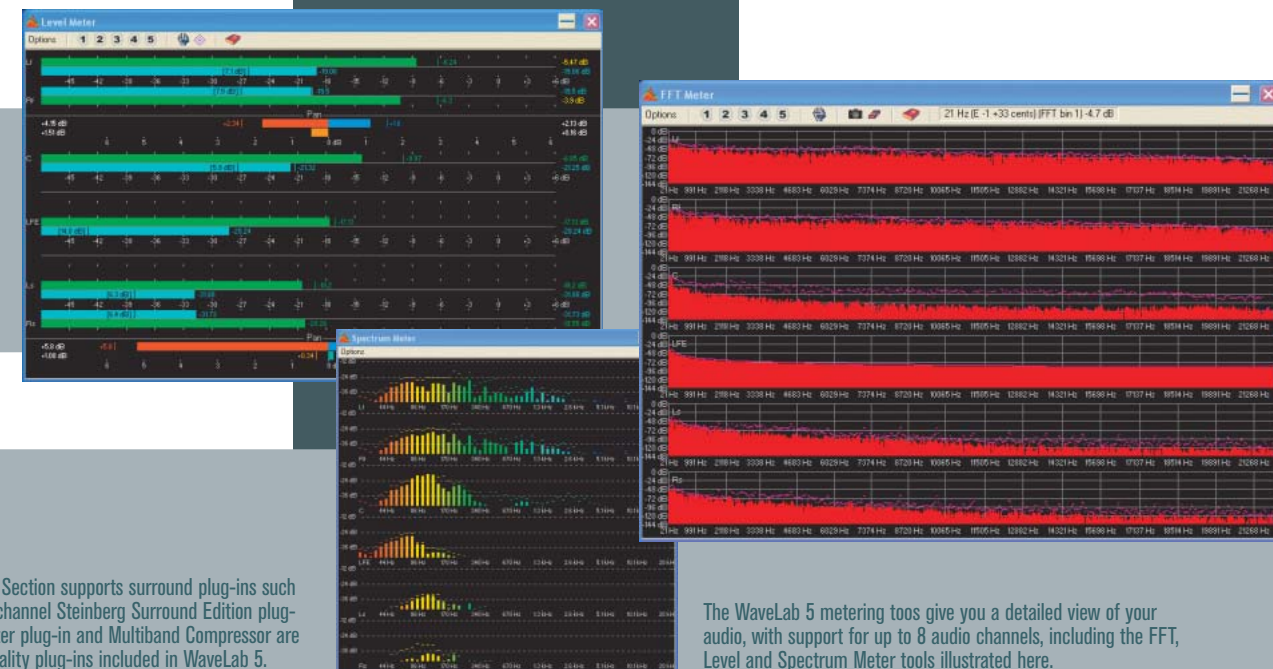
WaveLab also features non-destructive real-time fades and crossfades, clip- and track-based effects, unlimited Undo/Redo, and a powerful set of batch processing features. This range of impressive features makes WaveLab stand out from the crowd.

CD Mastering – All For One

CD mastering is more than getting the maximum loudness out of music tracks and putting them in the right order. A mastering studio adjusts a range of qualities of many different audio tracks, for example volume, EQ and the spatial qualities of a track, forming them into one homogenous sonic entity that can be put together onto the same CD. In some cases, tracks even have to be repaired. Sometimes the engineer also has to create complex crossfades between songs or recordings. WaveLab 5 supports you every step of the way, with an efficient set of tools that take the hassle out of professional mastering, leading you through each stage of the process, from audio track montage, audio editing, building first class effects and crossfades all the way through to exact placement of CD markers and PQ editing. WaveLab 5 then creates a CD image file, burns that onto CD and compares the final CD with the Master image, making any CD burning errors visible and allowing the engineer to correct them. WaveLab 5 can also create color CD covers and labels from within the project itself.

See for yourself: from audio to video

The new "smart" video thumbnail track makes WaveLab 5 the perfect tool for editing audio for video. WaveLab 5 offers more possibilities for detailed, accurate audio editing than ordinary video editing software. WaveLab 5 offers a whole range of editing capabilities to build a powerful and impressive sonic experience, from trimming and editing audio clips to complex sound design tasks. WaveLab 5 is a comprehensive audio editing solution, tailored to producing sound effects, background loops, crystal-clear dialogs, or using the renowned Audio Montage features, complex multitrack projects. And now that WaveLab 5 offers up to 8 audio channels, WaveLab has become the ideal mastering tool for soundtracks in all common surround formats, including 5.1 and 7.1. With integration of functions such as Xsend and Xreceive, WaveLab 5 can be integrated seamlessly in to many video applications such as Pinnacle Liquid Edition.



The WaveLab 5 metering tools give you a detailed view of your audio, with support for up to 8 audio channels, including the FFT, Level and Spectrum Meter tools illustrated here.