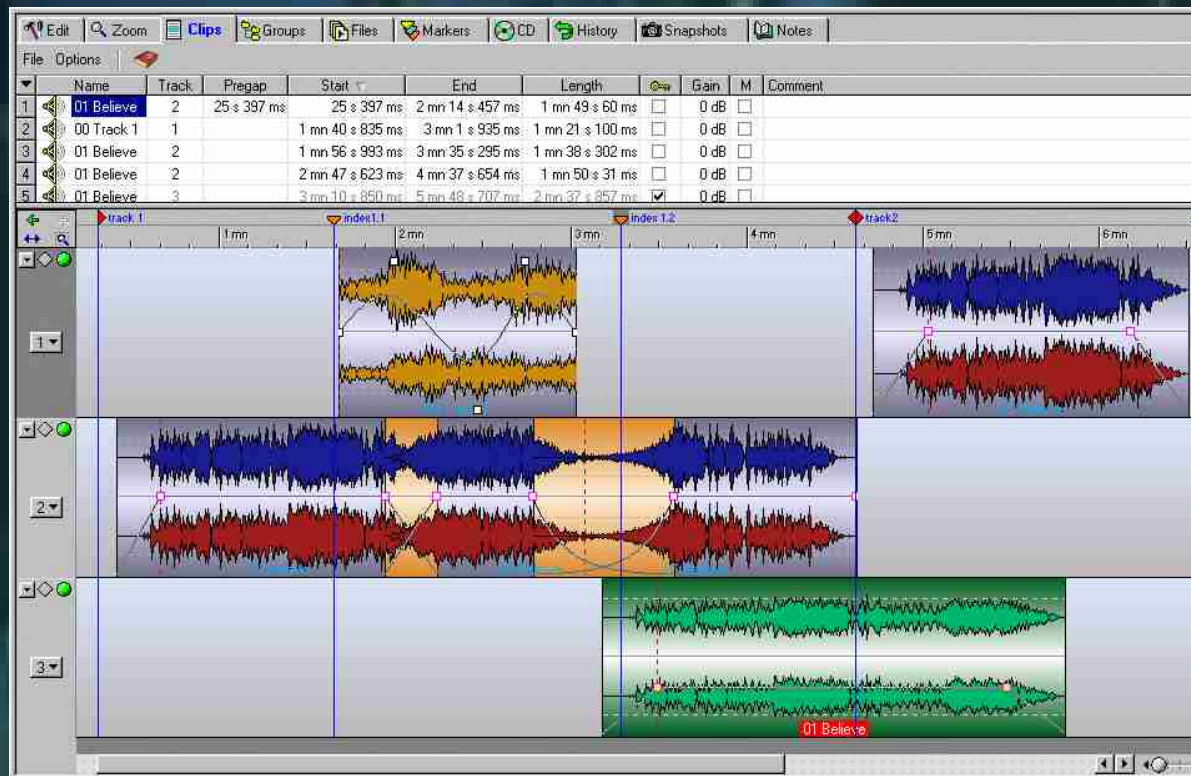


WAVELAB 4.0

**Sonic Perfection
for Professionals**



steinberg
Creativity First



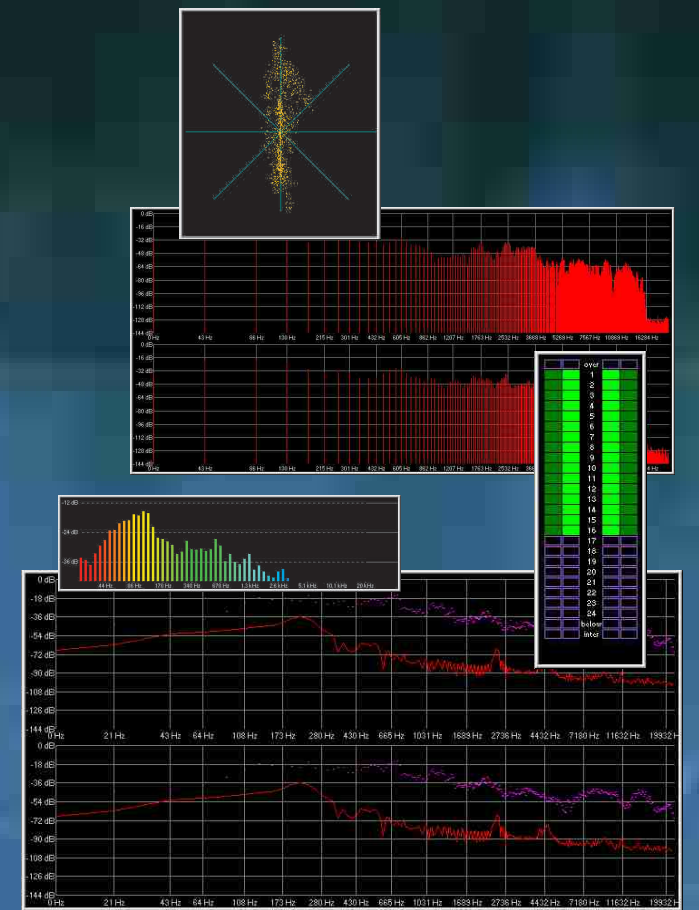
Montage window



Master section



Real-time effects



Analysis tools

Sonic Perfection for Professionals

For years, WaveLab has been the standard in professional audio editing. Steinberg's new 4.0 version is the latest chapter in WaveLab's long success story.

WaveLab 4.0 will take care of almost any audio editing task. Be it sound design, high-quality mastering, internet audio, multimedia applications, preparing audio for broadcasting or computer telephony - WaveLab offers the most appropriate and efficient tools. Thanks to the newly developed analysis functions, additional mastering effects and dynamics processors, version 4.0 sets itself apart from other audio editing software solutions.

Quick and easy to use

In WaveLab 4.0, you can create Audio Montages and carry out precision edits in real-time. Use fades, crossfades, volume envelopes or effects without having to wait. The full implementation of multitasking allows editing and processing in the background during playback. You can even save or record whilst working on a different file. WaveLab 4.0 also features drag & drop and a customizable user interface. You can, of course, also freely scale all windows with a mouse.

Audio Montage - What You See Is What You Hear

The Audio Montage window is the heart of WaveLab 4.0. Here, audio files and sections of audio are defined, arranged and edited. Open as many clips on as many tracks as you want simultaneously in the audio montage and place, move, cut, fade or crossfade them any way you like. Crossfades, panorama, volume edits and effect send levels are calculated in real-time. You can change the "rubber band" curves with the mouse: hear and see the changes you make straight away - without creating fade files that have to be calculated first.

The Audio Montage is absolutely non-destructive, as the clips are only references to the original audio files. This gives you the flexibility of being able to move, cut or delete clips. Each clip can be processed using up to ten VST effects. The sum of all the tracks then passes through the Master Section, where another eight real-time effects (VST, WaveLab, Direct X) are available. Unlimited undo/redo lets you take back any edits or changes you have made.

First class sound quality

WaveLab 4.0 offers outstanding sound quality. The internal 32 Bit floating processing depth with a sample rate of up to 192 kHz offers superb audio clarity. Apogee's renowned professional UV22HR dithering algorithm converts your audio into other bit rates at the very last step in the mastering process.

Powerful real-time analysis tools

WaveLab 4.0 features a broad palette of professional analysis tools. Thanks to newly developed high-precision level indicators, you can visually monitor playback audio input and even each single sample position - in real-time, of course. Also included are a new version of the Peak/VU Meter (now free-floating), a 60-band spectrum analyzer and Phasescope, a correlation meter with integrated goniometer. With the FFT meter, you can also, for example, test rooms or PA systems.

Integrated mastering studio

WaveLab 4.0 offers everything you need to give your audio the finishing touches it deserves: a graphic, editable, fully parametric equalizer, a top-level reverb algorithm, comprehensive dynamics section as well as special high-end loudness optimization algorithms. Also built-in are two plug-ins for restoration of audio recordings, DeClicker and Denoiser. Using virtual effect processors in the Master Section couldn't be easier - you can drag & drop the plug-ins around and place them into the desired position in the processing chain. To help you compare results of different effect combinations easily, you can open several instances of WaveLab 4.0 at the same time.

Burn your CDs

Using a suitable CDR writer, WaveLab 4.0 makes burning Red Book-compatible CD masters easy. You can set track and index markers directly in the waveform, including extremely accurate settings for codes and pauses. The integrated Label Editor helps you make your own CD labels and covers, letting you define many different types of information such as track list or date.

The backup tool lets you archive your audio files on storage formats and devices such as HD, CD, ZIP and JAZ. Also new in WaveLab 4.0: the audio-in-pause function for creating hidden tracks, 1:1 CD copying, ISO import and export, PQ sheet import, export and printing and many more...

Transparent File Management

With its integrated audio database and batch processors, WaveLab 4.0 takes care of routine tasks for you. Organizing and processing sound archives or databases has now become so much easier. These versatile tools can edit and convert audio files automatically. Using them couldn't be simpler - just select your audio files, choose the editing functions and set your destination folder. Also new: Meta Leveler can now be used during batch processing to compensate undesired volume fluctuations.

Audio file formats

WaveLab now supports more file formats than ever before, including WAV, AIFF, AU, Ensoniq Paris 24 Bit, RAW (8/16/20/24 Bit), Sound Designer II, ulaw, MP3, Sun/Java and many more...

More useful functions:

- New user interface
- ASIO, WDM and MME driver support
- Analyze audio signals in real-time: Level/Pan, Phase, Spectrum Analyzer, FFT Meter, Wave Meter, Bit Meter
- Full real-time input and output monitoring
- New high-quality virtual effect processors Q (parametric 4-band mastering EQ), Multiband Compressor, Spectralizer (Enhancer), Denoiser, DeClicker, Voice Attenuator, 192 kHz Resampler
- Improved Master section - simpler placing of your plug-ins in the 8 slots with drag & drop
- Backup function, data CD burning, CD copy, CD label creation
- OSQ (Original Sound Quality) - lossless audio file compression
- Save while you work - save several audio files in the background while you continue working
- New audio file formats
- Apogee UV22HR Dithering
- Automatic pitch recognition and pitch adjustment
- Autosplit function - split audio files into segments with a range of different criteria
- Pentium P4 optimization

WAVELAB 4.0

Application areas

Mastering

WaveLab 4.0 offers a range of features which are indispensable for mastering: editing, arranging CD tracks, sound processing with internal EQs, dynamics and effects, automatic volume adjustment, UV22HR dithering and noise shaping, CDR writing, Exabyte/DDP output (optional), tools for problem analysis and comparing files, a raft of real-time analysis tools (FFT, VU/Pan, Bit, Spectrum etc.)

Broadcast

WaveLab 4.0 is ideally suited for use in everyday situations in broadcast audio, and includes a variety of solutions, such as: easy-to-use speech cutting tools, simple, graphic arrangement of audio files for radio, automatic ducking and automatic real-time crossfades.

You can assemble your projects quickly and efficiently with the help of the Audio Montage window. The intelligent context menus support you in your work. If your completed audio sequence is too short or long, you can use the time stretch function to correct this. With WaveLab 4.0 is ideally suited to use with Notebooks, allowing you to pre-produce while you are on location.

Multimedia

WaveLab 4.0 is also a powerful tool for multimedia applications. You can import and export MP3 files so that they can be used in all multimedia projects. New intelligent functions prepare your audio files for multimedia applications. These include the audio database and the batch processor, which processes audio files automatically. WaveLab 4.0 also features integrated dithering to word lengths between 8 and 24 Bits as well as sample rate conversion (5 to 192 kHz).

Sound design for Samplers

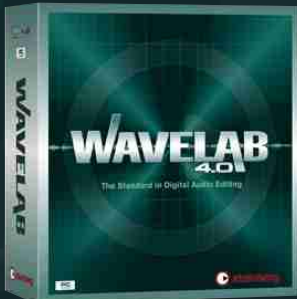
WaveLab 4.0 takes care of the previous problems encountered when working with samplers, as the program will communicate directly with all common samplers using MIDI or SCSI. Drawbacks such as small displays, poor accessibility of functions, a lack of extendable sound design features and bad sample management are history with WaveLab 4.0. Sample editing becomes a joy with WaveLab 4.0: Sound processing with internal EQs, dynamics and effects, volume optimization, distortion control, high-quality time stretching and pitch shifting with automatic pitch detection, auto-split functions to cut audio files based on customizable parameters, professional loop creation features. All this is supported by crossfade-looper and wave equalizer, even if you are working with difficult or damaged audio material.

Minimal System Requirements

- Intel® Pentium® II 200 MHz processor or AMD K7
- 128 MB of free RAM
- 60 MB free hard disc space
- Windows® 98, Windows® ME, Windows® 2000 or Windows® XP
- SVGA video (65536 colours @ 800 x 600 Pixel)
- Appropriate MME- or ASIO-audiocard

Recommended System Requirements

- Intel® Pentium® III 500 MHz processor or AMD K7
- 256 MB of free RAM
- Windows® XP
- SVGA video (24 Bit @ 1024 x 768 Pixel)
- Appropriate MME- or ASIO-audiocard



Find out more about the new features in WaveLab 4.0:
<http://www.steinberg.net/wavelab>



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