

WaveLab 5: Complete List of Key Features

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-in-pause, 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