WAVELAB 4.0

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, Sun/Java etc.
- New file format: OSQ for loss-less compression of audio files
- Apogee UV22 HR Dithering
- Save while work: simultaneous saving of multiple audio files in background
- Full featured recording
- Professional database for audio files
- Audio file comparison and analysis
- Batch Processing with Plug-Ins
- MTC Synchro
- 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
- 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
- Clips can be processed with up to 10 virtual effects
- 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

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

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