

## Applications

### >> Audio Editing (Stereo, Multi-Track, Surround)

Audio Editing is a huge field and the various different tasks often require many different software tools and applications. WaveLab 5 is the most powerful and versatile audio editing and processing application on the market today and does the job of a dozen other programs.

It features sample-accurate stereo or multi-track audio editing combined with impressive DSP effects for sound design. Depending on the editing task, users may choose between a stereo editor and the powerful Audio Montage for multi-track projects. In addition, WaveLab 5 supports any surround format with up to eight channels, as well as surround plug-ins like the acclaimed Steinberg Surround Edition.

Add non-destructive real-time fades and crossfades, clip-based and track-based effects, unlimited undo/redo, and the powerful batch processing and archiving features. No other single software tool can match WaveLab 5's impressive feature set.

### >> CD Mastering

CD Mastering is more than just squeezing maximum loudness out of music tracks and putting these into the right order for creating a CD. A mastering studio has to match and adjust levels, equalization, spatial integration and many other audio aspects between different audio tracks in order to create a coherent acoustic experience across the entire CD. In some cases, audio files need to be error-corrected or repaired. In other cases, complex transitions or crossfades between titles need to be created. WaveLab allows for all of these procedures – and more.

WaveLab guides the user through the whole CD mastering process, from assembling tracks, editing audio and applying effects or crossfades down to accurate CD marker and PQ editing. Finally, it creates a CD image file, burns that file to CD and compares the final CD to the master image for error checking and repair. WaveLab can create CD reports. It can even create full colour CD covers and labels right out of the project. No other audio editing software offers such a complete set of CD mastering features.

### >> DVD-Audio Authoring

With the advent of high resolution audio and multi-channel surround music, new formats are needed to deliver media to the home or to other studios. DVD-Audio is rapidly becoming the standard for audio media, combining multi-channel and high resolution uncompressed audio with video, text and DVD-Rom content.

WaveLab 5 is the first and only audio editing application that offers full DVD-Audio authoring support on top of its powerful CD mastering and burning capabilities. It combines all of its powerful graphical editing and processing features with full DVD-Audio authoring, including graphic menus, DVD Text, multiple track groups and even import/burning of DVD Video content.

The seamless integration of these new features in addition to the support in WaveLab 5 for multi-channel audio makes it particularly easy for existing WaveLab users to explore DVD-Audio creation.

### >> Audio Restoration

The powerful DSP plug-ins included with WaveLab 5 not only allow for complex and precise equalization or dynamics processing. It also includes powerful audio restoration tools. The DeNoiser plug-in is based on acoustic fingerprint analysis, and analyzes recorded audio, detecting and removing background noise. The DeClicker plug-in works in a similar way by analyzing the original material, identifying clicks and then removing those clicks. In addition to denoising and declicking, WaveLab includes other powerful plug-ins which can be used to enhance and improve sound quality of audio material.

### >> Audio-for-Video

With its new “smart” video thumbnail track, WaveLab 5 is the perfect tool for audio-for-video editing. WaveLab allows for far more accurate and detailed audio editing than the typical video editing software. From trimming and editing audio clips to complex sound design – WaveLab 5 offers the full spectrum of audio editing and processing tools needed to turn a flat-sounding movie soundtrack into a powerful and impressive sonic experience. WaveLab 5 can be used to create sound effects, looped background music beds, impressively clear and “in the face” dialog or even complex multi-track edits using the Audio Montage window. With up to eight audio channels, WaveLab 5 can also serve as a soundtrack mastering tool for all popular surround formats, including 5.1 and 7.1.

Use WaveLab 5 to edit the audio track of a video clip extracted from applications like **Pinnacle Liquid Edition**. Or run WaveLab 5 as the audio editing front-end of your preferred video editor. With XSend and XReceive, WaveLab 5 can be integrated seamlessly into any AV workstation.

### >> Broadcast Production

Besides outstanding sound quality and data integrity, workflow optimization and system integration are some of the key requirements in professional broadcast facilities. WaveLab 5 offers state-of-the-art 24-bit/192 kHz resolution and 32-bit floating-point precision, which results in exceptional sound quality and processing accuracy. Furthermore, WaveLab 5 supports the Mpeg 1 Layer 2 (M.U.S.I.C.A.M.) file format, which is commonly used in digital broadcast systems, as well as Broadcast WAV, the extended WAV format that includes additional information in the file header. But clearly the most exciting features for broadcast users are the new scripting capabilities in combination with user presets and batch processing functions. When combined, these functions allow for perfect integration of WaveLab 5 into the existing workflow, including automated file import, format conversion and signal processing. Using the new API scripting interface WaveLab 5 can run even difficult processing tasks in the background without even being touched.

### **>> Sample Editing**

Many studios still rely on their trusted MIDI hardware samplers and their extensive sound libraries. However, editing samples on small LCD displays can be tedious and time-consuming. WaveLab 5 supports more than 30 popular samplers and sample formats. It can communicate directly with hardware samplers via MIDI and SCSI, send and receive samples and convert between different formats.

### **>> Multimedia Sound Design**

Besides its powerful editing and processing features, WaveLab 5 supports major multimedia audio file formats like Windows Media, WMA Pro, and various MPEG formats. Instead of inconvenient importing or exporting, WaveLab 5 natively supports all of these formats and allows for direct opening and saving of files in any of its supported formats. In combination with the powerful batch processing functions, WaveLab 5 becomes the tool of choice for any file-conversion task.

### **>> Institutional Applications**

WaveLab 5 has many applications beyond mastering or music- and audio-for-video production. Its powerful recording and processing features have made it the number one choice for scientific audio archiving and restoration, as well as more sophisticated lab-applications. WaveLab is known for its reliability and its ease-of-use. Its highly customizable workflow and the powerful user-preset and batch processing features, plus its compatibility with many different file formats leave enough room for a perfect integration into practically any thinkable audio lab environment.