

## 1.2 About Sequel LE

### About Sequel LE



Combining intuitive tools to record, edit and mix music with great-sounding loops, instruments and effects, Sequel LE opens up the exciting world of music production. Sequel LE gives you a selection of quality loops, ready-to play instrument sounds, stunning effects and the same state-of-the-art Steinberg audio engine like Cubase/Nuendo preferred by many world-class producers all over the world. Great ease of use and top-notch audio content make Sequel LE the ideal piece of gear that'll let you make your own music right away and right out of the box!

### Product highlights

- Includes top features of the Sequel 2 full version
- Contains selected audio content
- Provides a limited number of instruments and track presets plus an effects set to add that certain touch to your songs
- Supports Sequel Content Sets for even more content
- Runs on your PC and Mac computer
- Fully upgradable to the Sequel full version
- Sequel LE projects can be opened in the full version
- Sequel LE is an intuitive, all-in-one music studio that targets young people fascinated with creative multimedia



and enjoy music.

### **Key features**

Sequel LE is a trendy software tool which inspires the creativity of users to record, edit and mix their own music without having acquired musical instrument skills or musical education in advance. Sequel LE is the first step in the right direction to producing great music.

Sequel LE is simply ideal for the educational sector. Educational institutes and school book publishers are able to provide students and teachers a cost-effective solution to learn easily about musical style, structure and harmonic interaction in an enjoyable way.

## 8 Sequel LE Overview

### 8.1 Features at a glance

#### Controller Mode



The Controller Mode provides a means to assign external controllers or keyboards to the most-used parameters in Sequel LE such as mixer volume, track effects, solo/mute buttons and even more. The ultra easy-to-use Controller Learn function allows the user to assign a controller by clicking the parameter and moving the desired knob, slider, key or button. The Controller Mode in Sequel LE provides many options for live performances, such as editing volume or tune and effects with your hardware controller to create a song on stage without a mouse.

#### Virtual Keyboard



The Virtual Keyboard featured in Sequel LE is ideal for playing and recording instruments with the mouse or computer keyboard.

#### Track Icons



Customizable Track Icons allow the user to label the project's tracks and mixer channels, making them even easier to spot. Track Icons are selected from the factory picture library or a self-definable user library. Customizing Track Icons by changing size and shade let users give Sequel 2 projects their individual touch.

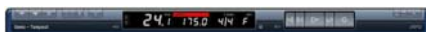
#### Track Freeze

When processing gets intense, there's the Track Freeze function which frees up CPU power for more tracks and effects!

#### Free Warp and Audio Reverse

The new Free Warp mode enables the user to warp any part of an audio loop. With the Audio Reverse function it is possible to play audio backwards — a cool effect for breaks!

#### Tap Tempo



The new Tap Tempo function helps the user assign the tempo of each audio file or to fix the tempo of the song.

#### Vista Core Audio Support

With Windows Vista, Sequel LE runs at very low latencies even without external ASIO hardware using the Vista Core Audio driver.

#### Sequel Content Sets



Sequel Content Sets are available for Sequel LE. The Sequel LE sound library can be expanded with hundreds of additional audio loops in different music styles.

## 8.2 Technical Specifications for Sequel LE

### General

Timeline-based sequencer with Global Transpose Track

Recording, Editing, and Mixing of Audio and Instrument Tracks with Track Freeze

Arranger mode for real-time arranging / remixing (**not available in Sequel LE**)

Single-Window User Interface divided in three main work-areas: Pilot/Arrange/Multi Zone.

8 audio and 8 instrument tracks

Variable Metronome volume

### Files and Formats (Import and Export)

Recording format: Linear PCM; Stereo WAV 16-bit or 24-bit with 44.1 kHz sampling rate

Supported audio file formats (import, drag & drop, export): WAV, AIFF, AIFC, MP3, WMA, WMA Pro, Ogg Vorbis

Export project to iTunes: one-step mixdown/export function opens iTunes with new track in destination format (iTunes converter, including MP3, AAC, and Apple Lossless)

Export projects to MP3: With adjustable quality settings. (20 time limitation)

CD burning provided using iTunes (pre-installed on Macs, free download for PC)

SMF (Standard MIDI File) import and playback supported via drag & drop

### Audio

Audio recording with up to eight simultaneous tracks

8 audio tracks

Audio resolution: 16-bit or 24-bit at 44.1 kHz

Internal Resolution: 32-bit floating point

Support for ASIO, Core Audio (Mac) or DirectX (PC) compatible audio hardware

Support for low latency on board audio devices on Windows Vista

Automatic VST Connections (all hardware inputs available in either mono or stereo configuration)

Stereo output, assignable to any available hardware output pair.

VST3 audio engine with full latency compensation across entire signal path

Permanent real-time time stretching and pitch shifting with variable warp modes

Formant preservation for monophonic signals

Track presets available for one-stop recording

User-definable track presets

### Editing

**Arrange Zone** not available in Sequel LE

Global Transpose Track and Master Track

Events have hot-zones for SmartTool; available options: Move, Trim, Cut, Repeat, and Mute/Un-mute

**Audio Editor** (Sample) with real-time audio warp functions (real-time time stretching and pitch shifting)

Free warp: Flexible warp marker

Warp Modes: Mix, Drums, Plucked, Pads, Vocals, Solo

Tempo Sync On/Off

Audio Quantize with variable Swing

Manual Adjust Function for timing correction of individual beats

Real-time manual pitch shifting (+/- 24 semitones)

Audio Reverse

Root Key definition

**Key Editor** (Instrument) with note event and controller editing

Volume and Transpose (+/- 100 Semitones)

Note Quantize with variable Swing

Legato Slider for dynamic note length editing

Step Record Mode with auto-advance function and manual backward/forward buttons

Root Key definition

### Mixing/Automation

Dynamic Track Mixer with Volume, Pan, EQ, Compressor, two variable inserts, two variable send effects

Additional Event Effects for Instrument Tracks (Arpeggiator and Chorder)

Master Output channel with two variable Output Effects (Inserts) plus two fixed Master Effects (Stereo Enhancer and Maximizer)

Manual and automatic color coding for channels/tracks

User definable track icons

Record-enable, Mute, and Solo buttons per channel

Track/Channel and Output Channel automation with manual input (Edit/Write Mode)

Automation destinations: Volume, Pan, Mute, EQ, Bypass, plus all effect parameters, instrument quick controls in instrument tracks

### Arranger

Not available for Sequel LE

### Effects

Integrated VST3 audio effects:

**Delay:** Ping Pong Delay, Stereo Delay

**Distortion:** AmpSimulator, Distortion

**Dynamics:** Compressor, Gate, Maximizer

**Modulation:** Auto Pan, Chorus, Flanger, Phaser, Rotary, Tremolo, Vibrato

**Other:** Roomworks SE, Stereo Enhancer, Dual Filter

**Channel Equalizer:** three-band with Lo/Hi Shelving EQ (w/ variable frequency), fully parametric mid-band, variable frequency and Q

Fixed compressor in each channel

Two variable Effects (Inserts) per channel

Two global effects (Sends) per channel

Two variable master track effects (Inserts)

Two fixed master effects: Stereo Enhancer, Maximizer (Inserts)

### Controller Support

Easy to use controller learn mode

Advance Performance Mode

Free controller assignment

### Instruments

Integrated virtual instruments with hundreds of presets or track presets

Up to 128-voice polyphony (defined by preset), limited by CPU performance

Quick Control editing per track

New sounds can be saved as track presets

Event effects per track: Arpeggiator, Chorder

Virtual PC and mouse keyboard

### Content

More than 100 audio loops

More than 350 instrument presets

More than 50 audio track presets

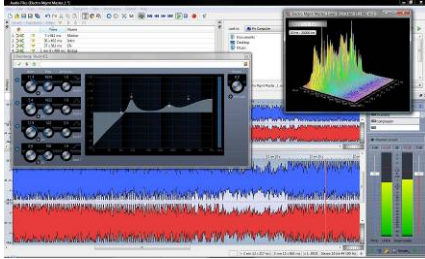
More than 150 effect presets

Sequel Content set ability

VSTsound Instrument set ability

## 1.3 About WaveLab LE 7

### About WaveLab LE 7



WaveLab LE 7 offers a suite of audio editing tools tailored to the needs of musicians, small recording environments and podcast authors. The limited podcast tool combines basic editing and mastering capabilities with full internet audio publishing features, creating a unique one-stop application for recording, editing right through to online publication via podcast, perfectly suited for Sequel and Cubase users.

The sample-accurate 24-bit/96 kHz audio engine in WaveLab LE 7 combines a small set of quality virtual effect processors.

Utilizing professional technologies from Steinberg's industry-standard WaveLab 7 application, WaveLab LE 7 provides an instantly accessible audio editing, mastering and podcast publishing toolbox unique at its price.

### Product highlights

#### Podcasting:

- Excellent integration to the audio editing environment
- Complete support of the RSS 2.0 standard
- Upload to iTunes possible
- Automated FTP client for internet publishing
- Templates
- 3 episodes per feed can be created and published

#### Editing:

- Non-destructive audio montage for clip-based editing
- Real-time fades and crossfades with overlapping waveforms that follow fades
- Supports combinations of mono and stereo files
- Easy and intuitive trimming of clips and crossfades



- Sophisticated rubber band editing for volume envelopes

Processing:

- ASIO support
- Suite of sophisticated audio plug-ins included

Support of a multitude of different audio file formats (WAV, AIFF, MP3, OGG, OSQ, WMA) and resolutions of 8/16/20/24 bits with up to 96 kHz

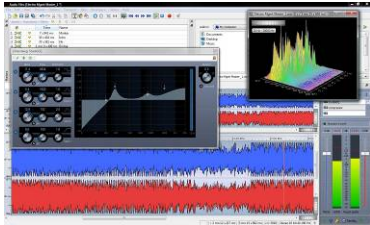
### **Top 5 features**

- Powerful real-time engine with integration of effect plug-ins
- Superior audio processors
- Sample accurate audio editor with crystal-clear audio processing at up to 96 kHz and 24-bit floating-point resolution
- Unlimited Undo/Redo in all editors
- Podcast creation and publishing (limited)

## 9 WaveLab LE 7 Overview

### 9.1 Features at a glance

#### About WaveLab LE 7



WaveLab LE 7 covers a range of functions that enables users from the mentioned industries to become acquainted with the world of WaveLab audio editing, publishing and mastering. The smallest version within the WaveLab product line perfectly complements any audio sequencing, recording and production application with helpful features with regards to editing, publishing and analyzing as well as providing an outlook to the WaveLab product world.

#### WaveLab LE 7 – Enter the world of professional audio editing

WaveLab LE 7 not only allows the user to edit CD-quality audio material on two tracks, but also enhances recordings, using more than ten plug-ins that include several effects taken from our professional music software, Cubase. In addition, there is the integrated podcast function which allows for sharing music and voice recordings in the internet.

#### Mac OS X support and new layout

Probably the most important new feature in WaveLab LE 7 is the compatibility to Mac OS X operating systems, which follows Steinberg's goal to make all products available on both PC and Mac platforms. Furthermore, WaveLab LE 7 has been completely rewritten and comes with a new, modern and easy-to-use user interface, which is based on the new WaveLab 7 family design.

#### Audio montage and wave editing

#### Workspace concept and flexible window architecture

The Audio Montage of WaveLab LE 7 is the central working area, where audio files can be edited. Two audio tracks as well as a basic editing feature set, including the possibility to set markers. The redesigned master section allows the use of up to three slots for the integration of plug-ins.

WaveLab LE 7's Workspace concept is based on the bigger WaveLab 7 versions and offers the possibility to switch between several WaveLab LE 7 view sets with a single mouse click and thereby dramatically speeds up the entire working process with WaveLab LE 7.

The new window structure offers the possibility to drag and drop program windows, resize them and place them anywhere required within the WaveLab LE 7 workspace.

#### Convincing plug-in set

WaveLab LE 7 comes with nine plug-ins, based on Steinberg's renowned VST3 technology. Plug-ins such as the Steinberg Compressor, Limiter, the renowned StudioEQ from Cubase and Roomworks SE form a solid feature set. More than ten additional plug-ins including Leveler are also on board WaveLab LE 7.

One of WaveLab LE 7's strength is the audio analysis



### **Audio analysis on a new level**

section, including tools such as the 3D offline Spectrum view and Level Meters for the master section that allows the user to always easily keep an overview on the technical results of the current mix.

### **Flawless audio quality**

WaveLab LE 7 also delivers flawless audio quality by supporting 96 kHz sampling rate at a CD-quality playback resolution of 16 bits.

### **Podcast and audio grabbing**

But there's even more to it than that. WaveLab LE 7 also offers comprehensive support for the creation and publishing of podcasts. The powerful podcast tool offers a feature set, which can stand comparison even with the more professional WaveLab 7 versions. It's possible not only to add parameters such as title or description, but also create several episodes and upload them directly to the server of choice.