

# SERATO SCRATCH LIVE 2.2 DATA SHEET 2011

Serato Scratch Live combined with Rane hardware is the ultimate solution for professional DJs, giving you the freedom to take your entire digital music collection on the road and equipping you with advanced features that add extra creativity to your DJing.

This intuitive system replicates the traditional DJing experience for "real feel" usability. With unparalleled performance, sound quality and stability, you'll soon see why thousands of DJs worldwide choose Serato Scratch Live.

- Load music files onto Virtual Decks for playback.
- Browse your music collection by custom categories and album art.
- Prepare audio files for playback with auto-gain and BPM calculation.
- Organise music with crates and smart crates.
- Choose from multiple play and display modes to suit your performance style.
- Use visual aides, cues and loops to perfect your mixing.
- Add extra creativity to your sets with DJ-FX, the SP-6 Sample Player and other Scratch Live plug-ins.

## SUPPORTED FILE FORMATS

Scratch Live supports multiple file formats: fixed and variable bit-rate MP3, Ogg Vorbis, AAC, ALAC, AIFF, WAV and Whitelabel (wl.mp3) file types\*. M3U playlists are also supported. **\*For more information on wl.mp3 files visit whitelabel.net**

NOTE: Older iTunes Music Store DRM files cannot be played back by Scratch Live. iTunes Plus files are DRM-free.



## VIRTUAL DECKS

Music files are loaded onto the Virtual Decks, which rotate as the music plays, much like regular turntables or CDJ decks.

The Virtual Deck shows everything about the speed and position of a track. As the vinyl rotates, so does the line on the label. The circular progress bar around the edge is a visual representation of the position within the song. The Virtual Decks display pitched BPM information, and the time and remaining time are displayed in minutes and seconds.



## LIBRARY

Browse your music collection by album, artist, BPM and genre. Additional column sort options can be selected for custom needs. Tracks in your library can also be browsed using three different album art modes.

Scratch Live includes an intuitive Search function to help you find tracks quickly.



## TOOL TIPS

Handy built-in Tool Tips provide a simple guide to learn the software and the applications of each feature. A list of keyboard shortcuts are also in the Tool Tips.

## IMPORTING MUSIC

Importing music is done simply by navigating to your hard drive(s) via Serato Scratch Live's File pane. You can also drag and drop files directly from Explorer (Windows) or Finder (Mac). iTunes users have the option to integrate existing iTunes libraries and playlists into their Scratch Live library.

Importing audio files to your computer is highly recommend, however you can play files directly from CD and CD-ROM.

## FILE PREPARATION

Build waveform overviews, check for file corruption and use Scratch Live's optional auto-gain and BPM calculation with the Analyze Files button.

Use the Offline Player to prepare crates, audition tracks, and set cue and loop points, without needing to have the Rane hardware connected.

## CRATES AND SMART CRATES

Create Crates and Subcrates to group tracks within for quick recall and simple organisation. You can also merge these crates onto an external drive for simple migration to another laptop.

Smart Crates allow you to set rules and keywords for crates, which automatically update when relevant tracks are added or removed from your library.

## HISTORY

The history button opens a complete log of all the tracks you have played and allows you to export Scratch Live session information as a data file for future reference.

## PLAY MODES

Scratch Live has three different play modes which you assign to each Virtual Deck.



**Absolute Mode** most closely resembles the properties of regular vinyl; needle dropping, scratching, rubbing and other turntablist techniques are most faithfully reproduced in this mode. Absolute Mode is the recommended mode to use when using the standard hardware functions on CDJs.

**Relative Mode** allows for skip free scratching and the use of Scratch Live's cueing, looping and censor controls.

**Internal Mode** lets you play and mix files without external vinyl or CD control. Internal mode contains a start/stop function, a pitch slider and pitch nudge controls. It is also the emergency mode Scratch Live defaults to when the end of a control record or CD is reached.

## DISPLAY MODES

Four different Display Modes allow you to choose the best Virtual Deck arrangement to suit your style of performance.

**Library Mode** simplifies the deck arrangement with a larger view of the library and no waveform matching.

**Classic Vertical Mode** displays two decks on the left and right side of the screen with vertical waveforms in the middle.

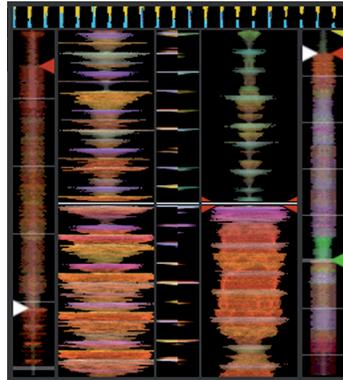
**Classic Horizontal Mode** displays two decks on the left and right side of the screen with horizontal waveforms in the middle.

**Stack Mode** displays the decks and waveforms on top of one another horizontally, which is useful when using more than two decks (with supported Rane hardware).

## KEYLOCK

When Key Lock is on, the key or pitch of the song stays locked at what it would be if the track was playing at normal speed, regardless of the platter speed of the turntable or CD player.

## VISUAL AIDS



When a track is playing several waveforms and visual aids are displayed.

**Tempo Display** provides a helpful tool for beat matching - each peak represents the beats within a track. As you change the pitch of a song, these peaks shift position. When track tempos are in-time, these peaks will be aligned.

**Beat Matching Display** emphasizes the position of beats within a track alongside the waveform display, for quick beat matching.

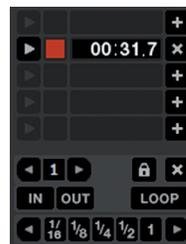
**Track Overview Display** shows an overview of the track waveform, which is useful for finding transitions in a track and for jumping quickly to any part of the song.

**Colored Waveforms** by frequency for visual identification of instruments and vocals.

## CUES AND LOOPS

Create up to five Cue Points for each track to mark and trigger key parts of your songs.

Create and save up to nine Loops per track, either manually or using the Auto-Loop function.



## SCRATCH LIVE PLUG-INS

Optional plug-ins can be switched on and off, allowing you to choose which extra features you would like to use when DJing.

**SP-6 Sample Player** allows you to trigger up to six additional sources of audio (e.g. sound effects, drops). Store samples in multiple sample bank slots, and choose individual output options for each slot.



**DJ-FX** give you control of two FX units, each with three chained effects slots per unit. Customize and save preferred effect parameter settings for quick recall.

**SL 3 AUX Deck** allows the Aux In and Out channels on the Rane SL 3 to be used for connecting a third deck.

**Serato Playlists** export track play information to your user profile on [www.serato.com](http://www.serato.com). This can be done using the History export function post-set, or you can choose to live update during your set.

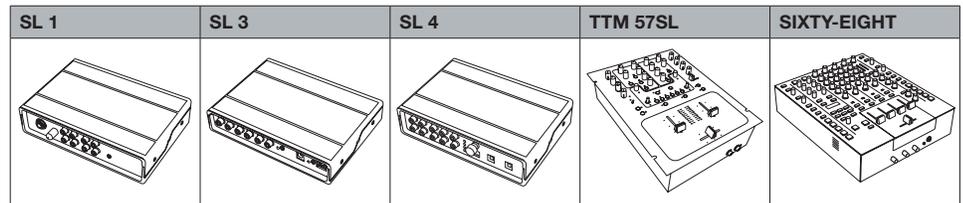
## SERATO VIDEO-SL

Playback video files using the Serato Video-SL plug-in, and mix them using creative effects and transitions which compliment the audio. **Serato Video-SL is available to buy separately. Visit [www.serato.com/video-sl](http://www.serato.com/video-sl).**

## THE BRIDGE

The Bridge allows you to combine elements of Ableton Live with Serato Scratch Live, to create unique performances and to perfect your mixtapes. **The Bridge is free-of-charge for users of Serato Scratch Live 2.1.1 and Ableton Live/Suite 8.2 or above. Visit [www.serato.com/thebridge](http://www.serato.com/thebridge).**

# RANE HARDWARE COMPARISON GUIDE



A detailed comparison guide of Rane's official hardware for Serato Scratch Live. This includes reference to the differences within the Scratch Live software for each piece of hardware.

Complete descriptions of Rane hardware, including controls, connections, accessories and detailed specifications are available at [www.rane.com](http://www.rane.com).

HARDWARE	SL 1	SL 3	SL 4	TTM 57SL	Sixty-Eight
USB 1.1	•			•	
USB 2.0		•	•		•
Two USB ports			•		•
Grounding posts		•	•	•	•
XLR Mic input					•
¼" Mic input	•			•	•
Phantom Powered Mic input					•
Two Mic inputs					•
Mic input tone controls				•	•
Mic input FlexFX					•
USB bus powered	•	•	•		
Self powered				•	•
Aux/Session inputs		•	•	•	•
Aux/Session outputs		•	•	•	•
RCA Thru outputs	•				
Software Thru outputs		•	•		
Switchable 48 kHz / 96 kHz sample rate			•		
Video-SL compatible	•	•	•	•	•
Pre-mapped Serato Video-SL hardware controls				•	•
Mixer tone controls				•	•
Mixer crossfader & upfaders				•	•
Main outputs (XLR)				•	•
Balanced/unbalanced booth outputs (¼")				•	•
FlexFX loop				•	•
Two headphones outputs (¼" and 3.5 mm)				•	•
Built-in mixer effects				•	•
Headphone monitoring				•	•
Split cue monitoring					•

SOFTWARE FEATURES	SL 1	SL 3	SL 4	TTM 57SL	Sixty-Eight
2 Deck mixing	•	•	•	•	•
3 Deck mixing		•	•		•
4 Deck mixing			•		•
Visual Beat Matching	•	•	•	•	•
Key lock	•	•	•	•	•
Censor button	•	•	•	•	•
Repeat button	•	•	•	•	•
Manual looping	•	•	•	•	•
Auto looping	•	•	•	•	•
Loop roll	•	•	•	•	•
5 available cue points	•	•	•	•	•
9 available loop slots	•	•	•	•	•
Tooltips	•	•	•	•	•
DJ-FX	•	•	•	•	•
SP-6 Sample Player	•	•	•	•	•
Additional SP-6 output		•	•		•
MIDI mappable controls	•	•	•	•	•
Virtual Deck gain trims	•	•	•	•	•
Master gain trim	•	•	•	•	•

LIBRARY MANAGEMENT	SL 1	SL 3	SL 4	TTM 57SL	Sixty-Eight
iTunes playlist compatibility	•	•	•	•	•
Crates, Sub & Smart crates	•	•	•	•	•
Real time tempo metering	•	•	•	•	•
Auto BPM detection	•	•	•	•	•
Multiple display view modes	•	•	•	•	•
Album art browsing	•	•	•	•	•
History (play logs)	•	•	•	•	•
Serato online playlist compatibility	•	•	•	•	•

SETUP SCREEN OPTIONS	SL 1	SL 3	SL 4	TTM 57SL	Sixty-Eight
<b>HARDWARE</b>					
Adjustable USB buffer	•	•	•	•	•
Adjustable phono sensitivity		•	•	•	•
Adjustable joystick direction				•	
Adjustable footswitch type				•	
Switchable deck control source				•	
Selectable primary decks			•		•
Adjustable headphone tone					•
Button backlight option					•
Adjustable LCD contrast					•
Adjustable recording bit depth		•	•		•
Line/Phono input level switch	•				
<b>PLAYBACK</b>					
Track end warning	•	•	•	•	•
Lockable playing deck	•	•	•	•	•
Hi-fi resampler	•	•	•	•	•
Play song from start	•	•	•	•	•
Instant doubles mode	•	•	•	•	•
Play song from first cue point	•	•	•	•	•
Braking adjustment	•	•	•	•	•
Mono or stereo audio output	•	•	•	•	•
<b>VINYL CONTROL</b>					
Adjust loops with vinyl	•	•	•	•	•
Next song on vinyl flip	•	•	•	•	•
Vinyl scroll	•	•	•	•	•
Reverse vinyl scroll	•	•	•	•	•
Needle drop to absolute position	•	•	•	•	•
Needle drop to cue points	•	•	•	•	•
<b>LIBRARY</b>					
Customize crate views	•	•	•	•	•
Center on selected song	•	•	•	•	•
Show all file types	•	•	•	•	•
Include subcrate tracks	•	•	•	•	•
Autofill overviews	•	•	•	•	•
Import AAC files	•	•	•	•	•
<b>DISPLAY</b>					
Adjustable screen update rate	•	•	•	•	•
Adjustable audio cache size	•	•	•	•	•
<b>PLUGINS</b>					
SP-6 Sample Player	•	•	•	•	•
DJ-FX	•	•	•	•	•
SL 3 Aux Deck		•			
Serato Playlists	•	•	•	•	•
Serato Video-SL	•	•	•	•	•
The Bridge	•	•	•	•	•

## SERATO CONTROL

Mix and scratch files from your computer hard drive using Serato Control Vinyl, Serato Control CD or Approved USB Controllers.

### Serato Control Vinyl and Control CD (included with Rane hardware)

The Serato Control Vinyl and Control CDs each contain the Noise Map Control Tone, a unique control signal which allows Scratch Live to track the motion of the record, simulating the same movement with digital audio.

### Serato Approved USB Controller (optional)

Serato has certified a select range of new generation controllers with USB connectivity. Scratch Live can send track information to supported hardware on-board displays. Use the platters, buttons and sliders instantly, as supported hardware has pre-mapped controls for a no-fuss setup.

These models are Serato Approved USB Controllers:

- Denon DJ DN-HC1000S
- Denon DJ DN-HC4500
- Denon DJ DN-HD2500
- Novation Dicer
- Numark iCDX
- Numark DMC2
- Pioneer CDJ-2000
- Pioneer CDJ-900
- Pioneer CDJ-400
- Pioneer MEP-7000

## SCRATCH LIVE MINIMUM COMPUTER REQUIREMENTS

**Please Note:** These are the **minimum** requirements to run Scratch Live. For the best performance and in professional situations we recommend you buy a higher spec computer. We also recommend Intel processors.

- Available USB port (USB 2.0 required for SL 3, SL 4 and Sixty-Eight)
- Hard disk space for storing music
- 1024 x 768 screen resolution
- 5400RPM hard drive. 7200RPM for high-resolution audio playback.

### MAC

- 1 GHz G4 (2 GHz Intel Core Duo for SL 4)
- 2 GB RAM\*
- OSX 10.4.11 or higher (10.5.8 for SL 4, Sixty-Eight & TTM 57SL)

### WINDOWS

- Intel processor, 1.6 GHz or better (2.2 GHz Intel Core Duo for SL 4)
- 2 GB RAM\*
- Windows XP with Service Pack 3 or higher
- Windows Vista with Service Pack 2 or higher
- Windows 7. We recommend Windows 7 over Vista.

**Note 1:** If you have a large library, you will benefit from more RAM. If you are using Scratch Live's more system-intensive features such as DJ-FX or AUX Deck plugins, you may need a higher spec computer. See the Computer Optimization Guide for Digital DJs at serato.com.

**Note 2:** If you are planning on using HID devices on Mac OSX 10.5 (Leopard), then you must use OSX version 10.5.6 or up. This includes the Rane Sixty-Eight or TTM 57SL and some 3rd party controllers such as the Pioneer CDJ-400, CDJ-900, or CDJ-2000 CD players.

**Note 3:** Before using a computer with an AMD Turion or Athlon processor, please read the Scratch Live FAQ at serato.com.

**Note 4:** Before using a Windows PC with an Intel i-series processor with the SL 1 or TTM 57SL, first read the Scratch Live FAQ at serato.com.

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