RANE TTM 57SL MIXER FOR SERATO SCRATCH LIVE

DATA SHEET

The TTM 57SL Performance Mixer integrates Serato Scratch Live with the best of Rane's hardware. Control Scratch Live from your mixer without touching your laptop!

Using regular vinyl turntables, CD players or MIDI controllers, you can scratch and mix files from your Mac or Windows computer's CD or hard drive. This intuitive system replicates the traditional DJing experience for "real feel" usability. With unparalleled performance and stability, you'll see why thousands of DJs world-wide choose Rane with Serato Scratch Live.

SCRATCH LIVE CONTROL SURFACE

"Soft" controls have multiple functions for controlling Serato Scratch Live from the matched physical controls in the red outlined area on the TTM 57SL. They also assign the internal digital effects when the mixer is operated stand-alone without a computer. Six different preset groups optimize common controls for playback, cue/looping, effects, recording and library, or customize any control with a right-click.

EFFECTS

24-bit effects using Rane and Serato's award-winning studio and Live sound software technologies, with BPM-synched echo, swept filter, flanger, phaser and desecrator effects.

FUTURE PROOF

The features and functionality of your mixer will improve with each new release of Scratch Live software — and all Scratch Live updates are free! See details in the Scratch Live Data Sheet, or at www.serato.com.

HARDWARE FEATURES

- Four individually switchable Phono/Line inputs, plus a stereo aux input.
- Two input buses, each selects two analog & two digital sources.
- Input Gain, Left / Right Pan controls, and 3-band full-cut EQ with kill switches.
- Mic input with Level and High / Low Tone controls.
- Rane's FlexFX effects loop system, plus built-in digital effects.
- Rane's patented magnetic faders are the most accurate and longest-lasting available.
- Independent Contour & Reverse controls with Channel Swap.
- Both ¼˝ and 3.5 mm headphone output jacks on the front.
- RCA, TRS & XLR outputs, each with dedicated level controls.
- USB 1.1 with 8 channels of streaming 16 bit / 44.1 kHz audio.
- Programmable foot switch input (up to 3 buttons; not included).
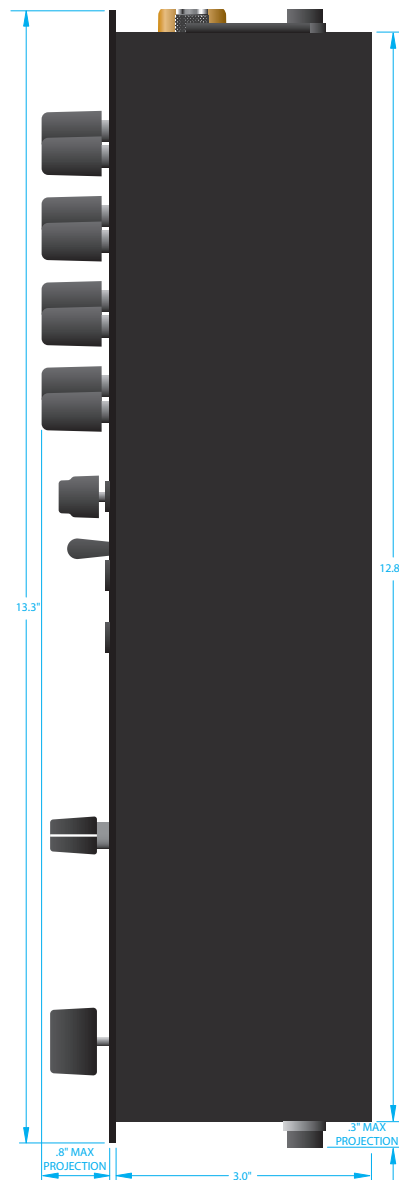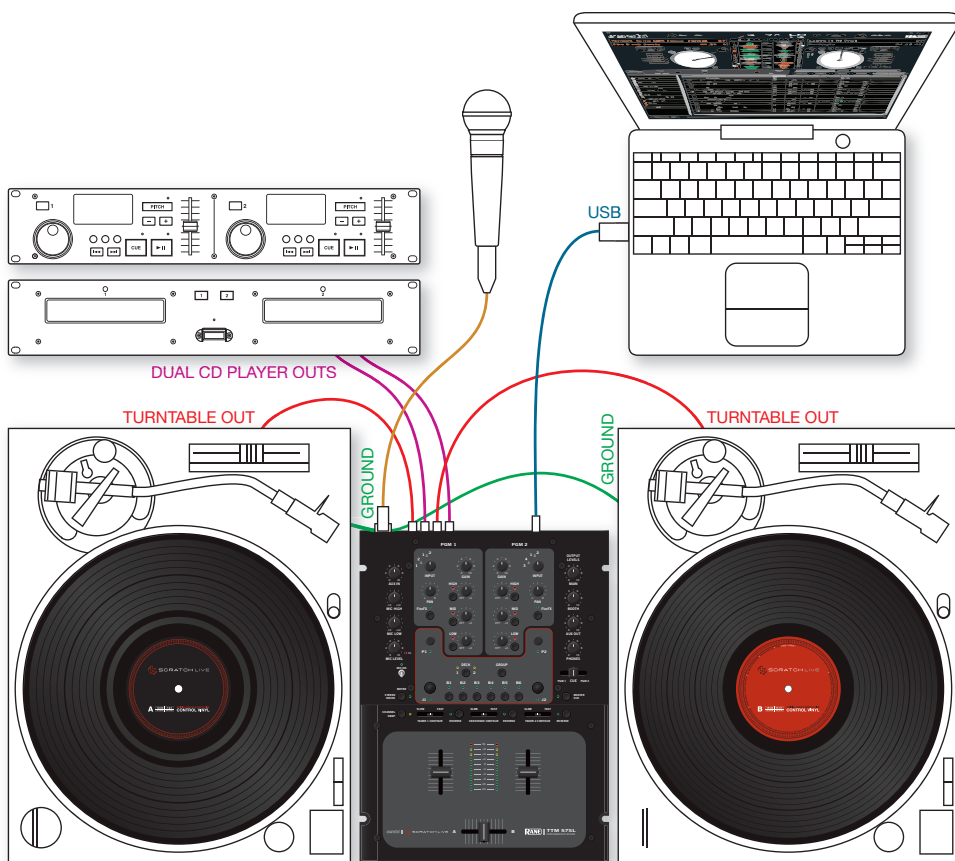- Universal internal power supply works anywhere in the world (100-240 VAC).

SIMULTANEOUSLY:

• Play a combination of digital and analog sources.
• Play two files controlled by vinyl or CD while recording the mix.
• Or, digitize two vinyl records or analog sources simultaneously.
• Cue both analog and digital sources.
• Operate standalone as a no-compromise performance mixer.

TYPICAL SETUP

Use up to four turntables or four CD players, or any combination. MIDI controllers may also be connected to control Scratch Live. See the latest Serato Approved USB Controllers at serato.com.

DIMENSIONS AND WEIGHT

• Front Panel Size: 13.3″ H x 10″ W
         (33.8 cm x 25.4 cm)
• Coffin Depth: 3″   (7.7 cm)
• Mixer Weight: 8.5 lb (3.8 kg)
• Shipping Size: 7.75″ H x 12.75″ W x 19.25″ D
         (19.7 x 32.5 x 49 cm)
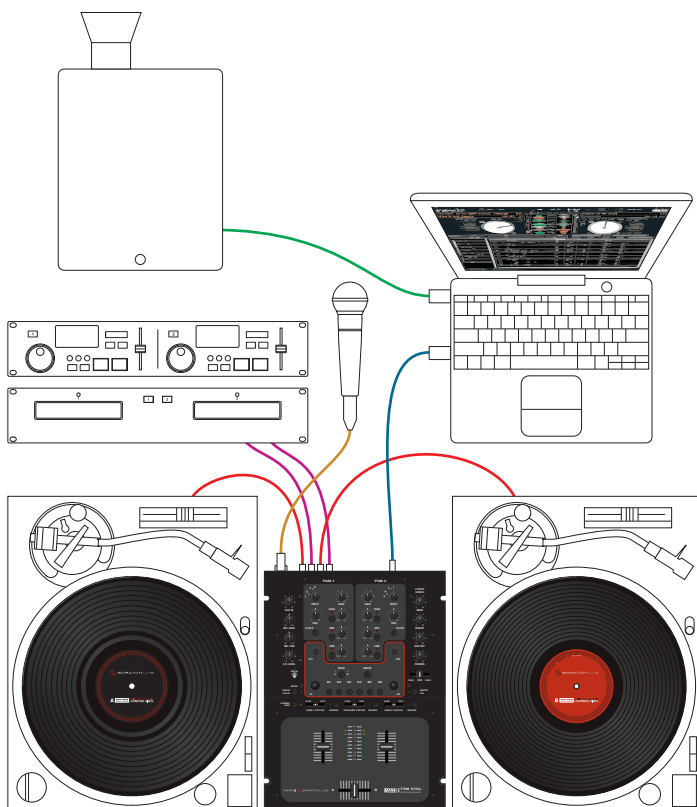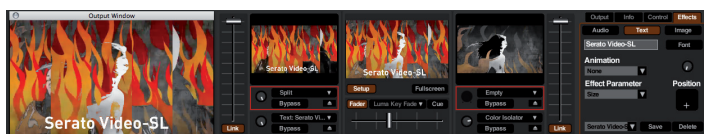• Shipping Weight: 12 lb (5.5 kg)

SERATO VIDEO-SL PLUG-IN

Video-SL is an optional software plug-in for Scratch Live which adds the ability to play and mix video files. Manage a variety of video clips from within the Scratch Live library and load them onto a virtual deck for control with either vinyl or CD. The controls allow you to mix clips with a variety of transitions, as well as apply exciting effects to each clip. The mixed output is sent to your computer's second display output, connecting to external monitors or projectors.

• Add video clips to your Scratch Live performance.
• Use built-in transitions and effects including text and image effects.
• Audio Responsive effects let the music control a variety of live video effects, controlled by analyzing the music signal.
• Videos can be previewed in the Scratch Live offline player.
• MIDI control enables the use of 3rd-party controllers with Video-SL.
• Effects are stored with each video file for instant recall.
• Linked Audio-Effects that follow Scratch Live's DJ FX and the TTM 57SL's audio effects and does the same thing to the video.
• Please visit serato.com for purchases or technical support.

MINIMUM SYSTEM REQUIREMENTS

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

MAC
• 1 GHz G4
• 1 GB RAM*
• 1024 x 768 screen resolution
• OSX 10.3.9 or higher
• Intel Macs require Scratch Live version 1.5 or higher
• Available USB port (USB 2.0 required for SL 3 and Sixty-Eight)

WINDOWS
• Intel processor, 1.5 GHz or better
• 1 GB RAM*
• 1024 x 768 screen resolution
• Windows XP with Service Pack 2 or higher
• Windows Vista with Service Pack 2 or higher
• Windows 7
• Available USB port (USB 2.0 required for SL 3 and Sixty-Eight)

*If you have a large library, you will benefit from having more RAM.

NOTE: If you are using Scratch Live's more system intensive features such as DJ FX or AUX Deck plug-ins, you may need a higher spec computer or make sure you have optimized your system. Read the Computer Optimization Guide at www.serato.com.

NOTE: The optional Video-SL plug-in scales its performance based on the capabilities of your graphics card. 2 GHz minimum processor speed is required. Please read the FAQ at www.serato.com before purchasing.

NOTE: Please read the FAQ at www.serato.com if you are looking at buying a computer with an AMD Turion or Athlon processor.

NOTE: There may be updated requirements to run the latest version of Scratch Live. Please visit serato.com for the latest system requirements.

TTM 57SL SPECIFICATIONS	All specifications typical unless otherwise stated
Analog Inputs	4 Stereo unbalanced RCA jacks
…...Phono or line level input	
…...Phono Response	RIAA ±1 dB, Gain: 30 dB at 1 kHz
…...Max input	133 mV
…...Input Impedance	47.5k Ω, 200 pF
…...Line Gain	+15 dB to off @ 1 kHz
…...Auxiliary Input	Stereo unbalanced RCA jacks
…...Gain	Off to +6 dB
FlexFX Return	Stereo unbalanced ¼″ TS (tip-sleeve) phone jack
FlexFX Send	Stereo unbalanced ¼″ TS phone jack
Mic Input	Balanced ¼″ TRS (tip-ring-sleeve) phone jack
…...Input Impedance	511 Ω, each leg to ground
…...Gain	50 dB 1 kHz
…...Frequency Response	30 to 20 kHz +0, -3 dB, max gain
…...CMMR	>40 dB 1 kHz, max gain
…...S/N	76 dB Re 0 dBFS, max gain, 20 kHz BW
Main/Booth Outputs	Stereo balanced XLR / TRS jacks
…...Frequency Response	15 Hz to 20 kHz +0, -3 dB
…...THD+N	<0.005% re 0 dBFS, 20 to 20 kHz, 20 kHz BW
…...S/N	(balanced output) 102 dB re 0 dBFS, A-weighted
Auxiliary Output	Stereo unbalanced RCA jacks
General Specifications	
…...Maximum Input (all inputs)	4 Vrms
…...Maximum balanced output	8 Vrms (Main and Booth)
…...Maximum unbalanced output	4 Vrms (FlexFx and Aux)
…...Mixer digital audio	24-bit, 44.1 kHz, 102 dB dynamic range
…...USB digital audio	16-bit, 44.1 kHz, 102 dB dynamic range
…...Crosstalk	-75 dB re 0 dBFS, 1 kHz
Universal Power Supply	100 to 240 VAC, 50 Hz to 60 Hz
USB Power	Mixer is self-powered
(Unit dimensions and weight are on page 2)	

INCLUDED IN THE BOX

- TTM 57SL Mixer
- 4 rubber feet for the mixer
- USB cable
- Printed color manual
- Quick Start / Keyboard Shortcuts page
- 2 Control Vinyl Records
- 2 Control CDs
- Scratch Live software install disc
- IEC C5 line cord.

SERATO.COM

New features are always being added and improved, and the latest version of Scratch Live is a free download. The Forum at serato.com is the best place for technical support and performance tips from thousands of other DJs.

WHITELABEL.NET

The Serato Whitelabel Delivery Network is a unique system that allows record labels to digitally deliver promotional releases directly to Scratch Live DJs. To download Whitelabel audio files and sign up for updates on the latest promotional releases, visit whitelabel.net.

RANE.COM

Visit the Rane website the most up-to-date information on all Rane hardware, manuals, accessories, RaneNotes, and the Rane Pro Audio Reference.

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

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 Controllers (optional)

Serato has certified a select range of new generation controllers with USB connectivity to Scratch Live. This means that Scratch Live can now send track information from the software to the supported hardware on-board displays. You can also use the platters, buttons and sliders instantly, as supported hardware has pre-mapped controls for a no-fuss setup. Check serato.com for the latest Serato Approved USB Controllers.