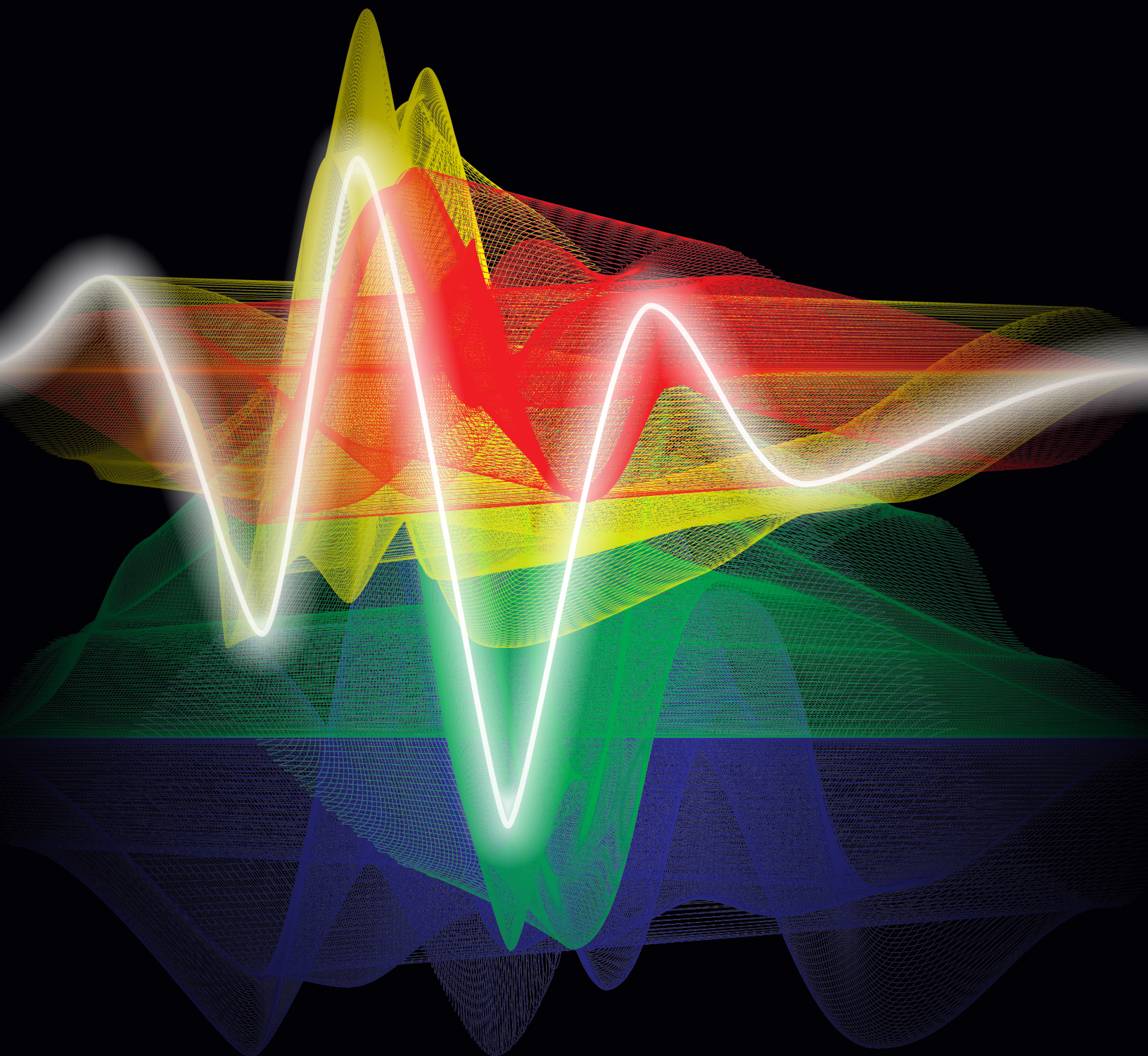


30 YEARS
RIGHT AS 
RANE
PROFESSIONAL AUDIO PRODUCTS
1981 - 2011

DJ EQUIPMENT SUMMER 2011



SERATO SCRATCH LIVE 2.2

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, subcrates 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 www.whitelabel.net.**

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



VIRTUAL DECKS

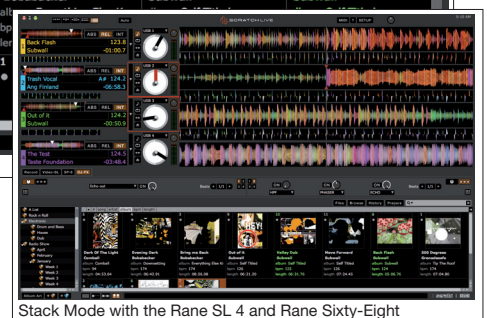
Music files are loaded onto the Virtual Decks, which rotate as the music plays, much like regular turntables or CDJ decks.

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.



Stack Mode with the Rane SL 4 and Rane Sixty-Eight

TOOL TIPS

Handy built-in Tool Tips provide a simple guide to learn the software and 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 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.

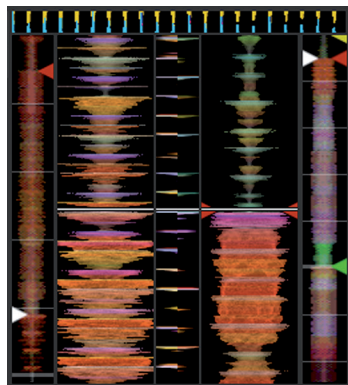
Classic Horizontal Mode displays two decks on the left and right side of the screen with horizontal waveforms in the middle.

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.

Serato Playlists for exporting track play information to your user profile on 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. See page 7.

THE BRIDGE

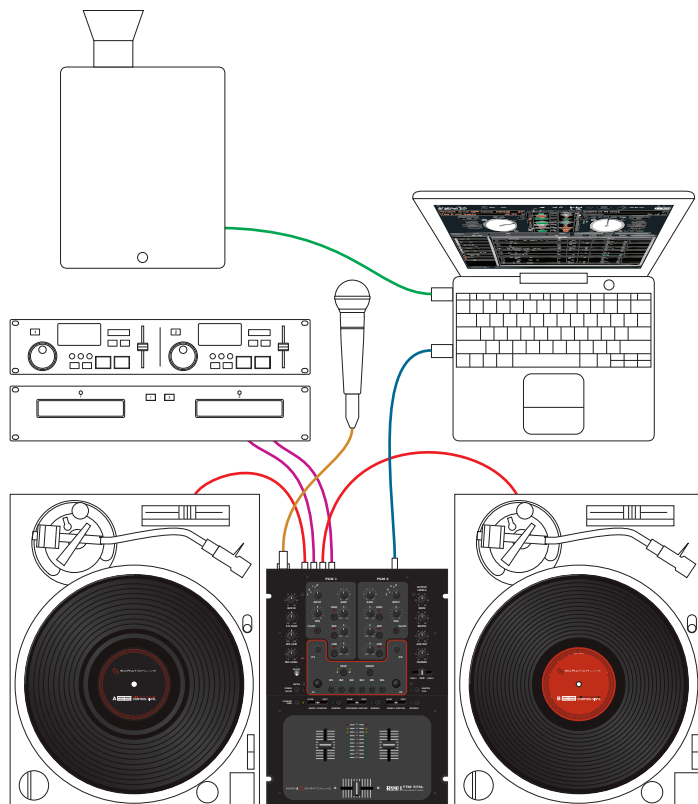
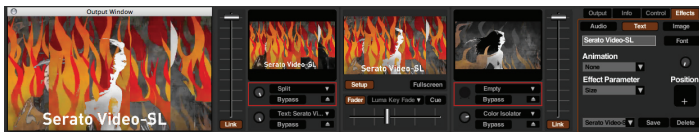
The Bridge allows you to combine elements of Ableton Live with Serato Scratch Live, to create unique performances and to perfect your mixtapes. **The Bridge is free-of-charge for users of Serato Scratch Live 2.1.1 and Ableton Live/Suite 8.2 or above. Visit www.serato.com/thebridge.**

Please read the "Minimum System Requirements for Serato Scratch Live" on page 4.

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.
- The boxed retail version includes overlays for the TTM 57SL.
- Works with the SL 1, SL 2, SL 3, SL 4, MP 4, TTM 57SL and Sixty-Eight.



Serato Video-SL setup using a Rane TTM 57SL

Minimum System Requirements for Serato Scratch Live



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.

- Available USB port (USB 2.0 required for SL 2, SL 3, SL 4 and Sixty-Eight)
- Hard disk space for storing music
- 1024 x 768 screen resolution
- 5400 RPM hard drive. 7200 RPM 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.

*If you have a large library, you will benefit from having more RAM. Before buying a new computer, read the FAQs at www.serato.com.


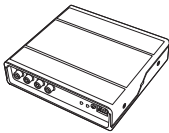
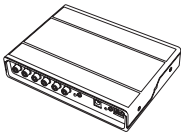
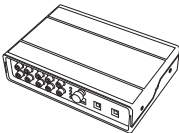
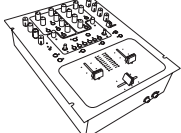
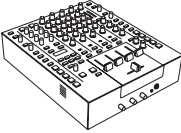
NOTE: If you are using Scratch Live's more system-intensive features like the DJ-FX plug-in, you may need a higher spec computer or an optimized system. Read the Computer Optimization Guide at www.serato.com.

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.

Serato Scratch Live Hardware Comparison Guide

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

SL 1	SL 2	SL 3	SL 4	TTM 57SL	SIXTY-EIGHT
 NO LONGER AVAILABLE					

SOFTWARE FEATURES	SL 1	SL 2	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	•	•	•	•	•	•
5 available cue points	•	•	•	•	•	•
9 available loop slots	•	•	•	•	•	•
DJ-FX	•	•	•	•	•	•
SP-6 Sample Player	•	•	•	•	•	•
Additional SP-6 output			•	•		•
MIDI mappable controls	•	•	•	•	•	•
Virtual Deck gain trims	•	•	•	•	•	•
Master gain trim	•	•	•	•	•	•
Core Audio / ASIO drivers		•	•	•		•

HARDWARE FEATURES	SL 1	SL 2	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 in						•
Two Mic inputs						•
Mic input tone controls					•	•
Mic Input Flex FX						•
USB bus powered	•	•	•	•		
Self powered					•	•
Aux/Session Inputs			•	•	•	•
Aux/Session Outputs			•	•	•	•
RCA Thru Outputs	•					
Software Thru Outputs		•	•	•		
16-bit converters	•				•	
24-bit converters		•	•	•		•
44.1 kHz USB audio	•	•	•		•	
48 kHz USB audio		•	•	•		•
96 kHz USB audio				•		
Video-SL compatible	•	•	•	•	•	•
Pre-mapped Serato Video-SL controls					•	•
Mixer tone controls					•	•
Mixer faders					•	•
Main outputs (XLR)					•	•
Booth outputs (¼")					•	•
Flex FX loop					•	•
Two headphone outputs (¼" and 3.5 mm)					•	•
Built-in mixer effects					•	•
Headphone monitoring					•	•
Split cue monitoring						•

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
- Vestax VFX-1

Rane SL 2 for Serato Scratch Live

The Rane SL series of interfaces with Serato Scratch Live set the standard for vinyl emulation. The SL 2 advances the technology found in the original SL 1 with these improvements:

- CD / Phono input switch on the SL 2 box.
- Superior sounding 24-bit converters.
- Hotter 3 Vrms input and output.
- 44.1 or 48 kHz sample rate selected in software.
- ASIO / Core Audio drivers for 3rd-party support.
- Smaller and more compact die-cast design.

The Rane SL 2 gives you the freedom to take your entire digital music collection on the road with advanced features that add extra creativity to your DJing. This intuitive system replicates the traditional DJing experience for "real feel" usability. Low latency means the response time from touching the decks to hearing an audio signal is extremely fast. Serato engineers developed system level audio drivers that allow accurate and reliable operation at faster speeds than any other similar package.



The Rane SL 2 USB interface connects one or two standard vinyl or CD turntables to your computer using a single USB cable and audio connections to line inputs on your DJ mixer. This system includes two 12" Control Vinyl records and two Control CDs, USB cable, and audio cables to your mixer.

The SL 2 interface box is 5.5" x 5" x 1.3" (14.1 x 12.5 x 3.3 cm). See the "Minimum System Requirements for Serato Scratch Live" on page 4.

RANE || SL 2

THE NEW STANDARD FOR PROFESSIONAL DJS

serato™ || SCRATCH LIVE

- DJ with music files on your computer using Control Vinyl, Control CD or MIDI.
- Connect two turntables or two CD decks selected via the rear panel switch.
- High-quality 24-bit audio with software-selectable 44.1 or 48 kHz sample rate.
- Galvanic isolation guarantees audio is actively isolated from USB and power.
- Creative DJing features: cueing, looping, keylock, sample player and DJ-FX.
- Intuitive file management with crates. Easy file and iTunes playback migration.
- Multiple modes for waveform display and library browsing.
- Built-in recording interface for archiving vinyl.
- Multiple audio file type support: WAV, AIFF, ALAC*, AAC*, Ogg Vorbis and MP3.

* Requires Apple Quicktime (not included).



Rane SL 3 for Serato Scratch Live

Like the world standard Rane SL 1, the SL 3 connects one or two standard vinyl or CD turntables to your computer and the mixer of your choice. 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 soon see why thousands of DJs worldwide choose Rane with Serato Scratch Live.

The SL 3 builds on the success of the SL 1 with several enhancements. The auxiliary input provides a live input feed for creative sampling, recording your set or using a third vinyl turntable or CD deck. The auxiliary output delivers a third deck or the SP-6 sampler output right to your mixer. Studio grade phono preamps and 24-bit audio processing deliver exceptional sound.



The SL 3 includes two 12" Control Vinyl records and two Control CDs, USB cable, and audio cables to your mixer. An international power supply with country adaptors is included to insure optimum performance and easy transfer between DJs. A soft zippered carrying case for the SL 3 is also included.

The SL 3 interface box is 6.8" x 5" x 1.3" (17.3 x 12.6 x 3.3 cm). See the "Minimum System Requirements for Serato Scratch Live" on page 4.

RANE || SL3

ADVANCED THREE-DECK INTERFACE FOR PROFESSIONAL DJs

serato ||  SCRATCH LIVE

SL 3 FEATURE AND PERFORMANCE ENHANCEMENTS

- Supports up to three turntables or CD decks switchable in any combination.
- Aux Input for Live Mix Recording, LiveFeed or a third deck.
- Aux Output can be assigned to the SP-6 Sample Player or a third deck.
- Stack mode allows all three decks on the screen at once.
- Independent Line / Phono-level selection for each input for greater flexibility.
- 6-in 6-out sound card with any software supporting ASIO or Core Audio.
- Software and driver-switchable Direct Thru connections for simplicity.
- External power supply included to provide Direct Thrus without a computer.
- Includes two control records, two CDs, cables and a soft zippered carry case.



Rane SL 4 for Serato Scratch Live

The SL 4 connects four vinyl turntables or CD players to your computer and the mixer of your choice. Using special control vinyl, CDs or MIDI controllers, you can scratch and mix files from your Mac or Windows computer's CD or hard drive. With unparalleled performance, stability and audio quality, you'll know why thousands of DJs worldwide choose Rane with Serato Scratch Live.

The SL 4 is the first standalone DJ interface with two USB ports for seamless DJ changeover and back-to-back performances. Superior sound is delivered with high quality 96 kHz, 24-bit audio. Built-in galvanic isolation between USB and audio, with turn on/off muting, ensures that only the purest interference-free audio signal is heard. Low-latency ASIO and Core Audio drivers allow you to use the SL 4 as a studio production tool with multiple third-party software applications. The SL 4 is masterfully crafted by Rane for the discerning DJ.



The SL 4 includes four 12" Control Vinyl records and four Control CDs, two USB cables, and audio cables to your mixer. An international power supply with country adaptors is included to insure optimum performance. A soft zippered carrying case for the SL 4 is also included.

The SL 4 interface box is 7.25" x 5" x 1.7" (18.4 x 12.6 x 4.3 cm). See the "Minimum System Requirements for Serato Scratch Live" on page 4.

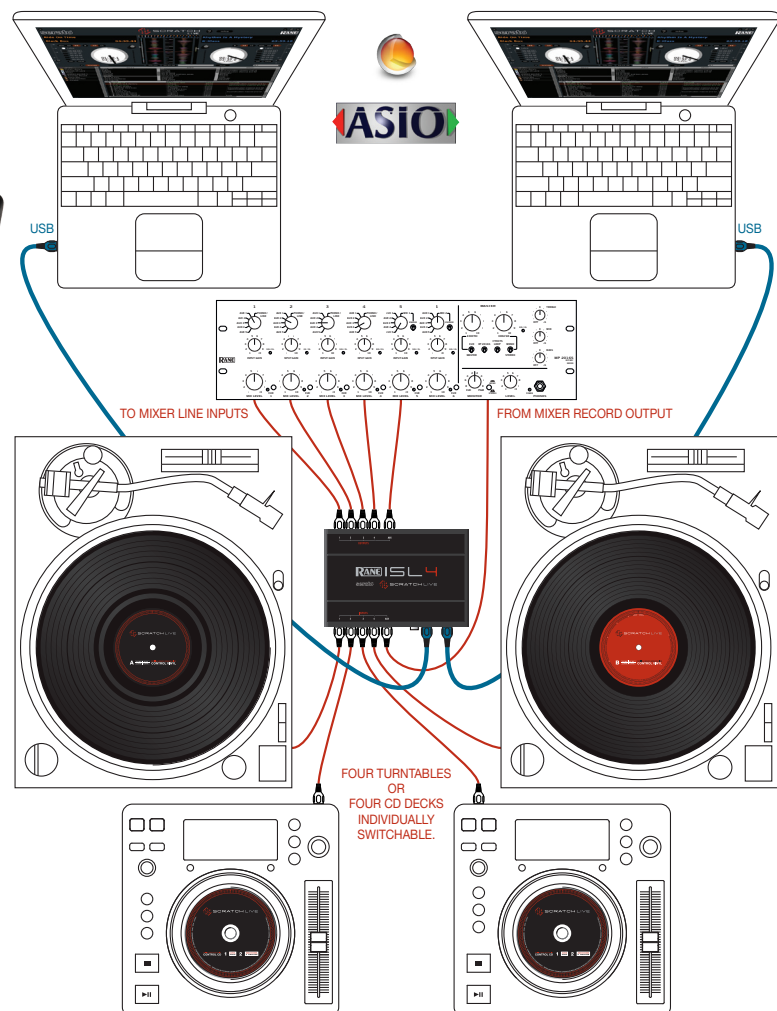
RANE || SL 4

TWO COMPUTERS AND FOUR DECKS USING YOUR FAVORITE MIXER

serato || SCRATCH LIVE

SL 4 FEATURE AND PERFORMANCE ENHANCEMENTS

- Supports four turntables or CD decks switchable in any combination.
- Two high-speed USB 2.0 ports for two DJs for uninterrupted performances.
- Aux Input for session recording or LiveFeed.
- Aux Output assignable to the SP-6 Sample Player.
- Four software-switchable analog Thru connections for regular vinyl/CD.
- 48 kHz and 96 kHz sample rate switch on the SL 4 rear.
- 10-in 10-out USB sound card with any software supporting ASIO or Core Audio.
- Bus power from either USB port or the included external power supply.
- Includes four control records, four CDs, two USB and six RCA cables.



Rane TTM 57SL Performance Mixer for 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. See "Minimum System Requirements for Serato Scratch Live" on page 4.

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.

MAGNETIC FADERS

Rane's patented magnetic faders are the fastest, most accurate, and longest-lasting on the planet. No travel noise or bleed ever!

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.

HARDWARE FEATURES

- 4 switchable phono/line inputs, plus a stereo aux input.
- Two input buses, each selects 2 analog & 2 digital sources.
- Input Gain, Left / Right Pans, and 3-band full-cut EQ with kills.
- Mic input with Level and Tone controls.
- Rane's FlexFX effects loop system, plus built-in effects.
- Independent Contour & Reverse controls with Channel Swap.
- Both 1/4" and 3.5 mm headphone output jacks.
- RCA, TRS & XLR outputs, each with dedicated level control.
- USB 1.1 with 8 channels of streaming 16 bit / 44.1 kHz audio.
- Programmable foot switch input (up to 3 buttons; not included).
- Unit size: 13.3"H x 10"W x 3"D (33.8 cm x 25.4 cm x 7.7 cm)



4 turntables or
4 CD decks or
any combination.

Rane Sixty-Eight Club Mixer for Serato Scratch Live

TWO COMPUTERS, TWO USB PORTS, UP TO FOUR DECKS AND A RANGE OF EFFECTS.

Introducing the first Scratch Live compatible DJ mixer that allows two computers to be connected simultaneously. Using two USB ports, the new Rane Sixty-Eight mixer lets two DJs play Scratch Live at the same time, allowing for seamless handover from one DJ to another. You can also control up to four decks with a single laptop.

Armed with studio-grade phono preamps, USB and S/PDIF inputs, the Sixty-Eight can allow a blend of analog and digital audio sources like never before. It features easy internal digital effects with on-beat effect switching, external analog insert support for legacy hardware effects, and USB insert support for computer-based effects.

- Two independent USB 2.0 high speed ports, each supporting 22 floating point 32-bit audio channels at 48 kHz.
- Direct control of over 30 Library, Cue and Loop functions.
- Support for two, three or four Virtual Decks in Scratch Live.
- Flexible USB recording options, record from any input or output.
- 3-band, full cut EQ with new High-pass / Low pass Filter.
- Unique FlexFX bus with six internal effects plus USB and analog insert support for computer-based effects.
- Input Channels:
 - Four stereo Phono / CD inputs of Phono / Line or S/PDIF.
 - Four stereo Auxiliary inputs.
 - Four stereo USB playback options.
 - Two independent microphone inputs: one with phantom power and one with line-level input switches.



SIXTY-EIGHT MIXER CONTROLS

Mic 1 allows +48 volt switchable phantom power.
Mic 2 allows switchable Mic or Line-level input.
Both Mics have 2-band full-cut tone controls.
Either Mic can route to FlexFX or record to USB.

The outer strips directly control Serato Scratch Live functions such as Cue Points, Loops, Track Library, and recalling custom Groups.

In Auto mode, Loop buttons use the Scratch Live auto-loop, lighting the buttons green. In Manual mode, Loop buttons use manual looping features, lighting the buttons orange. Select knob adjusts the loop length.

FlexFX are stackable:

- Six internal effects with seamless on-beat switching between effects.
- External Insert engages the external analog Effects Loop.
- ↵-5 Insert engages software effects through USB.

Recall Cue Points with "Hot Cue" behavior supported in Scratch Live.

Four Program buses, each includes:

- Four Phono - Line - S/PDIF Inputs.
- Four Aux Line Inputs.
- Four USB playback Inputs.

Two USB ports, each with six stereo record channels and five stereo playback channels simultaneously available, allows two DJs with their own laptops to share the mixer.

The Control Point button selects the USB port in control of the control strips.

Back buttons shift between crates & tracks. Scroll knob scrolls crates & tracks, click it to load the track to a deck.

Program buses include 3-band full-cut tone controls plus sweepable Low-pass / High-pass cut filters.

Level controls on each Output:

- Main Output on XLR jacks
- Booth Output on 1/4" TRS
- Session Output on RCA

True Split Cue for any Program bus or the FlexFX submix with effects to the front panel 1/4" and 3.5 mm headphone jacks.

The FlexFx Loop can create a sub-mix with any combination of the four Program buses and two Mics, and then add internal or external effects. This submix may be recorded via the USB Send, or output by the analog FlexFx Loop Send.

Controls the level of the FlexFx signal to the Main Mix.

Supports 2, 3 or 4 Virtual Decks in Serato Scratch Live on one or two computers.

Contour controls adjust faders and the Crossfader for a smooth transition or a fast cut.

The Crossfader is a no-noise, no-bleed magnetic fader.

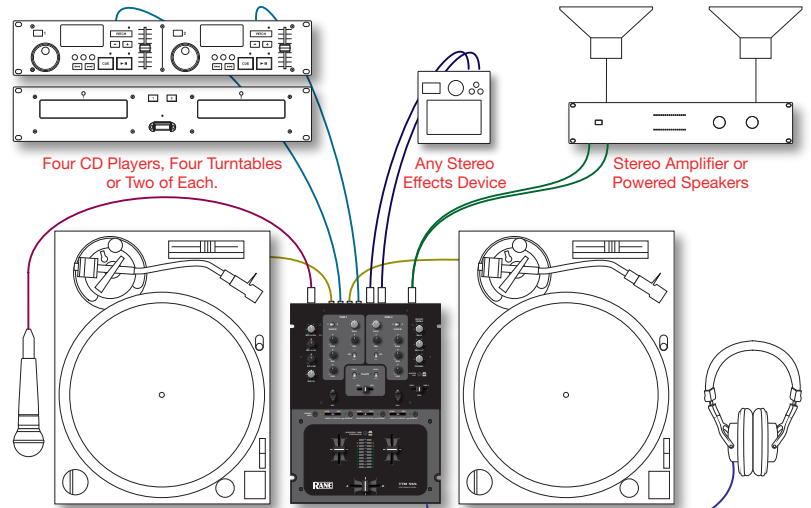
Record to USB from any Program bus, any Mic or the Main Output.



TTM 56S Performance Mixer

Rane takes performance mixer design as seriously as DJs take their art form. The TTM 56S is flexible, durable, and feature packed. The audio quality qualifies it for use in the most demanding live venue, recording studio or live broadcast applications.

- Mic input with EQ and mic effects loop.
- Faders and Crossfader have Contour and Reverse controls.
- Stereo Aux Input for session mix, iPod® or keyboard.
- Stereo Aux Output for session mix, booth or recording.
- Post-fader FlexFX™ allows external reverb and echo decay effects to respond to fader action without cutting off tails.



TTM 56 TO TTM 56S IMPROVEMENTS

The world's most popular battle mixer is even better:

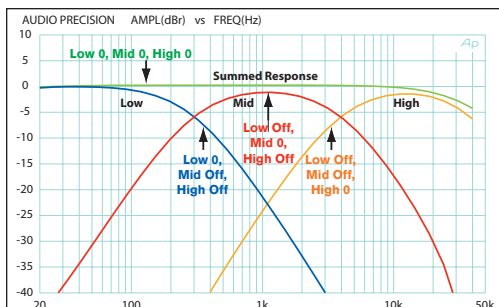
- Internal universal power supply works anywhere (100-240 VAC).
- All four inputs are now Phono/Line switchable, letting you connect 4 turntables or 4 CD players in any combination.
- Both 1/4" and 3.5 mm headphone jacks are on the front.
- Transform switches are now Kill switches.
- Operation is simplified by putting all the controls on top.
- Unit size: 13.3"H x 10"W x 3"D (33.8 x 25.4 x 7.7 cm)

NON-CONTACT CROSSFADER AND CHANNEL FADERS

Rane's patented magnetic fader is the fastest, most accurate, and longest lasting on the planet. The design uses non-contact magnetic position sensor technology previously reserved for aerospace and industrial applications. Unlike optical non-contact faders, the magnetic fader is impervious to smoke, moisture, temperature and aging. The electrical performance is totally unaffected by use. No noise, no bleed — ever!

3-BAND ACCELERATED-SLOPE™ FULL-CUT TONE CONTROLS

High, Mid & Low tone controls react from +6 dB to off: full bass and treble cut on each channel. Engage switches allow A/B comparison and the ability to quickly cut or add tone effects.



Empath mixers combine the vision of Grandmaster Flash and Rane technology. The name implies understanding, awareness and sensitivity to the needs of DJs. The top plate is durable Lexan™ available in four different colors, and all have these features:

- 3 phono/line switchable inputs plus a mic input and a stereo Aux input.
- 3 mixing buses, each with 3-band Accelerated Slope™ full-cut EQ (+6 dB to off).
- Switchable Auto-Gain prevents program level jumps when changing sources.
- Post-fader FlexFX™ lets external reverb and echo decay tails respond to fader action.
- Contour controls for Fader 1, Fader 3 and the Crossfader.
- Headphone outputs include tone controls with both 1/4" & 3.5 mm jacks.
- Universal internal power supply works anywhere in the world (100-240 VAC).
- Unit size: 13.3"H x 10"W x 3"D (33.8 cm x 25.4 cm x 7.7 cm)

Empath Black

- Black Lexan finish.



Empath Blue

- Original blue and silver Lexan finish.



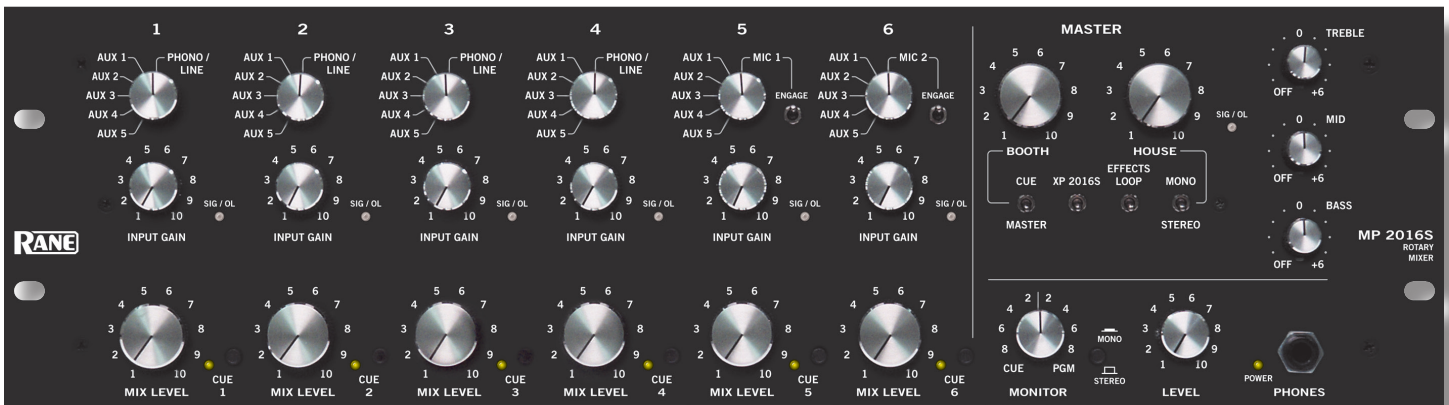
Empath Rotary

- Black Lexan finish.
- Rotary channel faders.



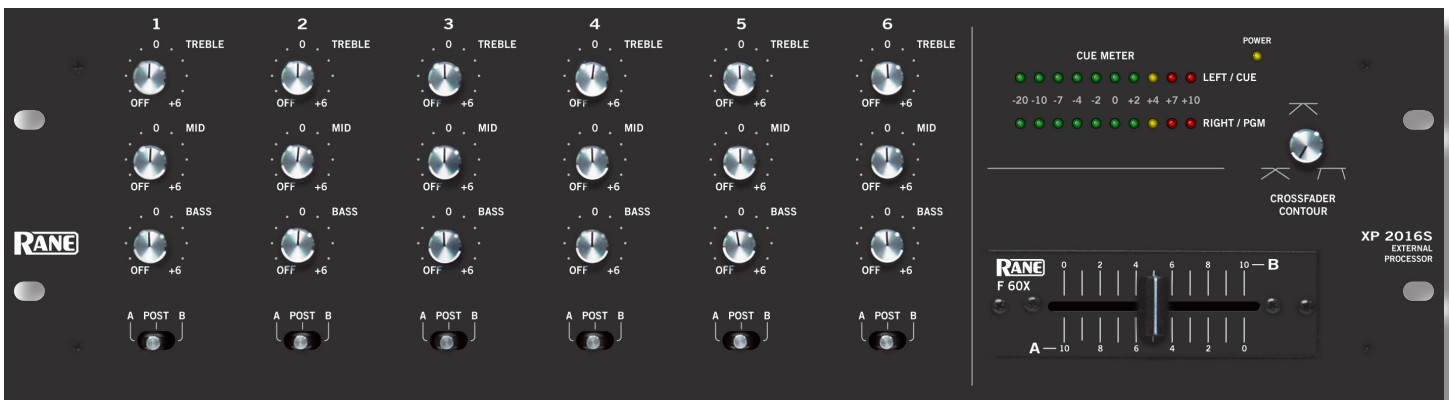
Empath Signature

- Black and gold Lexan finish.
- Signature by Grandmaster Flash.
- Includes deluxe road case.



MP 2016S Rotary Mixer

- 6 stereo input buses with 4 phono preamps, 2 mic/line preamps and 5 aux line inputs.
- Each bus includes initial input gain controls and individual cue switches. A high-powered headphone amplifier features split master/cueing.
- The Booth output is switchable master or cue. The Mic Engage switches can duck the Booth outputs 12 dB (internally defeatable).
- The Master (House) output features Accelerated Slope™ 3-band full-cut tone controls with a range of +6 dB to off.
- Switchable stereo effects loop; Pre- & post-effects tape outputs; RCA inputs, XLR mic/line inputs, 1/4" effects loop, XLR and RCA outputs.



optional XP 2016S Processor

- Adds Active Crossfader™ with full-range Contour control and Individual Crossfader assign switches.
- Adds Accelerated Slope™ 3-band tone controls to each input bus.
- Master/Cue meters follow the headphone split cue selection.
- A single ribbon cable connects the XP 2016S to the MP 2016S (included).
- Internal universal power supplies work anywhere in the world (100-240 VAC).
- Size (each unit): 5.25"H x 19"W x 5.3"D (13.3 cm x 48.3 cm x 13.5 cm).





MP 44 DJ Mixer

- 4 input channels: each with phono & line inputs, trim, crossfader assignment, FlexFX™ effects assignment, and 3-band tone controls.
- Accelerated Slope™ tone controls deliver 3 bands of full-cut (+6 dB to off) EQ on each of the 4 input channels.
- FlexFX™ allows Effects loop processing of the 4 inputs in any combination with A, B, or Post Crossfader assignment.
- Long-lasting VCA-controlled faders; 2 additional aux inputs; 2 mic inputs with dedicated EQ and their own effect loops.
- Master output limiter; Booth mic ducker; Automatic emergency page input; Optional remote level control (shown below).
- Engageable crossfader CD triggers; Light trigger output; FlexFX and Master effects loops; House, Booth, and 2 Aux outputs.
- Unit size: 8.75"H x 19"W x 5.3"D (22.2 cm x 48.3 cm x 13.5 cm).



Optional

VR 1

Volume Remote Level Control





MP25 Club Mixer

Stream 4 live tracks from your favorite DJ software, while mixing these with vinyl and CD through your VST effects, and record the program buses and mics or the main mix with another application.

INPUTS

- Four individually switchable stereo Phono/Line inputs.
- Four stereo Auxiliary inputs.
- Four stereo USB playback inputs.
- Two microphone inputs with optional Talkover ducking:
 - One with front and rear panel connectors.
 - One with a line-level input option.

OUTPUTS

- Stereo Main Outputs on balanced XLR and unbalanced RCA:
 - Rear panel Mono/Stereo switch.
 - Rear panel Max Out level attenuator.
- Stereo balanced 1/4" TRS Zone and Booth outputs:
 - Auto-mono output on both Left and Right jacks.
- Stereo Record outputs on RCA, S/PDIF and USB.



Plays well with others:

Ableton, GarageBand, PCDJ, Traktor, Virtual DJ, etc.

- Low-latency ASIO / Core Audio drivers eliminate delay between the control input to audio software and the audible result.
- Multiclient ASIO / Core Audio drivers allow multiple software applications to simultaneously stream audio to and from the mixer.
- Four stereo playback channels stream audio directly from your favorite playback, mixing, beat-making, and looping applications to the MP25's digital mixer engine.
- Four stereo record channels stream the four post-fader program channels to your audio application for multitrack recording. A fifth stereo record channel streams Mic 1, Mic 2, or the Main Mix.
- The USB Effects Loop enables insertion of computer-based effects processors into the MP25's powerful FlexFX bus.
- The MP25 front panel is MIDI-mappable, allowing control of audio application parameters using the mixer's control surface.
- Links to third-party software applications at rane.com/mp25.html.



The MP25 fits in a 4U rack or coffin, able to replace a classic Rane MP 24, MP 22 or MM 8z series Mixer. [7" H x 19" W x 4.6" D] (17.8 cm x 48.3 cm x 11.7 cm)

Two Mic Inputs

- Mic 1 allows connection to either front or rear jack.
- Mic 2 allows switchable Mic or Line level Input.
- Record Mic 1, Mic 2, or the Main Mix via USB.

Each Mic includes

- Pan and 2-band full-cut tone controls.
- FlexFX bus assignment to effects.
- Talkover mode engages the mic and automatically ducks all other program inputs by 10 dB.

Four Program buses each include

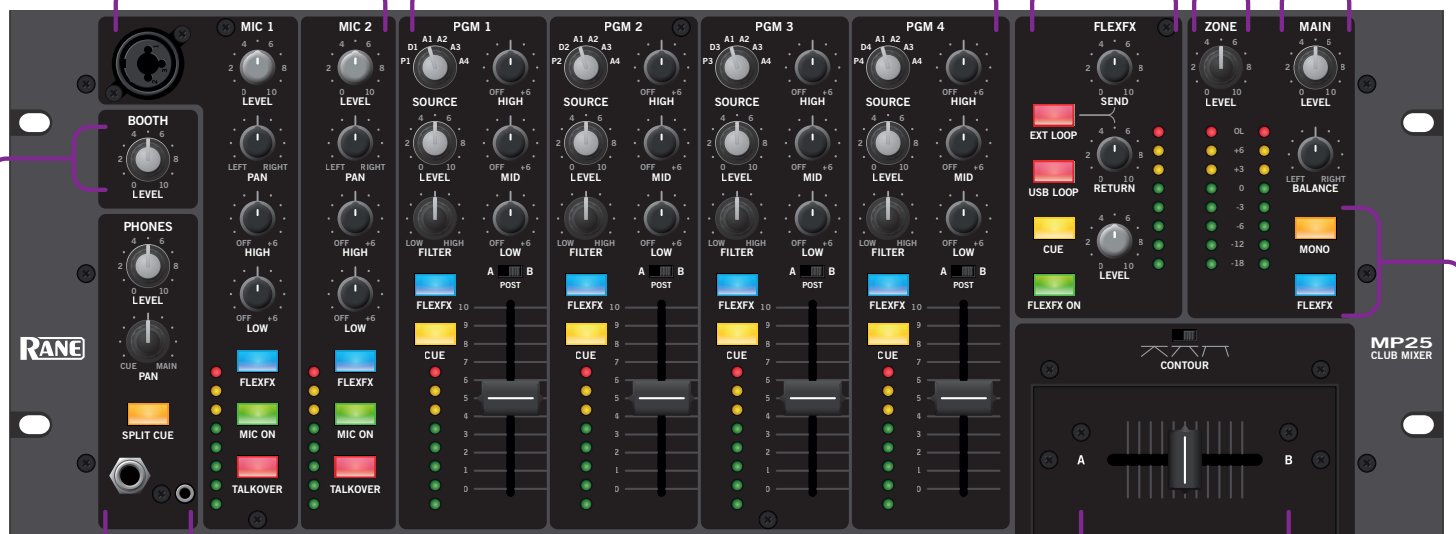
- Selection of a Phono / CD Input, USB playback Input, or any of the four Aux Inputs.
- 3-band full-cut tone controls.
- Sweepable Low-Pass / High-Pass filters.
- Crossfader A, B, or Post assignment.
- FlexFX bus assignment to external effects.
- Pre-fader cue bus assignment.
- 60 mm long-throw program fader.

FlexFX™ Bus

Routes all assigned audio channels to individually selectable analog and USB effects loops. The analog loop provides Send and Return Level controls, and auto-mono unbalanced 1/4" TS connectors. The effected signal may be assigned to the Cue bus.

Main Output (XLR and RCA) includes Balance and Level controls, and rear panel Mono and 0-24 dB attenuation controls.

Zone Output with a Level control and auto-mono balanced 1/4" TRS outputs.



The **Booth** Output includes a Level control and auto-mono balanced 1/4" TRS outputs.

Phones accept both 1/4" and 3.5 mm plugs. Level, Pan and Split Cue controls support different monitoring styles.

The **Crossfader** is a no-noise, no-bleed magnetic fader with three contour settings.

The Main Mix may be assigned to the FlexFX bus and Monoed.

MP25 FLEXFX

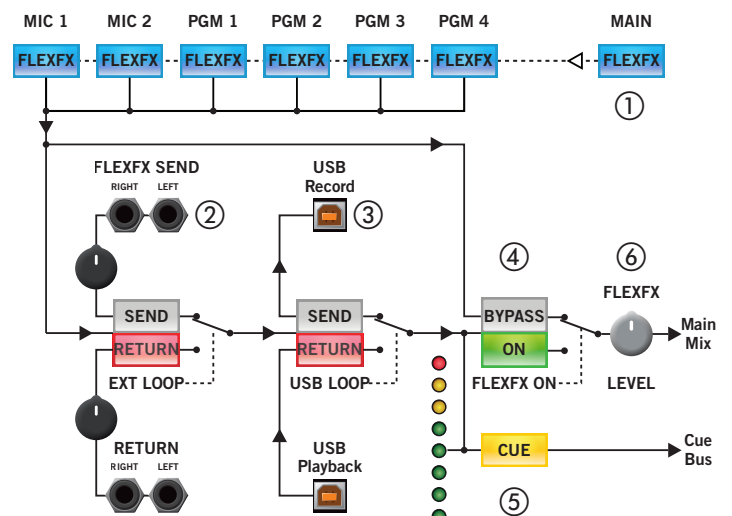
The FlexFx architecture in the MP25 is more powerful than typical effect insert solutions. The architecture includes the FlexFx Bus, an auxiliary bus routed to the FlexFx Loop which includes two independent effects inserts. Any combination of PGM 1-4 and Mic 1-2 may be routed to the FlexFX Bus. Any combination of external analog and USB effects may be applied within the FlexFX Loop. It's possible to cue and meter the FlexFX Loop return. You may also bypass the entire FlexFX Loop using a single button to instantly punch in and out a combination of effects. The final FlexFX Level controls the amount of the FlexFX audio in the Main Mix. The FlexFX architecture allows you to quickly apply any combination of effects to a variety of sources to produce unique, compelling mixes on the fly.

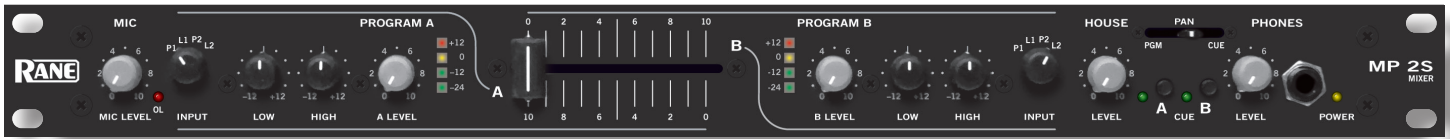
The order of processing in the MP25's FlexFx architecture is:

- ① Independent FlexFx assign for PGM 1-4 and Mic 1-2, or assign all sources simultaneously with the Main FlexFX button.
- ② Ext. Analog Insert, with Send and Return Levels.
- ③ USB Insert.
- ④ FlexFX Loop return Cue and Meter.
- ⑤ FlexFx On (FlexFX Loop Bypass).
- ⑥ FlexFx Mix Level control.

External Audio Effects — Any stereo effects unit connected to the Send and Return can be inserted independently or in combination with other effects. The external analog loop includes Send and Return Levels to match mixer and processor audio levels.

USB Effects — Your favorite effects plug-ins on your computer can be inserted independently or in combination with other effects using the FlexFX USB Insert.



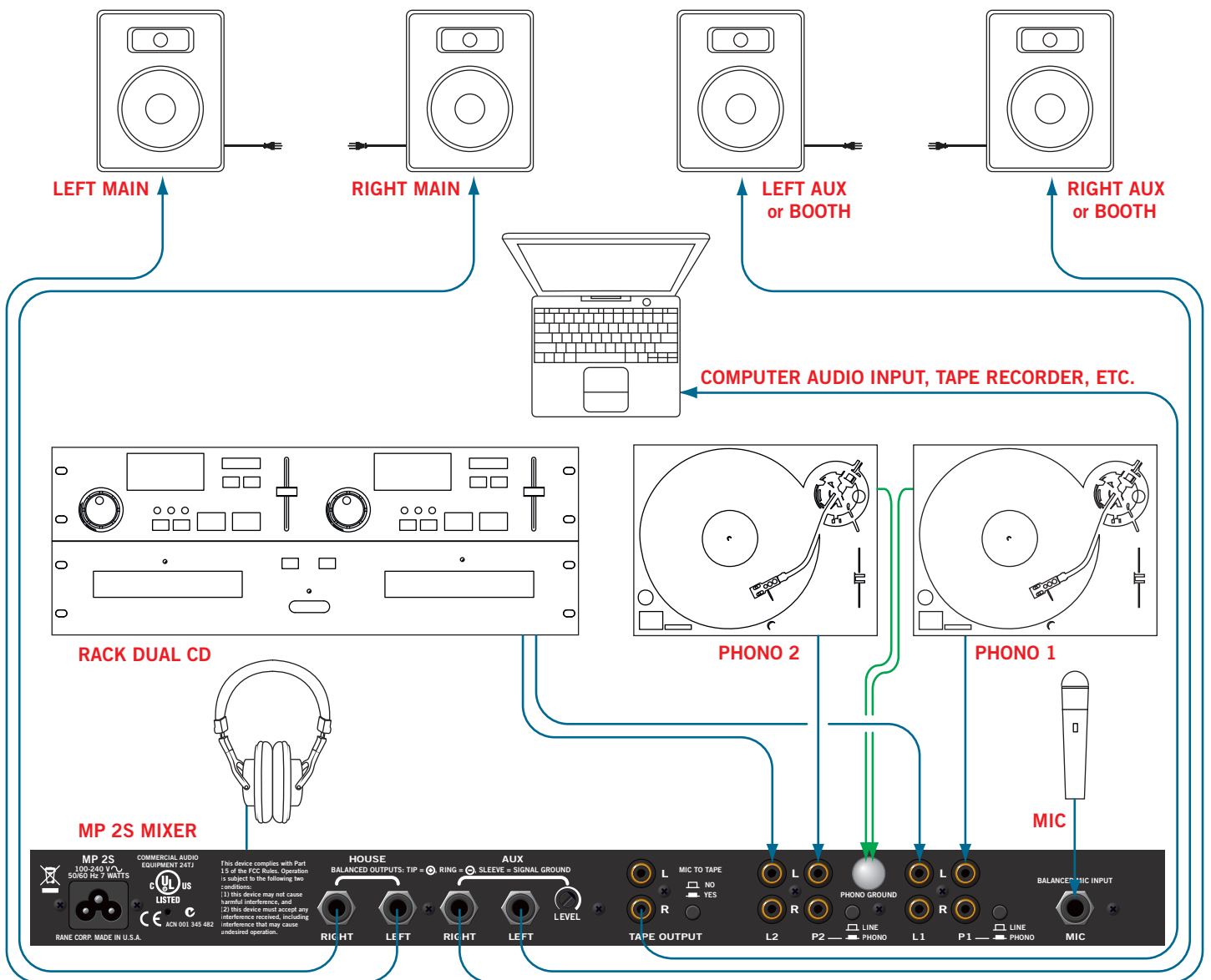


MP 2S Compact DJ Mixer

The MP 2S is the answer anywhere rack space is a premium or mobility is a must: Mobile DJ, club, remote broadcasting, remix or post production.

- 2 Phono/Line and 2 Line (total of 4) inputs to 2 crossfader buses, each with its own ± 12 dB Low and High tone controls.
- Each Program bus selects any of the four stereo Inputs, so any Input can appear on either side of the Crossfader.
- Long-lasting 60 mm VCA Active Crossfader™
- Versatile and easy headphone cueing.
- Balanced 1/4" TRS Mic Input with front panel volume control.
- RCA Tape outputs are switchable Pre- or Post Mic.
- House and Aux are balanced 1/4" TRS outputs.
- Internal 100-240 VAC power supply works anywhere in the world.
- Unit size: 1.75"H x 19"W x 5.3"D (4.4 cm x 48.3 cm x 13.5 cm)

EXAMPLE SYSTEM



Scratch Live Accessories

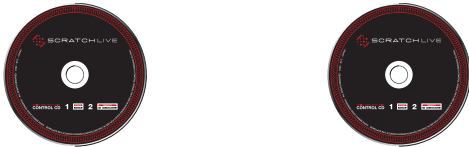
Control Vinyl Replacement

- 12" vinyl record with Serato's exclusive control signal.
- Allows Scratch Live to track the motion of the record.
- Side A: 10 minutes plus vinyl select track. Side B: 15 minutes.
- Limited edition colored control vinyl may be available from your dealer.



Control CD Replacement

- A pair of CDs with Serato's exclusive control signal.



Rane Mixer Accessories

Mixer Road Cases

Order the model CASE 2 to fit any Empath model, TTM 56S or the TTM 57SL. Order the CASE 4 model to fit the Sixty-Eight mixer. There is a compartment underneath the mixer for extra items such as cables.

- Outside measurements: 7.5" x 15.75" x 19.75" (19 x 40 x 50 cm).
- Shipping weight is 10 pounds (4.54 kg); Case is 9 pounds (4.08 kg).



MFC 1 Mixer Foam Cover

This dense foam cover is an inexpensive protection for all the knobs and sliders on your precious TTM 56S, TTM 57SL or Empath mixer. The cover quickly and easily hugs your mixer with two velcro straps. Put your mixer in a suitcase or backpack without fear of damaging any controls.

- Cover measurement: 1" x 10.5" x 13.5" (2.6 x 26.7 x 34.3 cm).
- Cover weight is only 5.2 ounces (148 grams).
- Shipping weight is 1 pound (400 grams).



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Rane 2+ Year Limited Warranty

Rane's standard warranty covers parts and labor for 2 years from the date of purchase. Completion of the Rane Warranty Form (mail or online) entitles the owner to a 1 year extended warranty (for a total of 3 years [valid in U.S.A. only]).

www.rane.com

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

www.serato.com

For the most up-to-date information on Serato Scratch Live software, downloads, support, forum, how-to videos and Whitelabel.net.

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