

# Rane Sixty-Four Mixer for Serato DJ

You've mastered mixing and scratching on two decks. Pushing the limit is your nature, time to raise the bar. More channels, decks & effects...challenge accepted.

Includes Serato DJ with 4 Serato Control Vinyl and 4 Serato Control CDs.

Includes ASIO and Core Audio drivers.



Rane is pleased to introduce the Rane Sixty-Four Mixer for Serato DJ, routing your productions to a higher level. It is compact and portable with the ergonomics and features required for many mixing styles and musical genres. It equally accommodates mixing analog, digital vinyl system (DVS), digital or a combination of these. While designed for and bundled with Serato DJ software, high-performance Rane ASIO and Core Audio drivers also allow operation with many 3rd-part DJ software applications.

The Sixty-Four's integration with Serato DJ software provides intuitive control of software features like Libraries, Sync, Slip, Jump-to-loop and samples, without taking your eyes off the mixer or packing more gear. Four layers of MIDI mappable controls provide the flexibility required for any combination of Serato DJ and 3rd-party applications.

The Rane Sixty-Four FlexFx Loop provides ultimate control of your audio effects. Quickly and easily add and remove audio channels from the loop, apply any of the six built-in beat synchronized effects, use Serato DJ iZotope effects post-fader and add an external effects processor, in any combination!

Seamlessly switch from one DJ to the next using any combination of Serato DJ and 3rd-party software. With a computer plugged into each of the two USB ports, simply switch a mixer source selector to the desired USB source, and audio and MIDI are instantly assigned. 22 channels per USB port provide the resources you need for music production, remixing, and routing iZotope effects to your post-fader mix.



# Sixty-Four Overview

## software controls are built-in for one or two computers

- Includes Serato DJ software.
  - Includes Rane ASIO and Core Audio Drivers for Serato DJ and other audio programs.
- Advanced MIDI and audio routing: route any deck to either USB Port, and MIDI follows the audio.
- Control Library, Cues, Loops and Samples on two computers.
  - 30 controls with 157 unique mappings for software.
- Each of the two USB ports supports six stereo record and five stereo playback channels.
- USB record channels support:
  - Vinyl control signal for four Virtual Decks, or record any one of the four Decks post-fader.
  - Record the Main Mix, Mic 1 or Mic 2.
  - FlexFX USB Insert Send to each computer.
- USB playback channels support:
  - Playback for four Virtual Decks.
  - FlexFX USB Insert Return from each computer.
- Great-sounding 32-bit floating-point audio sampled at 48 kHz.

## deck input channel controls

- Pre-fader Level, 3-band isolator tone controls with full cut.
- Low-pass / high-pass sweep Filter with resonance adjustment.
- Crossfader, FlexFX and headphone Cue assigns.
- Proprietary magnetic crossfader with a contour control.
- Contour control for the channel faders.

## two mic inputs

- Mic 1 includes a Phantom power switch.
- Mic 2 includes a Mic / Line level switch.
- Controls: On / Off, Level, Pan, Tone and FlexFX assign for each Mic.
- Unused Mic controls easily map to MIDI.

## advanced post-fader FlexFX

- Internal Effects engine with:
  - Filter, Flanger, Phaser, Echo, Robot and Reverb.
  - MIDI beat clock track and generate.
  - Sync BPM with Serato DJ, MIDI beat clock or manual Tap button.
- USB Insert loop for post-fader software effects for each of the two ports.
- External analog insert loop for outboard effect units.

## main mix section

- Balanced XLR Main Mix and 1/4" TRS Booth outputs.
- RCA analog and S/PDIF Session In / Out.

## headphone monitor with split-cueing



# Sixty-Four FlexFX

The FlexFX loop is a submix that may include any combination of the four Deck Inputs, Mic 1 and Mic 2. This allows you to create a unique submix, add internal or external effects to the submix, and record or rehearse the submix.

The FlexFX Loop consists of these in order of processing:

- Internal Effects Engine.
- External Analog Insert Loop with adjustable Sensitivity.
- USB Inserts.

External and USB Inserts are selected individually and available with or without an internal effect. The FlexFX Cue monitor “listens” to the affected signal before it is introduced to the Main Mix through the Level control and the On switch. You can add internal or external effects to the signal, and Cue it in the headphones before turning the FlexFX on.

## internal audio effects

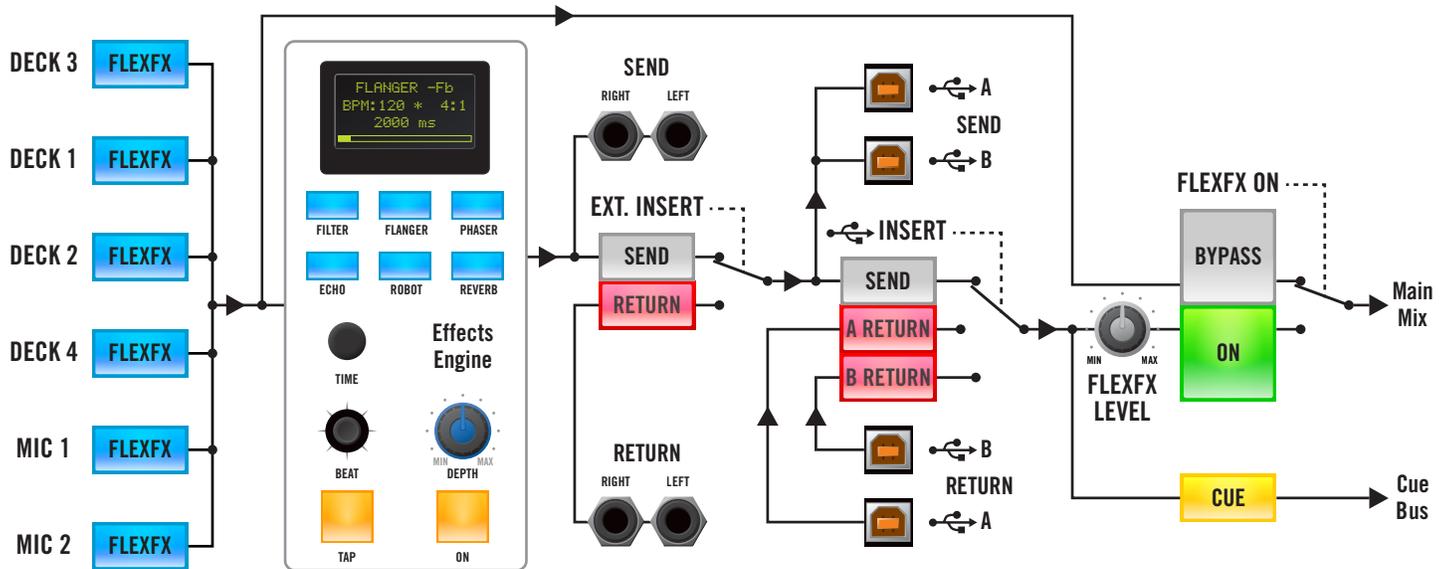
The six built-in effects are Filter, Flanger, Phaser, Echo, Robot and Reverb. The Sixty-Four has the ability to synchronize most of its internal effects to songs tagged with BPM values.

## external audio effects

Connect your favorite stereo effects unit to the FlexFX Loop Send and Return 1/4" jacks. This can be inserted independently or in combination with other effects.

## USB effects

Serato DJ includes iZotope FX, providing ever more dimensions to your mix. VST and AU effects from other software are also available through the Core Audio and ASIO drivers.



## Two USB Ports

Each of the two USB ports can stream 22 channels of low-latency audio.

USB Playback	Stereo Pair	USB Audio Description	Mixer Use
1	1-2	Deck 3 Playback	Select  A or  B in channel 3
2	3-4	Deck 1 Playback	Select  A or  B in channel 1
3	5-6	Deck 2 Playback	Select  A or  B in channel 2
4	7-8	Deck 4 Playback	Select  A or  B in channel 4
5	9-10	USB Insert Return	Select a FlexFX  A Insert or  B Insert
<b>USB Record</b>			
1	1-2	Record Deck 3	Route to  A or  B with the channel 3 source selector
2	3-4	Record Deck 1	Route to  A or  B with the channel 1 source selector
3	5-6	Record Deck 2	Route to  A or  B with the channel 2 source selector
4	7-8	Record Deck 4	Route to  A or  B with the channel 4 source selector
5	9-10	USB Insert Send from the Mixer	FlexFx  A and  B Inserts send simultaneously
6	11-12	Record the Main Mix or Mics	Select Main Mix or Mics in the Control Panel, sent to  A and  B

# Sixty-Four Specifications

All specifications typical unless otherwise stated

<b>Four Analog Deck Inputs:</b> PH/CD switchable	Stereo unbalanced RCA jacks
Phono Response	RIAA $\pm 1$ dB, Gain: 31 dB at 1 kHz
Max Phono Input	126 mV
Max Line Input	4 Vrms, all unbalanced inputs
<b>One Analog Aux Input:</b> Line Level	Stereo unbalanced RCA jacks
<b>One Session Analog Input:</b> Line Level	Stereo unbalanced RCA jacks
<b>Session S/PDIF I/O</b>	RCA jacks
Input 16-bit or 24-bit PCM only	Sample Rate 16 kHz to 144 kHz
Output 24-bit	Sample Rate 48 kHz
<b>ADCs</b>	24-bit, 48 kHz; Dynamic range 103 dB A-weighted
<b>DACs</b>	24-bit, 48 kHz; Dynamic range 107 dB A-weighted
<b>Digital Signal Processing</b>	48 kHz, 32-bit floating point
<b>USB Audio</b>	Two independent ports
Six Stereo Record, Five Stereo Playback	48 kHz, 32-bit floating point
<b>FlexFX Send / Return</b>	Stereo unbalanced ¼" TS (tip-sleeve) phone jacks
<b>Two Mic Inputs</b>	Balanced ¼" TRS & XLR combination jacks
Single-knob High / Low Tone Controls	
Mic 1 has a +48V Phantom Power switch	Turn on for a condenser mic
Mic 2 has a Mic / Line-level switch	Choose Line to connect a wireless receiver
<b>Line Outputs</b>	Main, Booth, Session Out, FlexFX Loop Send
Frequency Response	20 Hz to 20 kHz $\pm 0.25$ dB
THD+N	<0.01% re 0 dBFS, 20 to 20 kHz, 20 kHz BW
Unbalanced jacks (Session Out & FlexFX)	Max 4 Vrms
Balanced jacks (Main & Booth)	Max 8 Vrms
<b>Universal Power Supply:</b> 100 to 240 VAC	Max 15 W, 50 Hz to 60 Hz
<b>Unit Size:</b> 36.4 cm x 30.5 cm x 10.2 cm	14.3" H x 12" W x 4" D
Weight: 5.2 kg	11.3 lb
<b>Shipping Size:</b> 19.7 cm x 38.1 cm x 49 cm	7.75" H x 15" W x 19.25" D
Weight: 16 kg	7.26 kg

## included in the box

- 1 Sixty-Four Mixer.
- 4 Serato NoiseMap™ control CDs.
- 4 Serato NoiseMap™ control records.
- 1 USB cable.
- IEC C5 line cord.
- Serato DJ software / drivers install disc.
- Serato DJ Software Manual.
- Sixty-Four Mixer Manual.

## minimum system requirements

Visit [serato.com/dj](http://serato.com/dj) for current minimum computer specifications to run Serato DJ.

## serato.com

Features are constantly being added and improved, and the latest version of Serato DJ is a free download. The Forum provides support and 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 Serato DJs. To download Whitelabel audio files and sign up for updates on the latest promotional releases, visit [whitelabel.net](http://whitelabel.net).

## dj.rane.com

Rane.com is your center for technical support, accessories, community, forum, blog and learning how to get the most from your Sixty-Four Mixer.



Serato has taken the world famous digital vinyl emulation from Scratch Live and placed it into Serato DJ. 30 controls on the Sixty-Four allow direct control of software functions without touching your laptop. Scroll and Load crates and songs from your library to any of the decks. Set and trigger up to 8 Cue Points and 8 loops. Jump to different sections in your track, loop with Manual and Auto loops or drop a loop roll. Trigger your favorite stings, samples and loops over your tracks with 4 banks of 6 sample slots. Slip Mode lets you scratch while using cue points and loops, then when you're done the playhead jumps back to where it would of been, always on beat. Sync is here for DVS DJs that want it, freeing you to do add decks and more effects. Serato DJ comes with the free iZotope Wolf Pack, and when you're ready, add to your FX list with new packs.

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