

# Rane Sixty-Two Mixer for Serato DJ



The Sixty-Two is a plug-and-play package supporting one or two computers, with two-deck digital vinyl simulation (DVS), the Serato SP-6 sample player, software plus hardware effects and all the record and playback channels you need. Control Library, Cues, Loops and Samples, with direct control of more than 40 software parameters, laid out for fast and intuitive access.

Both of the USB ports connect to computers running Serato DJ, Scratch Live, and most DJ and DAW audio programs, supporting 6 stereo record and 4 stereo playback channels each. Two laptops can connect at once for easy DJ handover, with great-sounding 48 kHz 32-bit floating-point audio.

The Sixty-Two goes deep into effects. An internal Effects Engine has Filter (low- or high-pass), Flanger (+ or - feedback), Phaser, Echo (4 sync and filter modes), Robot and Reverb. MIDI beat clock in and out allow BPM sync'ed effects. Software FX from Serato DJ or other programs route through the USB effects insert. Rear panel FlexFX Loop jacks connect an external effects processor.

A typical setup includes operation with two Serato DVS channels, SP-6 sample player on an independent USB Aux playback channel and software effects enabled on the USB digital insert in the FlexFx loop. Record Deck 1 post-fader, Deck 2 post-fader or the Main mix to your laptop, with or without the Mic input.



- Deck controls include a Level trim, 3-band full-cut isolator tone controls, Left/Right Pan, and a sweepable High/Low-pass Filter with variable resonance.
- The Mic/line input is on a XLR/TRS jack with a Level trim, two-band tone controls, and FlexFx assign.
- The USB Aux Input dedicated to SP-6 sample playback includes a High/Low-pass sweep Filter.
- Long-life dependable magnetic crossfader and channel faders have reverse and contour controls on the front.
- All controls are MIDI-mappable.

Unit size: 14.25" x 10.5" x 4"  
(36.2 cm x 26.7 cm x 10.2 cm)



serato DJ

RANE SIXTY-TWO

The Sixty-Two includes Serato DJ with 2 Serato Control Vinyl and 2 Serato Control CDs.

# Sixty-Two Mixer Controls

Mic Input has switchable Mic or Line-level with 2-band full-cut tone and pan controls. The Mic can route to FlexFX or record to USB. Mic Over ducks Deck sources by 12 dB. Clean Feed sends the Mic only to the Main Out.

In Auto mode, Loop buttons use the Serato DJ Auto Loop, lighting the buttons orange. In Manual mode, Loop buttons use manual looping features, lighting the buttons green. 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.
- Insert engages software effects through USB.

Aux Input is from the USB playback stereo pair 5-6, usually from the SP-6 sample player. You can sweep the Low-pass / High-pass filter and use FlexFX on samples.

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

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

Two Program buses:

- Select either USB port for playback and MIDI.
- Four Phono / Line Inputs.
- Left / Right Pan.
- 3-band full-cut tone controls.
- Sweepable Low / High-pass filter.

Two USB ports, each with six stereo record channels and four stereo playback channels simultaneously available, allows two DJs with their own laptops to share the mixer. The button assigns the SP-6 sample player to the indicated USB port.

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

Level controls on each Output:

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

Cues button = orange: Recall 5 Cue Points for each left and right Virtual Deck in Serato DJ. Samples button = red: Play four banks of six samples from the Serato SP-6 sample player.

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.

MIDI mapping is done for you as the Sixty-Two is plug-and-play with Serato DJ or Scratch Live. Advanced users can custom map most mixer controls to many other third-party audio programs. The MIDI control assignments are in the Sixty-Two Manual.

The Crossfader and channel faders are no-noise, no-bleed, no-contact magnetic faders.



# Sixty-Two Effects

## FlexFx

The FlexFx Bus in the Sixty-Two works differently than other basic effect insert solutions. The FlexFx Bus is more like an auxiliary bus that can have multiple signals assigned to it. Those combined signals can have internal effects, external analog effects and external USB effects applied in any combination. This architecture is very flexible and not at all like simply inserting an effect in a signal path and turning it on.

The order of processing in the FlexFx Bus is:

1. FlexFx assign for each Deck 1, Deck 2, USB AUX and MIC.
2. Internal Effects
3. External Analog Insert
4. USB Insert
5. Cue
6. FlexFx On


## Internal Audio Effects

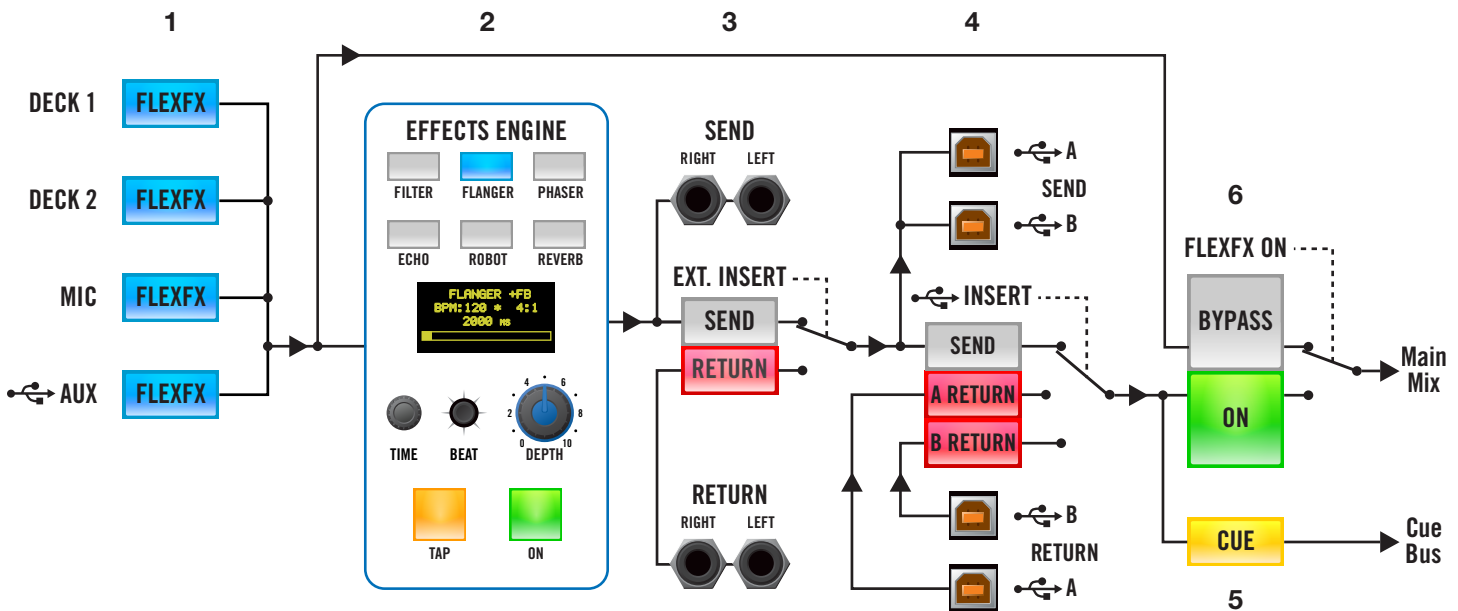
The Sixty-Two has the ability to synchronize its internal effects to songs tagged with BPM values in Serato DJ or Scratch Live.

## External Audio Effects

Your favorite stereo effects unit, connected to the FlexFX Loop Send and Return, can be inserted independently or in combination with other effects.



## USB Effects

Serato DJ includes FX powered by industry leaders iZotope, enabling you to manipulate your songs and add another dimension to your mix. Additional iZotope FX Expansion packs can be purchased to grow your arsenal of FX. Enable and control the FX in Serato DJ or Scratch Live and apply to the mix by activating the FlexFX  Insert.



## Two USB Ports

Each of the two USB ports can stream 20 channels of low-latency audio.

USB Playback	Stereo Pair	Serato DJ Description	Mixer Use
1	1-2	Left Virtual Deck Output	Select as Deck 1 Source from USB-A or USB-B
2	3-4	Right Virtual Deck Output	Select as Deck 2 Source from USB-A or USB-B
3	5-6	SP-6 Output Option	USB AUX Source (sum of USB-A and USB-B)
4	7-8	DJ Effects Return to the Mixer	FlexFx  Insert Return (sum of USB-A and USB-B)
USB Record			
1	1-2	Record Source Deck 1	Deck 1 Post Fader and Post Crossfader Output
2	3-4	Record Source Deck 2	Deck 2 Post Fader and Post Crossfader Output
3	5-6	Record or DVS Control for Left Deck	Selects PH/CD-1 or PH/CD-2 in Control Panel
4	7-8	Record or DVS Control for Right Deck	Selects PH/CD-3 or PH/CD-4 in Control Panel
5	9-10	DJ Effects Send from the Mixer	FlexFx  Insert Send
6	11-12	Record the Main Mix or Mic	Select Main Mix or Mic in the Control Panel

# Sixty-Two Specifications

All specifications typical unless otherwise stated

Analog Inputs	4 Stereo unbalanced RCA jacks
.....Phono or Line level input	Rear panel switches for each input
.....Phono Response	RIAA $\pm 1$ dB, Gain: 31 dB at 1 kHz
.....Max Phono Input	127 mV
.....Max Line Input	4 Vrms
ADCs	24-bit, 48 kHz; Dynamic range 101 dB A-weighted
DACs	24-bit, 48 kHz; Dynamic range 107 dB A-weighted
Digital Signal Processing	48 kHz, 32-bit floating point
USB Audio	Six Stereo Record, Four Stereo Playback
.....	48 kHz, 32-bit floating point
FlexFX Return	Stereo unbalanced 1/4" TS (tip-sleeve) phone jack
FlexFX Send	Stereo unbalanced 1/4" TS phone jack
Mic Input	Balanced 1/4" TRS & XLR combination jack
.....Tone Controls	2-band, High and Low
.....Mic-Line level switch	Choose Line to connect wireless receiver
Line Outputs: Frequency Response	20 Hz to 20 kHz $\pm 0.25$ dB, Line in to Line out
.....THD+N	<0.01% re 0 dBFS, 20 to 20 kHz, 20 kHz BW
.....Unbalanced jacks (RCA & FlexFX)	Maximum 4 Vrms
.....Balanced jacks (Main & Booth)	Maximum 8 Vrms
Universal Power Supply	100 to 240 VAC, 50 Hz to 60 Hz, 15 W max
USB Power	Mixer is self-powered
Unit: Conformity	CE, FCC, cCSAus
.....Size	14.25" x 10.5" x 4" (36.2 x 26.7 x 10.2 cm)
.....Weight	10 lb (4.3 kg)
Shipping Size	7.75" H x 15" W x 19.25" D (19.7 x 38.1 x 49 cm)
.....Weight	14 lb (6.4 kg)

## ASIO & Core Audio Drivers

These included drivers allow the Sixty-Two to act as a 8-in 12-out USB external sound card for use with most DJ and DAW applications, including Serato DJ. The Sixty-Two controls are MIDI-mappable with supporting software.

## Serato DJ

Rane is pleased to announce that the Sixty-Two which previously included Serato Scratch Live software is now fully supported by Serato DJ software. DJs currently using Serato Scratch Live have the option to migrate to the new and improved Serato DJ free of charge. If you're familiar with Scratch Live, the transition to Serato DJ is easy and intuitive.

## Computer Requirements

Before purchasing a Mac or PC, please check [serato.com](http://serato.com) for best results with the latest version of Serato DJ.

## Serato Control

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

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

## Included in the Box

- Sixty-Two Mixer
- 2 USB cables
- Printed color manuals
- 2 Serato Control Vinyl Records
- 2 Serato Control CDs
- Serato DJ software install disc
- IEC C13 line cord



## [serato.com](http://serato.com)

Features are being added and improved, and the latest version of Serato DJ or Scratch Live is a free download. The Forum at [serato.com](http://serato.com) is the best place for technical support and performance tips from thousands of other DJs.

## [whitelabel.net](http://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](http://dj.rane.com)

Visit the Rane DJ website for the most up-to-date information on all Rane hardware, manuals, accessories, support, community, newsletter and blog.

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