

More and more DJs are incorporating digital music files into their traditional turntable and CD player set ups. The Serato / Rane partnership combines world class DJ software with sound card and mixer technology, providing a complete DJ system. Digital files virtually eliminate the need to carry vinyl or CDs to the gig. Heavy, invaluable music stays safe and sound(less) at home. The DJ is able to record special events and performances as well as convert vinyl into digital files.

The MP 4 provides the convenience of playing digital music directly from your computer while still supporting traditional analog inputs for total flexibility. The MP 4 is the perfect mobile DJ product, providing superior software and a one-box hardware solution using a single USB cable connected to a PC.

The MP 4 is a professional 6-channel USB sound card with a mixer wrapped around it!

The MP 4 allows the user to simultaneously:

- Play analog sources
- Play digital files
- Record a stereo source and cue another source (digital or analog) using the built-in headphone cueing system.

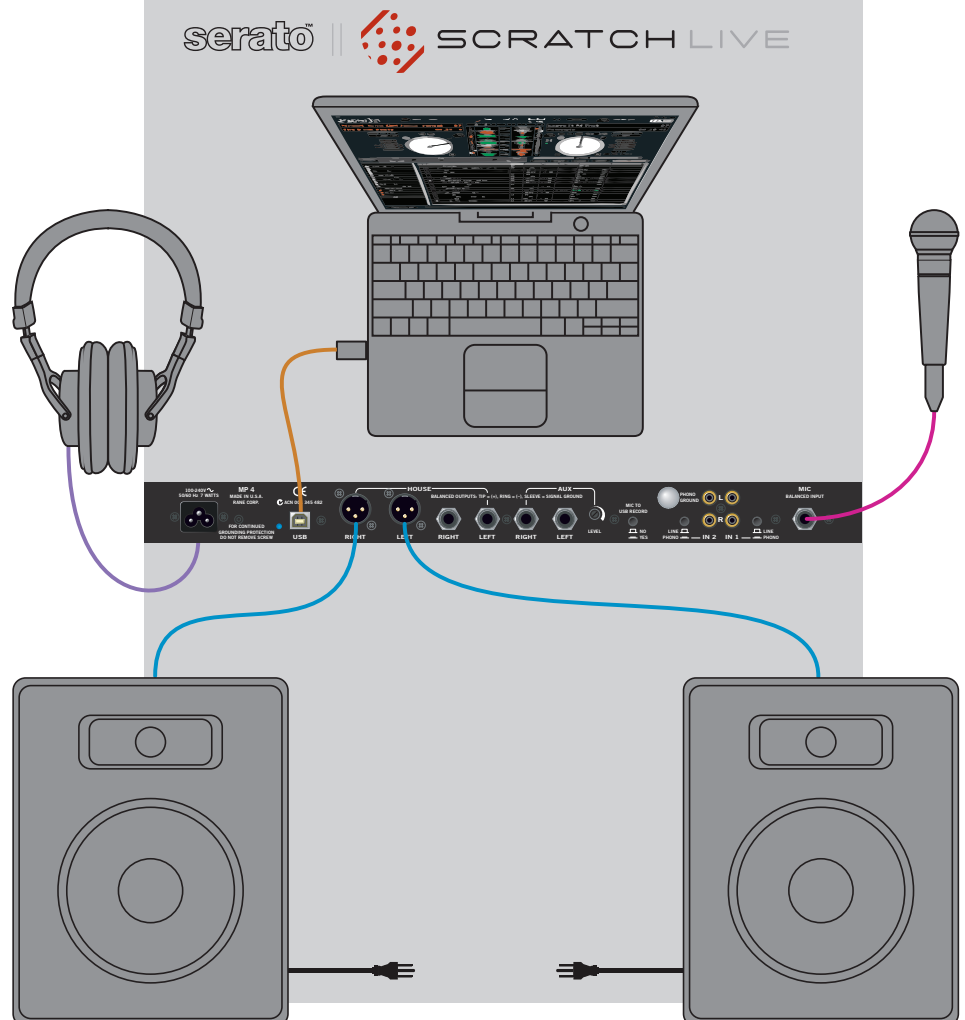
The MP 4 is a two-bus mixer with two stereo Line/Phono inputs, two stereo USB digital audio inputs and one stereo digital audio output to USB. A-bus, B-bus, Master Mix or Microphone may be assigned to the USB record channel. The MP 4 allows easy digital recording of analog inputs not available on software-only solutions.

Ground isolation is provided between the mixer and the PC, removing a major obstacle to good quality PC sound. The MP 4 is always self-powered from the internal universal switching power supply using IEC 320-C6 inlet and cord.

The MP 4 supports bit depths up to 24-bit and sample rates up to 48 kHz. The MP 4 ships with a CoreAudio driver for Mac and an ASIO driver for Windows, allowing it to act as a high quality sound card compatible with many audio applications, including Serato Scratch Live.

The MP 4 is ideal for DJ's who want to mix and beat-match digital files along with analog sources, but don't require the ability to "scratch" with vinyl.

Scratch Live software is included with the MP 4. All playback features can be accessed with just the MP 4 and a laptop. There is no control vinyl or CD with the MP 4, however some USB DJ controllers may be used for additional scratch and bend functions. See a current listing in the latest software release download notes at [www.scratchlive.net](http://www.scratchlive.net).



**FEATURES & SPECIFICATIONS**

Parameter	Specification	Conditions
Phono / Line Inputs:	2 stereo pairs	RCA jacks, switchable RIAA curve $\pm 2$ dB
.....Input Impedance	47k / 220pf	
.....Gain	46 dB / 0 dB	1 kHz
Line Inputs:	2 stereo pairs	RCA jacks
.....Input Impedance	20 k $\Omega$	1 kHz
.....Gain	14 dB	1 kHz
.....Frequency Response	10-27 kHz (+0, -3 dB)	Gain 10 dB, 2 k $\Omega$ load
.....Noise, Unity Gain	-82 dBu	20 kHz BW
.....Noise, Max Gain	-80 dBu	20 kHz BW, re +4 dBu
.....THD+N	0.05%	20 kHz BW, 20-20k Hz, +0 dBu
.....Crosstalk	<-70 dB	1 kHz
.....Control feedthrough	<-80 dB	1 kHz
Tone Controls:	Baxandall	Two-band, shelving
Metering:	Dual mono, 4-segment	-24, -12, 0, +12 dBu, peak responding
MIC Input:	Balanced instrumentation	¼" TRS Jack
.....Input Impedance	511 $\Omega$	Each leg to ground, 1 kHz
.....Gain	60 dB	1 kHz
.....Frequency Response	20-20k Hz (+0, -3 dB)	Gain 50 dB
.....Equivalent Input Noise	-111 dBu	150 $\Omega$ source, gain 50 dB
.....Common Mode Rejection	>40 dB	150 $\Omega$ source, gain 50 dB, 1 kHz
House / Aux. Outputs:	Stereo	Balanced, ¼" TRS jacks
.....Output Impedance	200 $\Omega$	each leg, 1 kHz
.....Gain	6 dB	1 kHz
.....Maximum Output	+24 dBu	1 kHz, 2 k $\Omega$ load
Converters: A/D	24-bit / 48 kHz	108 dB dynamic range
.....D/A	24-bit / 48 kHz	110 dB dynamic range
USB:	1.1, full speed	1 unit load (100 ma) isolated
Agency Listing:		UL/cUL/CE
Power Supply Requirement:		100 to 240 VAC, 50/60 Hz, 7W
Construction:	All Steel	Standard 19" x 1U rack-mount
.....Unit Size	1.75"H x 19"W x 5.3"D	4.4 cm x 48.3 cm x 13.3 cm
.....Unit Weight	4 lb	1.8 kg
.....Shipping Size	4.25" x 20.3" x 13.75"	11 cm x 52 cm x 35 cm
.....Shipping Weight	8 lb	3.6 kg
<i>Note: All specifications are typical unless otherwise stated.</i>		

## SERATO SCRATCH LIVE SOFTWARE

Supported file formats: Fixed and Variable Bit Rate MP3, AIFF, AAC, WAV, OGG Vorbis, CD Audio and direct from mixer. Import your playlists and iTunes library. Drag from Explorer (Windows) or the Finder (Mac) into the Scratch Live library. No preprocessing of MP3 files is required except to detect corrupt files or use the auto-BPM and auto-gain functions. Built-in help and tips in multiple languages are accessible anytime. There is even a low power warning when running off a laptop battery.

You can mix with just your laptop using features modeled on DJ CD players.

- ◀◀◀ Rewind,
- ◀◀ Bend down,
- ◀ Play / pause reverse,
- ▶ Play / pause forward,
- ▶▶ Bend up, and
- ▶▶▶ Fast forward.

Auto mode allows playing a sequence of tracks automatically.

When the MP 4 is connected to a supported USB controller, the buttons will be mapped to Scratch Live controls. Features will vary, but include scratching, nudging, jump to cue points, and pitch bend, observing the relative forward and backward movement of the controller wheel.

Record from your Mic and immediately scratch with your controller.

Record direct from vinyl or CD and save as 16-bit 44.1 kHz stereo file.

The crate and subcrate system helps organize your library and sets.

Hot-swap external drives with fast automatic library merging and retention of crates.

Tempo display assists with rapid tempo matching of tracks. When the two tracks are matched to the same tempo, the peaks will line up.

Beat display emphasizes the transients in tracks — these are matched up when the two tracks are beat matched.

Variable zoom waveforms centered around current position; Display horizontally or vertically. Waveforms are colored by frequency — distinguish instruments visually.

Full track overview: Quickly find where the beat drops, find break-downs and choruses, and jump to any song part.

Auto-gain lets you set a target gain on any or all songs in your library. You can also manually adjust individual gain, remembered as a tag inside each song file.

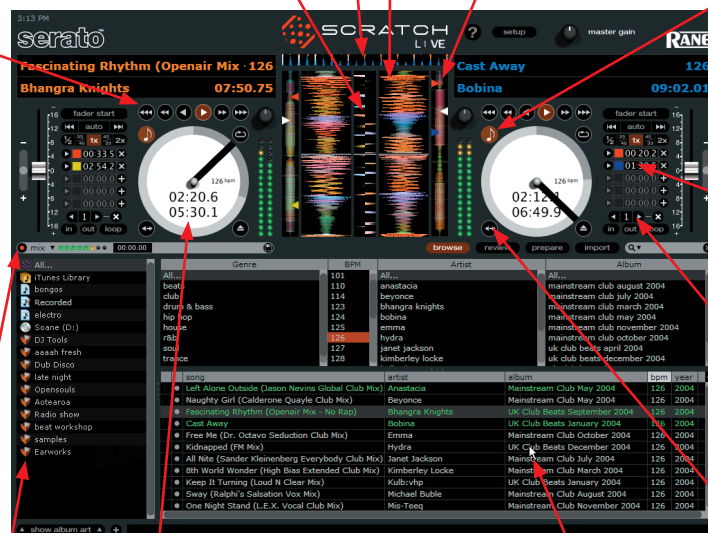
With Key Lock on, the key or pitch of the song stays locked at what it would be if the track was playing at normal speed, regardless of the speed of the controller. Key Lock has scratch detection, so it automatically turns off when scratching for a natural scratching sound.

Visual markers can be set for up to 5 cue points per song and triggered from the keyboard.

Save up to 9 loops per track — these are saved in the file, and will be present when you reload.

Censor expletives on the fly with an instant quick-reverse and catch-up with no loss of timing or pitch.

Auto-BPM detects tempo information for tracks without it, saving it with each file. Tap tempo allows entering your own.



The Virtual Deck shows everything about the speed and position of a track. The circular progress bar around the edge is a visual representation of the position within the song. The time and remaining time are displayed in minutes and seconds. BPM is on the right side.

Browse your music collection by album, artist, BPM, or genre, with optional album art display.

Intuitive search function can be applied to any field to find things quickly.

Edit ID3 tags with full Unicode support.

## REAR PANEL

## MIXER FOR SERATO SCRATCH LIVE



## HARDWARE FEATURES

- Play one or two stereo 24-bit 48 kHz USB audio channels
- Record one stereo 24-bit 48 kHz audio channel
- A-bus, B-bus, Master Mix or Mic USB Record source selection
- Built-in USB ground isolation
- High performance VCA Active Crossfader
- Compact & mobile single rack-space (1U) design
- Cue USB or Analog sources with a high-quality headphone amplifier
- Separate EQ and meter on each bus
- Two selectable phono/line stereo analog inputs
- Auxiliary output with level control
- XLR and 1/4" TRS Main outputs
- Internal universal switching power supply (100-240 VAC).

## MINIMUM SYSTEM REQUIREMENTS

- At least one turntable or CD player.
- Computer with USB 1 port (USB 1.1).
- Minimum screen res. 1024 x 768.
- Hard drive space for storing music.

### Mac

- 1 GHz G4 with 1 GB RAM
- OSX 10.3.9 or higher
- Intel Mac compatible

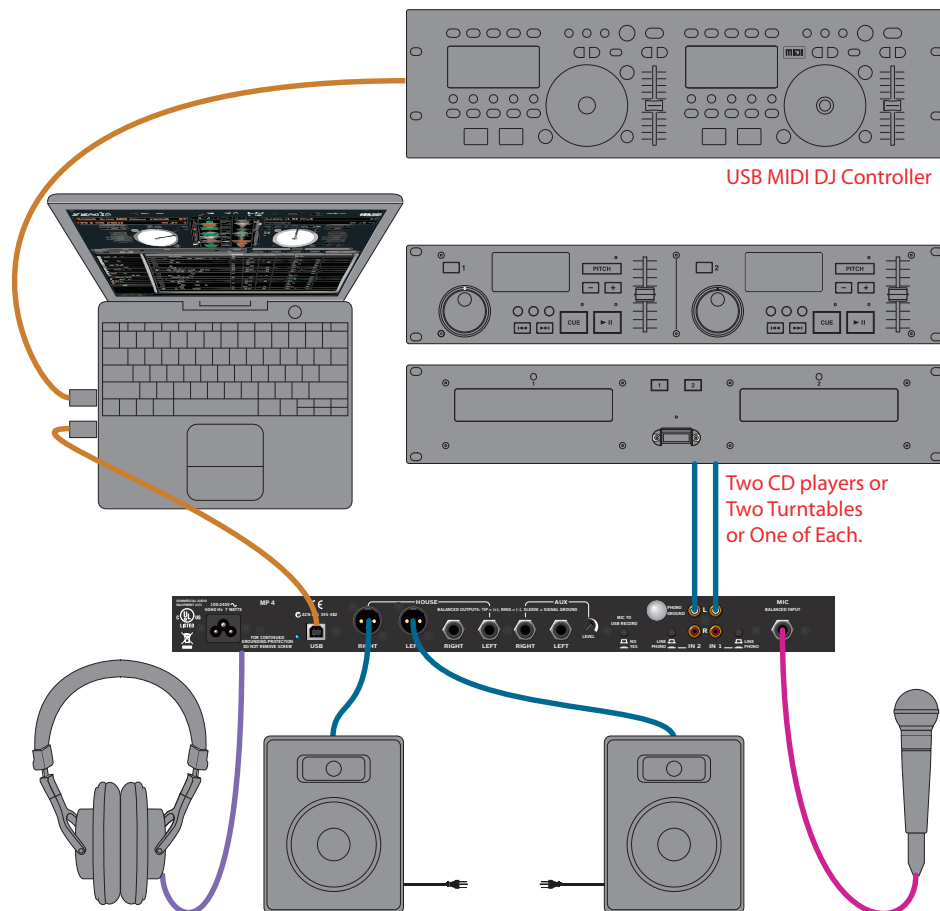
### Windows

- 1.5 GHz PC with 1 GB RAM
- Windows XP with Service Pack 2 or higher, or Vista. We recommend Windows XP over Vista for performance reasons. By using XP, you can have a lower USB latency and better performance in general.

**Note:** This is the minimum requirement to run Scratch Live. We recommend a higher spec computer, and if you have a large library, you will benefit from having more RAM.

**Note:** No sound card is necessary.

## EXAMPLE SYSTEM WITH DJ CONTROLLER



MIW  
MAC WIN  
USB



ASIO

## COMPATIBLE CONTROLLERS (with Scratch Live 1.8.2 software)

- Denon DN-HC4500
- Denon DN-HD2500
- Numark DMC2
- Pioneer CDJ-400

## SCRATCHLIVE.NET

New features are always being added and improved, and the latest version is a free download. Scratchlive.net is also the best place for technical support and performance tips from thousands of other DJs.

## WHITELABEL.NET

Do you want the latest tracks before anyone else? Whitelabel.net is the source for the freshest new music. Download FREE promo tracks in several genres, that play in full fidelity only in Serato Scratch Live.

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All features & specifications subject to change without notice. 18048 - 11-08