

General Description

There is a major evolution going on in the DJ world. 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 MP4 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 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." Serato Scratch LIVE software is included with a new control screen for the MP 4. The Scratch LIVE MP 4 control screen has the same great library management and file handling features, without direct vinyl and CD manipulation. This means there is no control vinyl or CD with the MP 4. All control is via new on-screen features including:

- ▣ Play / pause control, both forward and reverse
- ▣ Pitch bend and pitch \pm controls for precise beat matching
- ▣ Fast forward and reverse
- ▣ Multiple cue points per track
- ▣ Censor (reverse a section without losing play position)
- ▣ Fader start, scrub track with mouse, auto play crate ...and more!

Applications

- Mobile DJ
- Night Club
- Radio Remote Broadcasting
- Podcasting
- Remix Project Studio
- Post Production
- Anywhere rack space is a premium, mobility is a must and Rane quality is demanded.



PC requirements for bundled Scratch LIVE software

Macintosh: G4-500 / OS X 10.2.8 / 128MB RAM (or) Windows: P3-700 / Windows XP / 128MB RAM

MP 4

MIXER



Parameter	Specification	Conditions
Phono / Line Inputs:	2 stereo pairs	RCA jacks, switchable RIAA curve ± 2 dB
.....Input Impedance	47k / 220pf	
.....Gain	46 dB / 0 dB	1 kHz
Line Inputs:	2 stereo pairs	RCA jacks
.....Input Impedance	20 k Ω	1 kHz
.....Gain	14 dB	1 kHz
.....Frequency Response	10-27 kHz (+0, -3 dB)	Gain 10 dB, 2 k Ω 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 Ω	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 Ω source, gain 50 dB
.....Common Mode Rejection	>40 dB	150 Ω source, gain 50 dB, 1 kHz
House / Aux. Outputs:	Stereo	Balanced, ¼" TRS jacks
.....Output Impedance	200 Ω	each leg, 1 kHz
.....Gain	6 dB	1 kHz
.....Maximum Output	+24 dBu	1 kHz, 2 k Ω 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

Note: All specifications are typical unless otherwise stated.

MP 4 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 rackspace (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 ¼" TRS Main outputs
- Internal universal switching power supply



Serato Scratch LIVE Software Features

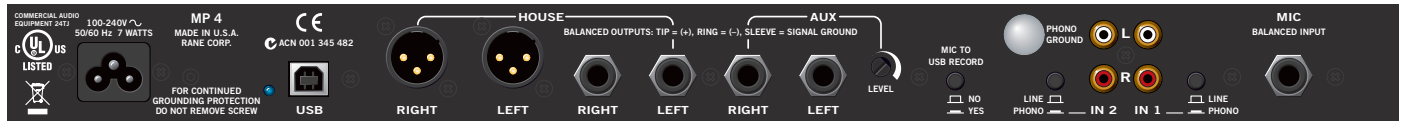
- MP 4 control screen appears when used with the MP 4
- Runs natively on Windows XP and Mac OS X (universal binary)
- Play File formats: Fixed and Variable Bit Rate MP3, AIFF, WAV, OGG Vorbis, CD Audio and direct from the Mic Input
- Record from A-bus, B-bus, Master Mix or Mic Input (to WAV or AIFF file formats with Scratch LIVE)
- Play tracks direct from CD and CD-ROM
- Full iTunes integration: Use your playlists and iTunes library
- Browse music collection by Artist, Album, BPM or Genre, with optional album art display
- Crate system for organizing sets
- Autoplay entire "crate" contents sequentially
- Intuitive library search. Edit ID3 tags with full Unicode support
- Adjustable gain setting per song file
- Full track overview: Quickly find where the beat drops, find breakdowns and choruses
- Variable zoom waveforms centered around current position; Display horizontally or vertically
- Waveform colored by frequency to distinguish instruments visually
- Visual markers can be set at important cue points, triggered from the keyboard, and stored within each track
- On-the-fly looping, save up to 9 loops per track
- Large on-screen record label shows elapsed time and time remaining
- Beat display emphasizes transients in tracks to visually assist with beat matching
- Tempo display assists with rapid tempo matching of tracks
- Coarse and fine pitch controls, "bend" control assists in beat matching
- Extensive keyboard shortcuts for fast access to key functions
- Single key song loading. Single key deck swapping
- Instant doubles, load the same track on both decks at the same point for instant flange effect and back-to-backs
- Single key left and right deck operations: play/pause forward/reverse, bend \pm , pitch \pm , cue points
- Censor (quick reverse with no timing loss) can remove expletives on the fly
- Drag and drop importing of tracks, no preprocessing of MP3 files required
- Virtual Deck lock: only allows loading on a stopped deck to prevent accidental track changes
- Add whole directories of music files on the fly: tags are read in background, no interruptions
- Hot swap external drives with fast, automatic library merging and retention of crates
- Built-in help and tips in multiple languages
- Low power warning when running off a laptop battery
- Latency can be adjusted to match CPU power

MP 4

MIXER



Rear Panel

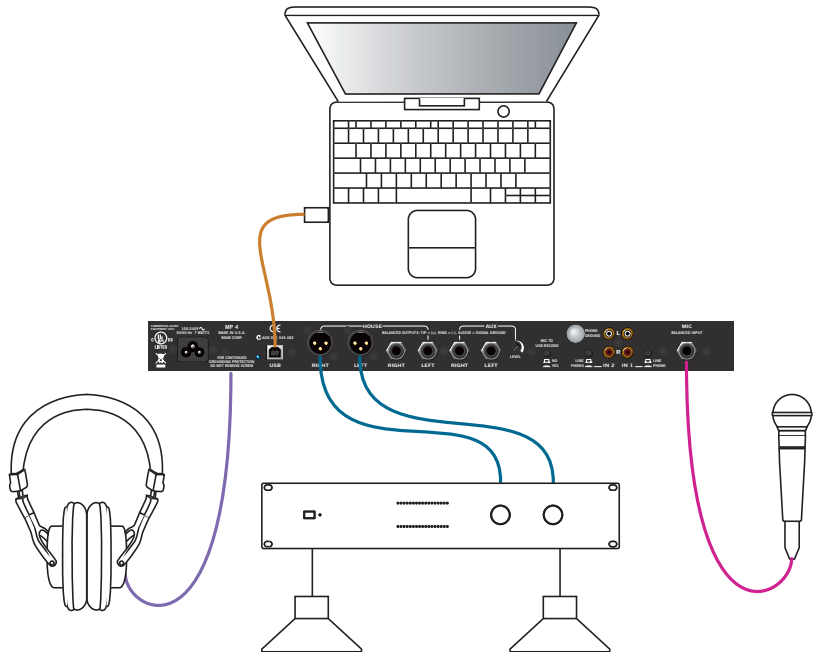


Mobile Applications:

Record main mix

Record mic

Play digital files



Club Applications:

Record from vinyl or CD

Record mic

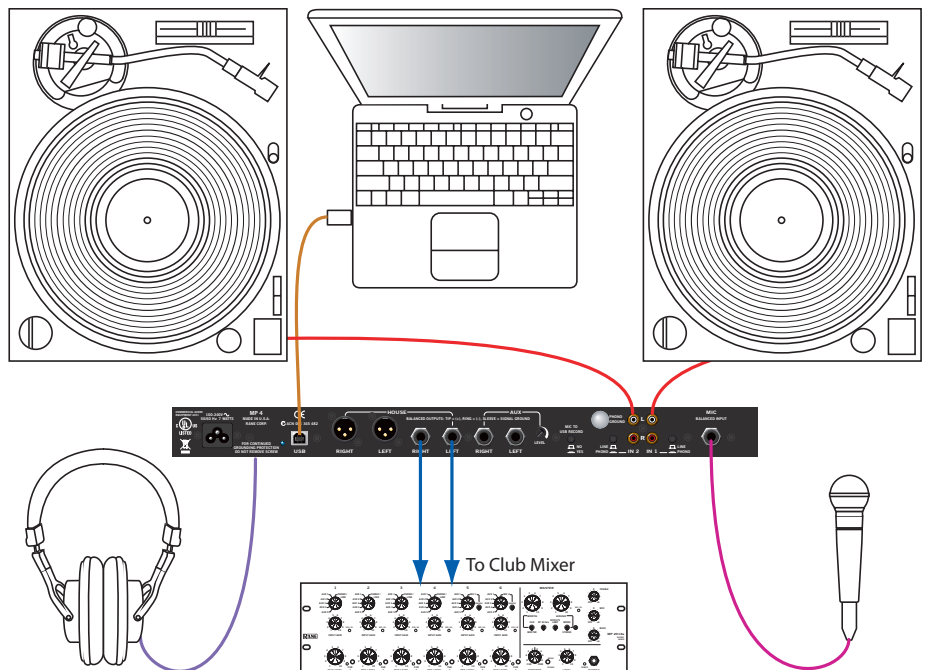
Record main mix

Play digital files

Mix digital and analog sources

Add to existing club mixer

Two zones: House output and Aux output



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