Description

The TTM 52 Performance Mixer is a precision instrument designed for the serious DJ. Like the TTM 54, “this ain’t no toy!” The TTM 52 features the same high quality components, reliability and performance as the Rane TTM 54 mixer with a reduced feature set (see the comparison chart on the last page of this Data Sheet.) The TTM 52 offers a more cost effective solution for DJs who demand the same quality and performance as the TTM 54, but do not require the additional features.

The Rane Mojo Series maintains sonic and construction quality not found (until now) in this price range. Designed for the working musician...simple operation...reduced features...without compromise in audio quality or dependability.

Unique Features

• A precision Active Crossfader™ with continuously adjustable Contour and “Hamster” reversal controls, provides the lowest feed-through, lowest noise, and most responsive control in the industry, all with unprecedented reliability (see Fig. 1).
• Front panel “Hamster” reversal switch and Active Program Faders.
• Independent 18 dB / octave Rumble filters for each phono input.

Other Features

• Two Phono and two Line inputs with high quality, long-life *clickless* transform selector switches.
• Balanced Mic input with Bass and Treble tone controls and independent Effects Loop.
• Balanced ¼" TRS and Unbalanced RCA Master outputs.
• Dual mono 10-segment level meters with peak hold, indicate level for Programs 1 and 2.
• Headphone monitor for Master program allows performance rehearsal with Master level turned down.
• Stereo Headphone Cue pans between Program 1 and Program 2.
The origin of Hamster—

A few years back, there was a crew of turntablists who called themselves The BulletProof Scratch Hamsters. They approached several mixer manufacturers with an idea for “reversing” the crossfader program material. In other words, they wanted to have Program A appear where Program B was, and vice versa. This idea was intriguing enough to make one manufacturer comply and they began offering this feature on a popular model (internally). In turntablism circles the reversal feature is referred to as Hamster in homage to the idea originators. This capability has evolved to a point where the performer wants (maybe needs) to Hamster on the fly instead of opening the mixer up and selecting one way or the other. Rane has obliged this growing request by allowing the artist to reverse on the fly with the crossfader and, uniquely, with the up and down faders as well.
**Parameter** | **Specification** | **Conditions**
---|---|---
**Phono Inputs:** | RIAA | See Fig. 3
...Number | 2 Stereo | 
...Gain | 40 dB | 1 kHz
...Rumble Filter | 20 Hz | 18 dB/oct. Butterworth, See Fig. 3
**Line Inputs:** | 2 Stereo | unbalanced out
...Gain | 12 dB | balanced out
...Gain | 18 dB | 
...Frequency Resp. | 10 Hz-30 kHz | +0.3 dB
...Noise | -98 dB | re +4 dBu, 20 kHz BW, unity gain
...-87 dB | re +4 dBu, 20 kHz BW, Max. gain
...THD+N | <0.1% | re 0 dBu, 20-20 kHz BW
...Control Feedthrough | <-80 dB | re +4 dBu, all controls
...Crosstalk | <-70 dB | re +4 dBu, 1 kHz
**Mic:** | Balanced | ¼" TRS
...Gain | 60 dB | balanced output maximum gain
...Response & EQ | See Fig. 5 | 
...Noise | -70 dB | re +4 dBu, 20 kHz BW, Max. gain
...CMRR | >40 dB | re +4 dBu, 1 kHz
**Effects Loop** | Independent, Non-Switched | 
**PGM Tone Controls:** | ±12 dB | 
...Response | See Fig. 4 | 
**Metering:** | Dual Mono, 10 Segment | 
Post Program Fader; 1 sec. peak hold Indicator Turn-on Blanking
**Max. Current:** | 750 mA RMS from remote supply | 
**Unit: Agency List** | 
...120 V AC model | UL Exempt Class 2 Equipment
Class 2 UL | 
CSA Exempt Class 2
| CE-EMC EMC 89/336/EEC
| CE-Safety exempt art. 1 LV 73/23/EEC
...230 V AC model | CE-EMC EMC 89/336/EEC
| CE-Safety LV 73/23/EEC
**Power Supply: Agency List** | 
...120 V AC model | UL File E88261
UL | 
CSA File LR58948
| CE-EMC EMC 89/336/EEC
| CE-Safety LV 73/23/EEC
...230 V AC model | CE-EMC EMC 89/336/EEC
| CE-Safety LV 73/23/EEC
**Unit: Size** | 3"H x9"W x11.75"D (7.6 x23 x30 cm) | 
**Shipping: Size** | 7.5" x 20" x 10.5" (19 x 51 x 27 cm) | 
**Weight** | 11 lb (5 kg) | 
*Note: All specifications are typical unless otherwise stated.*
**FEATURE**

- Accelerated-Slope™ 40 dB Cut Tone Controls
- Assignable Effects Loop
- Highpass Rumble Filters
- Long-Life, Low-Noise Active Input Faders
- Front Panel Input Fader Contour Control
- Hamster Reversal Sw. For Input Faders
- Long-Life, Low-Noise Crossfader
- Crossfader Contour Control
- Crossfader Hamster Reversal Switch
- High Output, Low Distortion Headphone Amp
- True L+R Dual Mono Metering With Peak Hold
- High Resolution Meter Display
- Mic Effects Loop
- Greater Than 110 dB Dynamic Range
- High-Quality, Glass Epoxy PCBs
- Made In the USA

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Data Sheet-4  All features & specifications subject to change without notice. DOC 103290 PN 10742 8-99