

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.

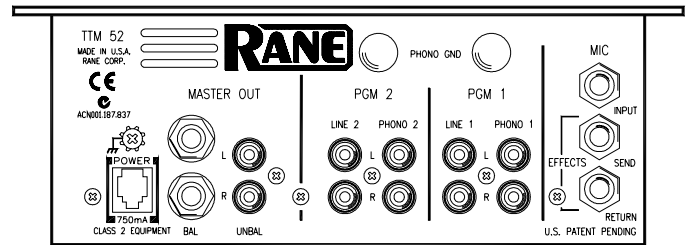
The Rane Mojo Series maintains sonic and construction quality not found (until now) in this price range. Designed for the working musician...simple operation...reduced features...without compromise in audio quality or dependability.

Unique Features

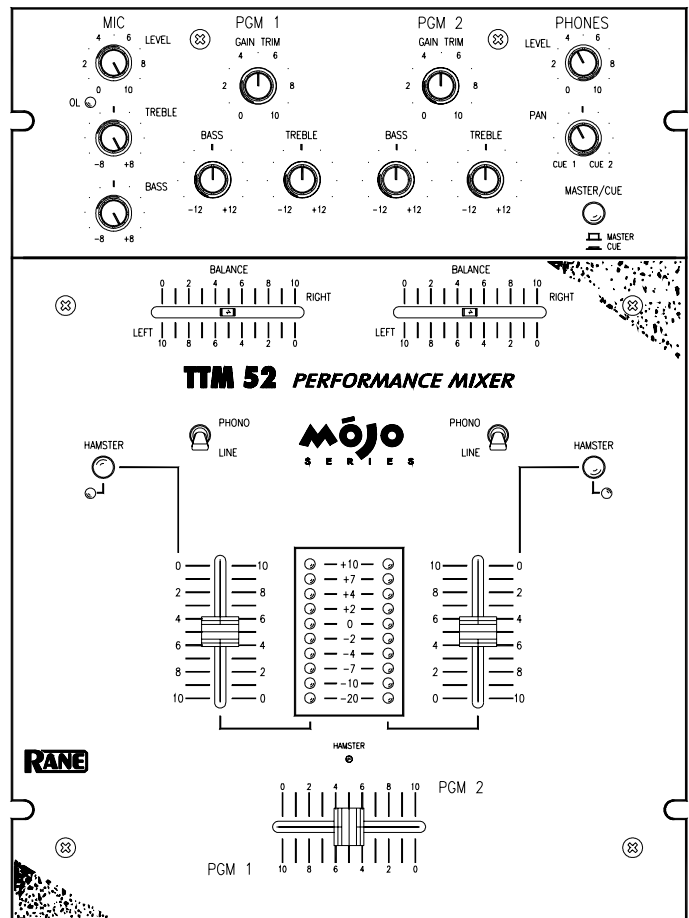
- A precision *Active Crossfader™* with continuously adjustable Contour and “Hamster” reversal controls, provides the lowest feed-through, lowest noise, and most responsive control in the industry, all with unprecedented reliability (see Fig. 1).
- Front panel “Hamster” reversal switch and *Active Program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

Other Features

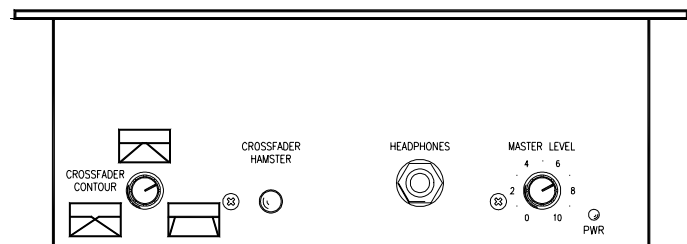
- Two Phono and two Line inputs with high quality, long-life *clickless* transform selector switches.
- Balanced Mic input with Bass and Treble tone controls and independent Effects Loop.
- Balanced 1/4" TRS and Unbalanced RCA Master outputs.
- Dual mono 10-segment level meters with peak hold, indicate 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.



Rear View



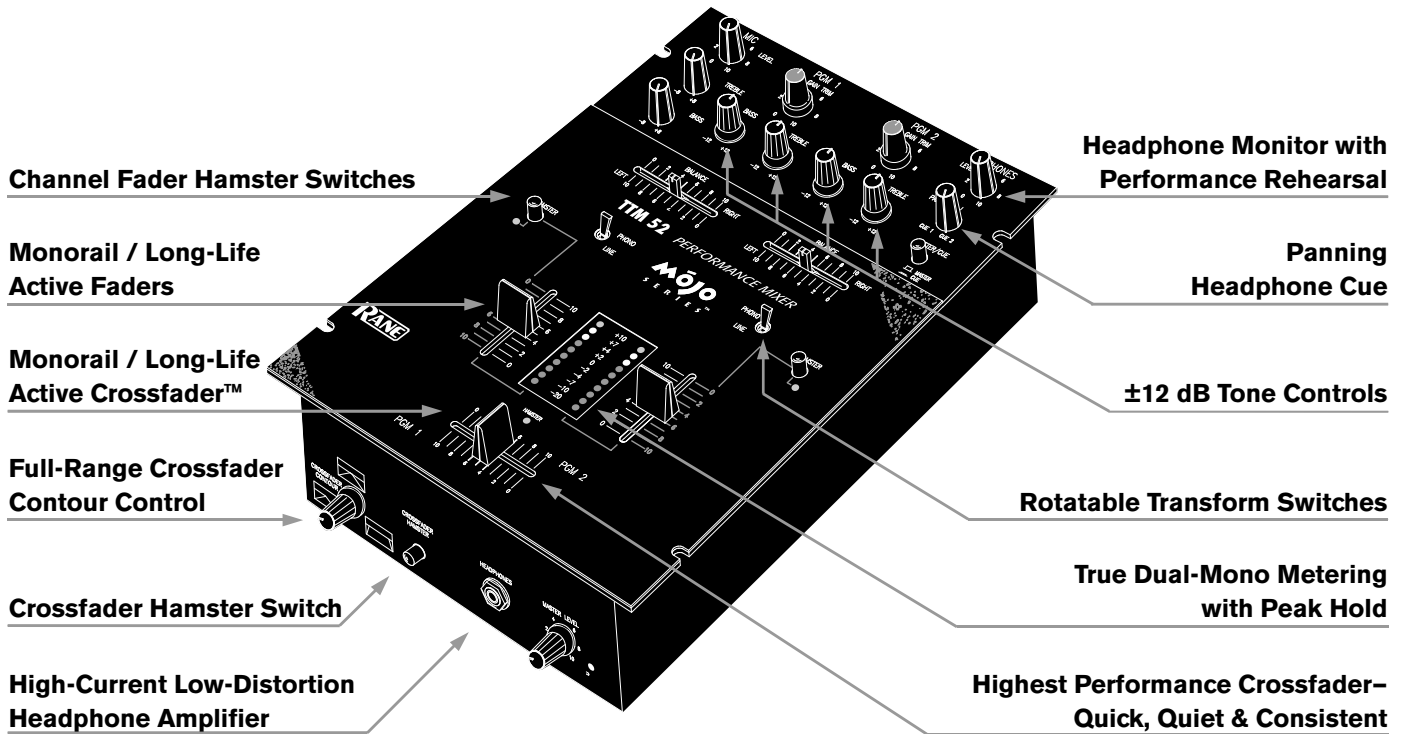
Top View



Front View



TTM 52 PERFORMANCE MIXER



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 turntablist 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.

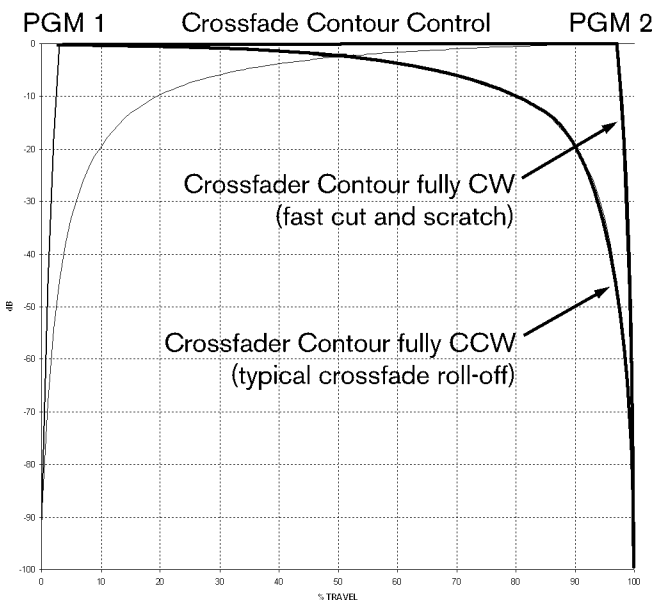
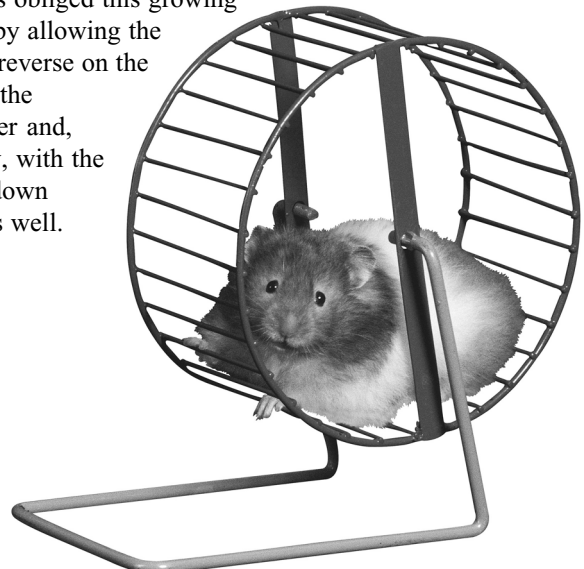


Figure 1. Crossfader Contour control

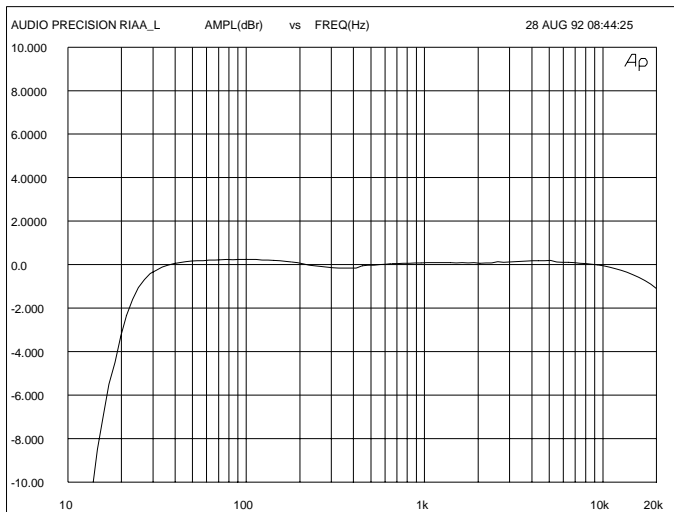


Fig. 3: Phono Response (using inverse RIAA)

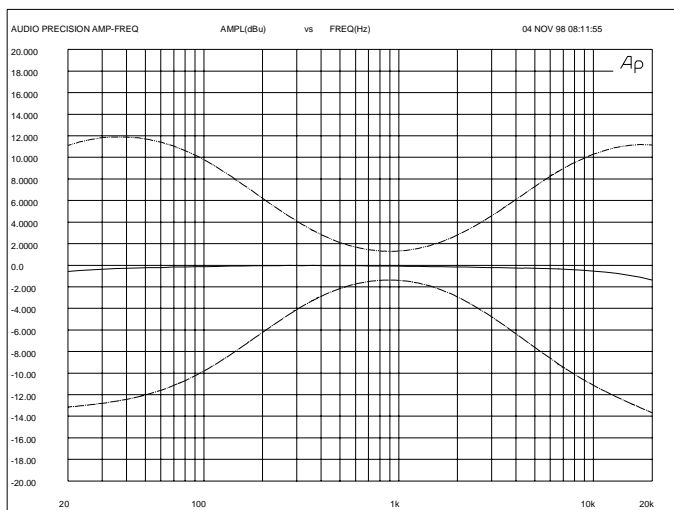


Fig. 4: Program Tone Controls

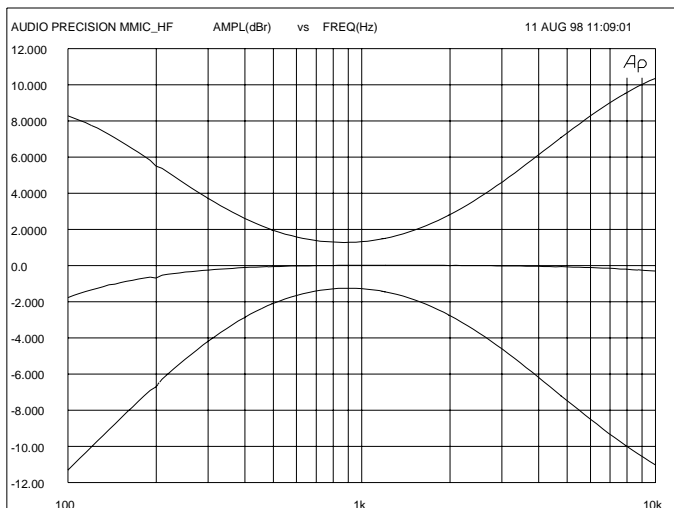


Fig. 5: Mic Tone Controls and Overall Response

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	
...Gain	12 dB	unbalanced out
...Gain	18 dB	balanced out
...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, 80 kHz BW
...Control Feed-through	<-80 dB	re +4 dBu, all controls
...Crosstalk	<-70 dB	re +4 dBu, 1 kHz
Mic:	Balanced	1/4" 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 VAC model	Class 2 Equipment	National Electrical Exempt Class 2
	UL	Exempt Class 2
	CSA	Exempt Class 2
...230 VAC model	CE-EMC	EMC 89/336/EEC
	CE-Safety exempt art. 1 LV 73/23/EEC	
Power Supply: Agency List		
...120 VAC model	UL	File E88261
	CSA	File LR58948
...230 VAC 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.

