



The Manley Steelhead® RC Phono Stage (Version 2) - Front View



Rear view of Version 2 Steelhead and PSU above



The Manley Steelhead® RC Phono Stage (Version 1)

MANLEY STEELHEAD® RC PHONO STAGE

- Vacuum tube complement: 6922 SOVTEK Russian x 2 (gain) plus JAN NOS GE 7044 or 5687 x 4 (output buffers)
- Fuse type and ratings @ 117 VAC operation: 1.5 Amp 3AG slow-blow mains fuse 0.5 Amp 3AG slow-blow logic fuse
- Fuse type and ratings @ 230 VAC operation: 0.75 Amp 3AG slow-blow mains fuse 0.25 Amp 3AG slow-blow logic fuse
- Moving Magnet input impedance: 5-step user adjustable via fixed low-noise resistors. 25, 50, 100, 200 and 47000 Ohms.
- Moving Coil input impedance: 5-step user adjustable via multi-tap autoformer: 25, 50, 100, 200 and 400 Ohms.
- Input Termination Capacitance: Front Panel Selectable in 10 picofarad steps from 10 to 1100 pF (1.1nF) Residual input capacitance less than 40 pF.
- Gain: 4-step user adjustable, 50, 55, 60 and 65 dB active gain at 1 kHz referred to the FIXED output jack into a 10 kOhm load. Additional gain available via the MC input's step-up autoformer. See Owner's Manual for discussion.
- Deviation from RIAA curve: Less than +0.5 / -0.3 dB from 20 Hz to 20 kHz at any gain setting. Typically less than ±1 dB from 10 Hz to 100 kHz
- Inter-channel differential phase: Less than 4 degrees from 20 Hz to 20 kHz at any gain setting. Typically less than 2 degrees.
- Inter-channel differential gain: Less than ±0.5 dB from 20 Hz to 20 kHz at any gain setting.
- Dynamic Range: 101 dB @ 1 kHz, 1% THD measured with 200 Ohm source, 47 kOhm input, @ 55dB Gain 97 dB @ 1 kHz, 0.1% THD
- THD: 0.0042% at 1V output @1kHz
- REMORA RF REMOTE: controls motorised volume control up/down functions; uses 9v battery
- Maximum LINE input level: +30.6dBu @ 1KHz for an output of +29.3dBu @ 0.07% THD 26.5Vrms @ 1KHz for an output of 22.8Vrms @ 0.07% THD
- Maximum Output: +27dBm @ 1KHz with 3% THD into 100 kOhm load
- FIXed Output impedance: 150 Ohms. Minimum suggested load greater than 1500 Ohms.
- VARiable Output impedance: 75 Ohms. Minimum suggested load greater than 600 Ohms.

	GAIN Setting	Fixed Output	Variable Output		
			9:00	12:00	V/C FULL
MM Noise (S+N+D) / (N+D): 200 Ohm source, 47 kOhm input A-weighted Referred to 2.54 mV rms @ 1 kHz	50 dB:	86dB	108dB	99dB	86dB
	55 dB	84dB	108dB	99dB	85dB
	60 dB	80dB	108dB	94dB	80dB
	65 dB	75dB	108dB	89dB	75dB
MC Noise (S+N+D) / (N+D): 100 Ohm source, 100 Ohm input A-weighted Referred to 0.5 mV rms @ 1 kHz and rated Input Z	50 dB:	84dB	108dB	98dB	85dB
	55 dB	80dB	108dB	95dB	81dB
	60 dB	75dB	108dB	90dB	76dB
	65 dB	70dB	107dB	85dB	71dB

Power consumption: 100 watts

Outboard Power Supply: is factory set for 100V, 120V or 220-240VAC operation for original destination country's mains voltage.

Operating Mains Voltage: 120 to 240VAC operation changeable with power transformer re-wiring via internal switch and fuse value change. 100VAC operation changeover achieved via rewiring of power transformer PCB.

Mains Voltage Frequency: 50~ 60Hz

Unit weight: Steelhead: 15 lbs. - PSU: 18 lbs.

Chassis dimensions: Steelhead: 19 wide x 3.5 tall x 15.5 deep - PSU: 13.5 wide x 4.5 tall x 11.375 deep