

Ovation High Fidelity Model 1501 Stereo Line Preamplifier



The Model 1501 Preamplifier features 5 Line inputs, a MM phono input and a very high performance headphone amplifier along with IR remote control.

Visually understated and minimalist, it will hold its own in any audio system and at any performance level.

Superb stereo imaging, fatigue free sonics along with ultra-low noise and industry leading parts-per-million distortion levels bring the ultimate in listening pleasure and convenience to any high end audio system.



Engineered for Art™

Model 1501 Stereo Line Preamp

- 5 Line Level Inputs
- 1 high Performance RIAA Phono Input
- Ultra-low -110 dBV Signal to Noise Ratio
- Ultra-low 0.0002% Distortion
- Balanced and Single Ended Outputs
- 32 Ohm Headphone Amplifier
- Buffered Tape Loop Output
- Precision, Sealed Small Signal Relays for Switching
- Remote Control
- Aluminium/Stainless Steel Construction

Musical, dynamic and yet supremely accurate and transparent, the Model 1501 Preamp is intended to occupy center stage in the very best high end audio systems. No compromises have been made in the design and execution in pursuit of the highest levels of audio performance.

5 line inputs plus an RIAA phono input are provided along with a buffered tape loop, selected by a front panel pushbutton switch allowing recording on legacy tape decks and DAT machines. A mute facility can be activated by a front panel pushbutton switch or the remote control.

For vinyl enthusiasts, a very high-performance RIAA MM phono EQ amplifier is incorporated as standard. The overload capability, important if LP dynamic range is to be preserved, exceeds 32 dB ref 3mV input or 28dB ref 5mV input, while the S/N ratio approaches 80 dB ref 5mV input. RIAA equalization is exceedingly accurate at ± 0.15 dB (typical) across the entire audio bandwidth. To cater for the harmful effects of arm resonance, motor rumble and potentially warped discs, a rumble filter is included which is selected by a pushbutton located on the rear panel of the preamp.

The Model 1501 includes a dedicated very low distortion, wide bandwidth headphone amplifier capable of driving any 32 Ohm headphones, saving the on the expense and space of a separate high fidelity headphone amplifier.

Both unbalanced and balanced outputs are available.

Designed, engineered and hand assembled in England. 5 year warranty on parts and labour

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Specifications

Model 1501 Stereo Preamplifier

General Description

Microprocessor controlled ultra-low distortion, low noise, solid state stereo line preamplifier featuring 6 selectable inputs, including an RIAA phono stage and integrated headphone amplifier. Balanced and single ended outputs. Microprocessor controlled relays for input selection, power up/down and mute control. Buffered record loop facility. All functions, except Record Loop (aka Tape Monitor) are also available using the supplied Model 100 remote control. All signal switching accomplished using hermetically sealed precision small signal relays.

Inputs	6 Inputs: - CD, Tuner, Music Server, Aux, Recorder, Phono; Phono equipped with switchable rumble filter located on rear panel LHS.
Input sensitivity	Phono: 3mV at 1kHz for 1V output (single ended) or 2V output (balanced); for all other inputs, 1V input for 1V output (single ended) and 2V output in balanced mode
Record Loop	Selected via front panel push button. Buffered with Zout = 100 Ω (Ohms)
Frequency Response	Line Level inputs: 20Hz to 20 kHz +0dB -0.1dB; 2Hz to 200 kHz +0dB -3dB Phono: RIAA conformance 20 Hz to 20 kHz +-0.15dB typical, +- 0.25 dB max Phono Rumble Filter: -0.2dB at 20 Hz, -18 dB at 12 Hz, -36 dB at 6 Hz
Distortion 20 Hz to 20 kHz	Typically 0.0001% at 2 V out into 10 k Ω ; line inputs at 10 V out into 10 k Ω : Better than 10ppm (0.001%) Phono –better than 0.01%; typically, 0.005% at 500mV output
Signal to Noise Ratio	Line: \geq 110 dB ref 2V Output; \geq 104 dB ref 1V output; \geq 120 dB at 9 VRMS out Phono: -79 dB ref 5 mV input at 1 kHz
Max Input Level	Single ended: 9 VRMS for 9 VRMS output into 600 Ω Balanced: 9 VRMS for 18 VRMS output into 600 Ω Phono Overload: 42 dB for 3mV input 20Hz to 20 kHz 37 dB for 5mV input 20 Hz to 20 kHz
Output Drive	1k Ω or higher on single or balanced output; Output load capacitance in balanced mode should not exceed 300 pF; Tape Loop output: up to 2V RMS into 10 k Ω . Output Impedance 50 Ω Single ended; < 10 Ω in Balanced mode
Headphone Output	6 VRMS into 32 Ω ; distortion < 0.002% 20Hz to 20kHz
Operating voltages	100-130 VAC or 200 to 260 VAC factory set at time of order
Power consumption	25 VA Max; ~5W in standby mode
Weight	10 Kgs
Operating Temperature	-10 deg C to +45 deg C non-condensing

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