

Boulder

2010 Isolated Stereo Preamplifier



The heart of any great music system lies within the preamplifier

The challenge of creating a truly neutral, remote controlled preamplifier has been achieved in the Boulder 2010. Luxurious in sight, touch and sound, the 2010 delivers the highest level of satisfaction.

The development of both a new attenuation method and an improved gain stage were essential in giving the 2010 its one-of-a-kind performance capability.

The gain stages are built entirely of discrete components. The original 990 was developed in the best recording studios and used in the earliest Boulder power amplifiers. Significant improvements were made in both DC and sonic capabilities, thereby meriting the new designation of Boulder 993.

A total of eighteen 993 gain stages are used in the 2010 to achieve this unprecedented level of audio perfection. Balanced inputs use the sophisticated true 3-stage instrumentation style design for lowest distortion and highest noise rejection possible, thus

obtaining clear, quiet reproduction from all sources. The outputs are fully buffered and balanced.

The attenuator design required lengthy research to find the most sonically clear, yet reliable method. It was very desirable to eliminate distortion and audible noise from mechanical contacts and other parts. The absence of a mechanical sliding wiper used in a continuous potentiometer gives a significant clarity improvement.

A proprietary method of making small steps with precision resistors and special solid state switches was finally developed to perfection. The 1000 one-tenth dB steps provide a 100 dB range.

The classic cosmetic, generous use of custom machined and hand-finished metal parts instills an unusual pride of ownership. All commands are silently and precisely executed. The effortless enjoyment of music allows one to focus exclusively on the power of the performance.



The Boulder 2010 Preamplifier features a three piece main chassis that completely isolates the audio signals from the controlling microprocessor. The audio boxes receive their control commands via multiple optical couplers from the microprocessor below.

Functionality is apparent in the six balanced inputs and dual main balanced outputs. Separate record selection and output buffering provide maximum flexibility. Unbalanced connections are easily accomplished through specially terminated cables.

The chassis is a beautiful combination of machined satin aluminum, polished stainless steel and textured powder-coated parts. Separate boxes for left and right audio ensure absolute isolation between channels. Vibration is absorbed by constrained layer dampening in each foot.

The all metal remote control feels comfortable in the hand and operates in a positive manner. Engraved lettering and machined quality is commensurate with Boulder's design. The big bright display is easily visible from across even the largest listening rooms.

Integration into a surround sound/home theater system has never been easier. By connecting the left and right front channel outputs from the



processor to an input of the 2010, you will not need to reconnect cables when you want ultimate two channel performance. The theater mode option is then programmed for that input. When that input is selected, the volume control is set at unity gain, allowing control to be taken over by the processor.

Up to 16 power amplifiers are able to communicate with the 2010 via Boulderlink. This allows continuous monitoring of the amplifiers and coordinated turn on.

A separate 2000 Power Supply features three individually magnetically shielded toroidal transformers. Three independent regulated supplies power each of the audio channels and the digital/display circuitry.

The high level of quality throughout makes the Boulder 2010 Preamplifier a lifetime investment.



SPECIFICATIONS

ANALOG INPUTS	6 Balanced Line
OUTPUTS	2 Balanced Main, 2 Balanced Record
VOLUME	100 dB range, 0.1, 0.5 or 1.0 dB steps
MAX GAIN	20 dB Line
MAX OUTPUT	28.0 Vrms
CROSSTALK	-136 dB
FREQ RESPONSE	+0, -0.03 dB, 20 Hz to 20 kHz
THD+N, 2V OUT	0.0008%, 20 Hz to 5 kHz 0.0010%, at 20 kHz
PREAMPLIFIER	18.0 wide, 6.875 high, 16.25 deep (in.)
POWER SUPPLY	18.0 wide, 4.25 high, 16.25 deep
WEIGHT	96, Shipping: 121 Pounds
POWER	120 VAC, 50-60 Hz, 180 W

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