



A Bold Boulder

The introduction of the 850 Mono Power Amplifier was the beginning of a new chapter in Boulder's nearly 25 year history—the debut of a new line of products from the most respected name in home entertainment electronics.

Obviously a Boulder, the 850 at a glance reveals an unmistakable resemblance to its larger siblings, while its small footprint and monoblock simplicity mean the 850 will work in applications and locations that would be prohibitive for a conventional form factor.

The pure analog 850 avoids all the sonic problems associated with switching amplifiers, such as noise radiation, dynamic limiting, and distortion. Boulder's proven linear circuit design allows you to hear your music exactly as it was recorded.

A pair of XLR inputs leads to a full-balanced, differential, three-stage input circuit, which ensures that the audio signal passes from the source to the amplifier free of distortion and noise. A muscular power supply with a massive toroidal transformer provides abundant energy to precisely control your loudspeakers—regardless of the source material.

Based on technology we developed for Boulder's 1000 and 2000 Series, the 850's linear output section channels 200 watts of stable, high-current power into any load to reveal all of the force, delicacy, and texture hidden in your music collection. Rugged binding posts mean tight, low-impedance contacts for connecting your speaker cables without the use of tools. A complete array of protection circuits provides reliability and peace of mind. Boulderlink and a 12V trigger for external control and monitoring allow flexibility in even the most complex custom installations.

Finally, metal parts fabricated on Boulder's precision CNC machining centers guarantee high-quality and elegant appearance in a solid, non-resonant chassis.

As with every Boulder product, the 850 was designed, engineered, and manufactured from the ground up in our Colorado factory. With the 850 Mono Amplifier you'll be amazed by the purity of your recordings and the accuracy of every note—all of the impact and emotional content remain intact.

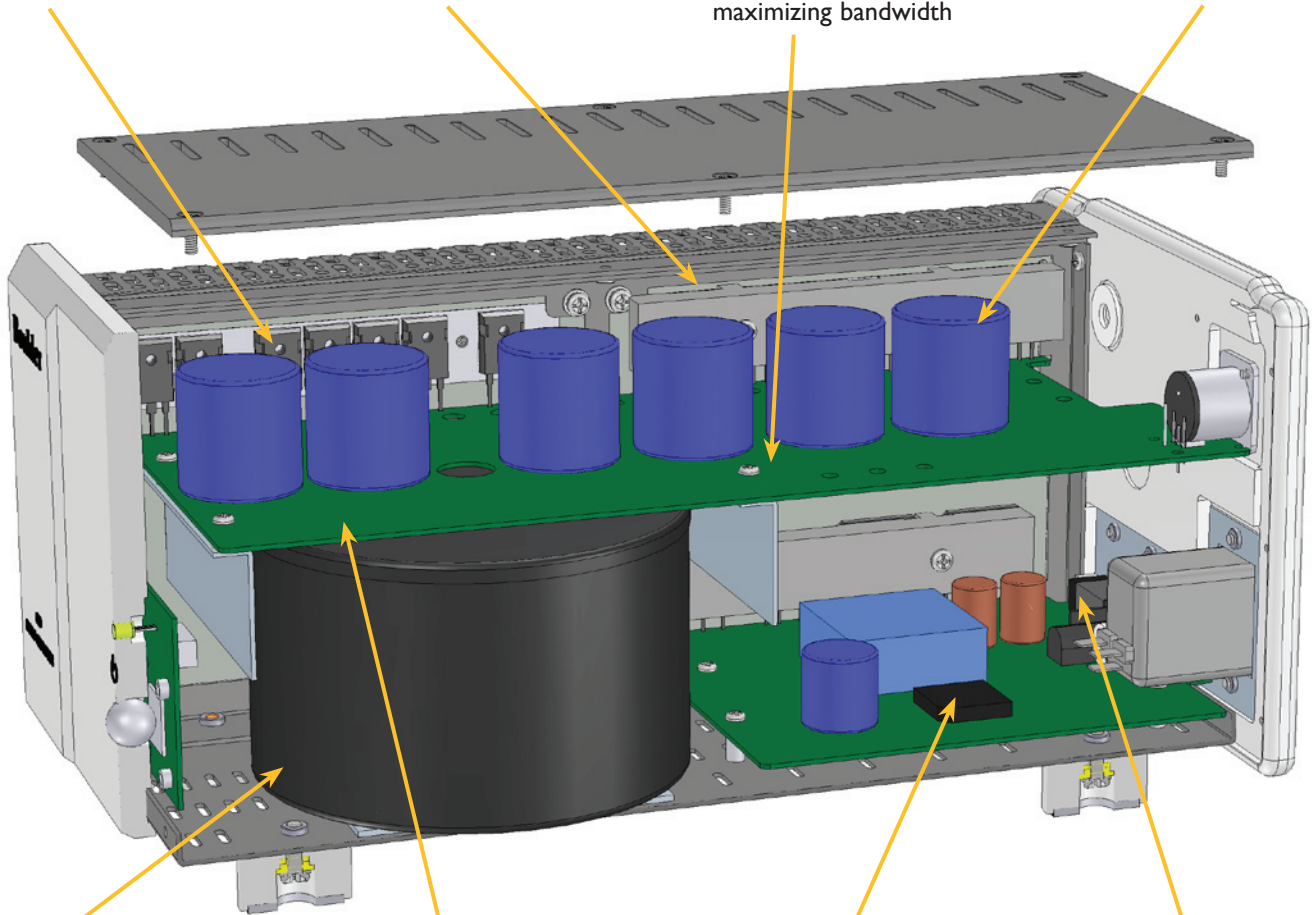
Inside the Boulder 850 Mono Power Amplifier

12 output transistors provide stable operation with any loudspeaker

Dampened heatsinks are an integral part of Boulder's unique chassis

Dual gain stages provide most of the gain in the first stage thus maximizing bandwidth

Multiple filter capacitors assure a low impedance, distributed power supply



Encapsulated and magnetically shielded power transformer for quietest performance

Advanced protection circuits provide trouble-free operation

Supervising microprocessor oversees all functions and communicates with other Boulder products

Boulderlink allows multiple 850s to be sequentially turned on, and transmit their status to the display on a Boulder preamplifier

Rugged, easy to connect, high current speaker terminals require no tools



SPECIFICATIONS

OUTPUT POWER	200W / 8,4,2 Ohms
PEAK POWER	400W / 4,2 Ohms
THD & NOISE	20 to 2kHz: .0016%, 20kHz: .009%
FREQ RESPONSE	-3 dB @ 0.015Hz, 150kHz
VOLTAGE GAIN	26 dB
INPUT IMPEDANCE	Bal: 50k, Unbal: 25k Ohms
INPUT CONNECTORS	3 Pin Balanced
SYSTEM	Boulderlink, 12V Trigger
SIZE	8.50 wide, 7.38 high, 15.25 deep (in.)
WEIGHT	30, Shipping: 35 Pounds
POWER	800 W Max

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