



Welcome

The 851 Mono Power Amplifier represents the concerted efforts of numerous Boulder designers, engineers, and technicians working to bring you the best audio playback components in the world.

Concept

The 851 Mono Power Amplifier had two constraints when in development. One, fit in a chassis that has the same footprint as the 812 DAC/Pre. Two, implement the new Smart Current Technology bias scheme.

This makes the 851 the smallest power amplifier that utilizes the new Smart Current Technology.

Mechanical Design

The 851 was designed, tested and assembled all under one roof in our 23,000 square foot dedicated factory in Louisville, Colorado. A short 10 minute drive from where the company was founded in Boulder, Colorado.

The color, aesthetics, and cosmetics are conservative enough to blend seamlessly into nearly any home decor.

The 812 and 851s make for a home audio system with the tonal neutrality and musicality that Boulder Amplifiers has always been known for.

Inside the 851

Included inside the 851 is the new Smart Current bias scheme. Making the 851 more efficient, neutral, and musical than any other amplifier in the 800 series.

The 851 is also equipped with multiple sophisticated protection circuits, allowing the 851 to last for a lifetime.

Included in these protection circuits is a current limiter that in the event of a short will mute the output, preventing any damage to your speakers.

The Boulder 851 is also a DC-coupled power amplifier with a DC detection circuit that will mute the outputs of the amplifier to prevent any damage to your speakers.

A thermal protection circuit prevents the amplifier from reaching high operating temperatures that are potentially harmful. This circuit will mute the amplifier when the heatsinks reach 70°C.

Big Sound, Humble Size

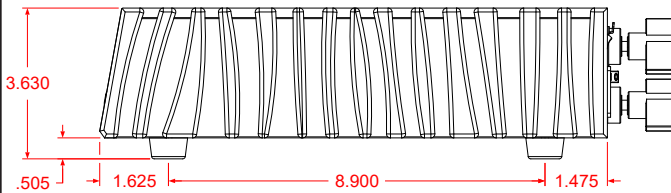
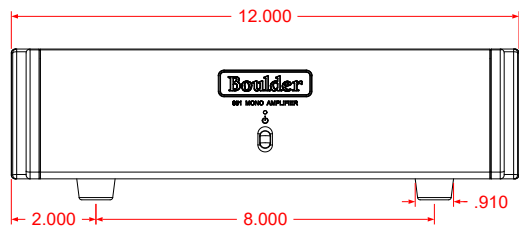
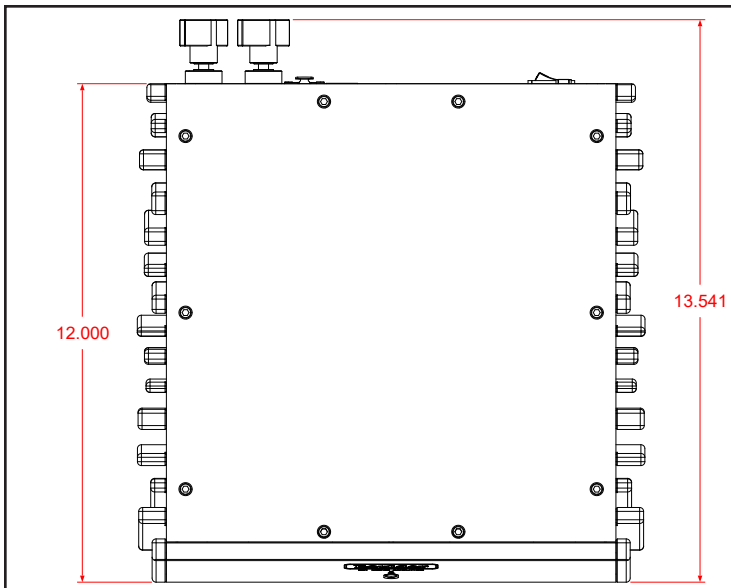
The 851 Mono Power Amplifier offers 100W of unadulterated power.

100 Watts may not sound like a lot, but the 851 is sure to surprise.

The 851 makes use of numerous output devices enabling it to deliver much more current than other 100 Watt designs.

We encourage you to go listen to the 851 Mono Power Amplifiers for yourself.

Ask your nearest authorized Boulder dealer if they have a demo that they can audition for you!



boulderamp.com
 sales@boulderamp.com
 255 S. Taylor Ave. Louisville CO 80027
 303-495-2267

Technical Specifications

Continuous Power, 8Ω	100W
Continuous Power, 4Ω	200W
Peak Power, 8Ω	150W
Peak Power, 4Ω	250W
Peak Power, 2Ω	350W
Balanced Analog Inputs	1 Pair Balanced, 3-Pin XLR
Outputs	0.25"(6mm) Binding Posts
Distortion, THD	0.002%
Input Impedance	100kΩ Balanced
Equivalent Input Noise 20kHz	2.7μV
Freq. Response, 20Hz - 20kHz	+0.0, -0.06dB
Freq. Response, -3dB	0.04Hz and 150kHz
Gain	26dB
Power Requirements	100V, 120V, 240V, 50-60Hz
Power Consumption	W Maximum
Dimensions(in.)	12" x 12" x 3.5"
Weight	22lbs Each

