



Since 1984

# Boulder

# 1151

**Mono  
Power Amplifier**



## Welcome

Boulder has the rare combination of technical and creative skills required to design this visually stunning and high-performance power amplifier.

## Basic Architecture

The 1151 Mono Power Amplifiers give the quality and performance Boulder is renowned for, while being housed in a package that can be installed by one person and in a form factor perfect for most conventional racks.

In our dedicated facility in Louisville, Colorado, the 1151 is designed, machined, and assembled all under one roof. Like the rest of the 1100 series, the front panel is derived from a topographical map of Flagstaff Mountain, less than 30 miles from our facility.

The heat sinks are machined from a solid aluminum billet, providing optimum heat dissipation. The feet have special constrained layer dampening material for vibration.

The attractive appearance is still conservative enough to work with any decor, assuring lasting satisfaction with your investment.

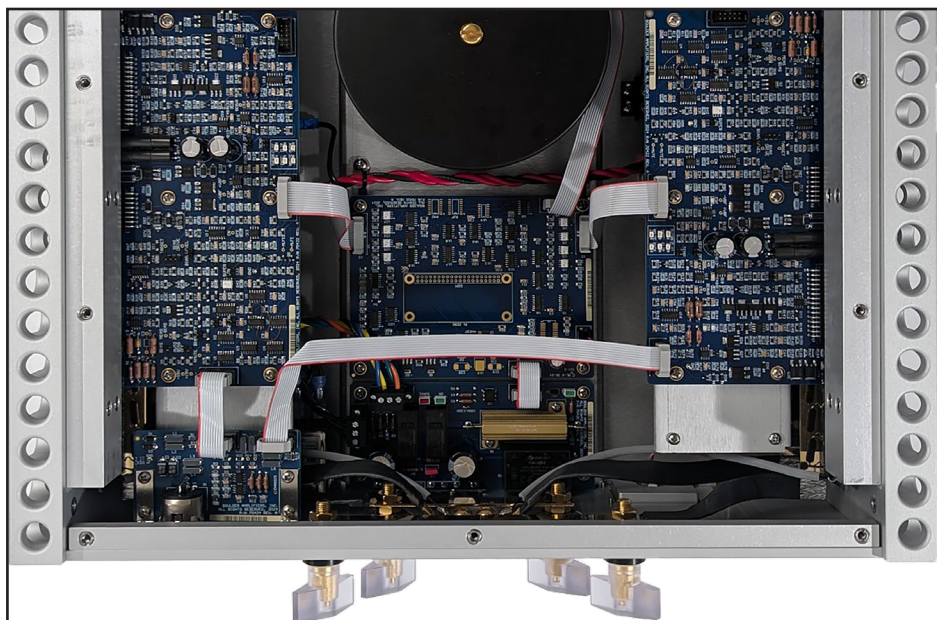
## Inside the 1151

Under the top panel is equally impressive. All the boards inside the 1151 are also designed, assembled, and tested at our facility. Superb sonic performance is assured by the low distortion and low noise design.

Boulder's proven wide bandwidth, the two-stage signal path allows the powerful output section to deliver more musical realism with Boulder's proprietary biasing circuitry that not only matches but surpasses the much larger legacy 1050 monos that came before it.

Some loudspeakers can be a challenging load to drive, demanding very high power and control. The 1151 provides high amounts of current, making even the most difficult speaker perform to its fullest potential.





The 1151 also has sophisticated protection circuits which keeps the amplifier safe and stable so you can enjoy your amplifier longer and with a peace of mind,

The heritage of Boulder's 40 years of experience in amplifier design is evident in every aspect of the Boulder 1151 Mono Power Amplifier.

Don't take our word for it, we encourage you to hear it for yourself.

The key to controlling a loudspeaker while remaining clear and transparent, regardless of the delicacy or complexity of the music, is the ability to deliver undistorted power from a noise-free background into a reactive load.

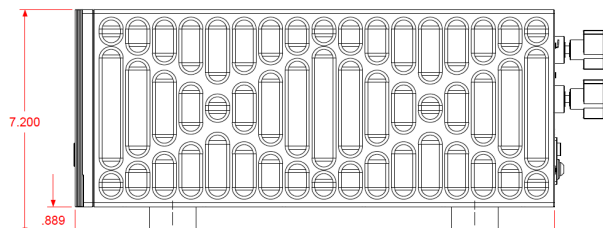
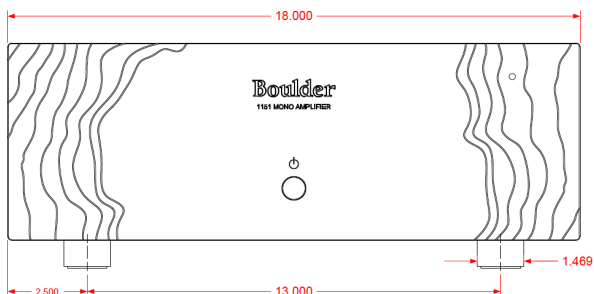
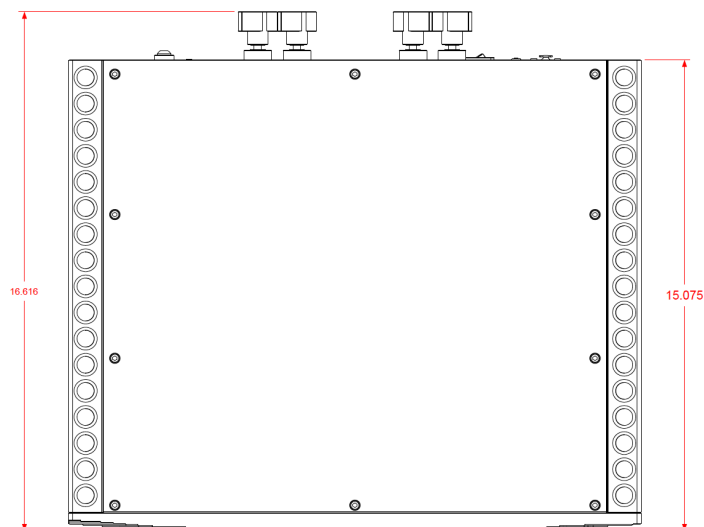
The 1151's extremely low output impedance eases the speaker through even the most difficult passages of music. This also guarantees that the 1151's character will never change, regardless of what you connect it to.

The 1151 accomplishes this with a combination of balanced inputs and outputs to reduce noise to vanishingly low levels.

The output section also makes use of multiple smaller, faster filter capacitors instead of fewer larger, slower caps to deliver dynamic impact.

As in all other 1100 Series products, the 1151 uses two stages. The first stage provides most of the voltage gain needed, allowing the output stage to deliver distortion free high current to the speaker. Despite being smaller than the 1160, a pair of 1151 mono has more output devices than a 1160. Which assures the speed, clarity and strength of what many would expect from a larger amplifier.





## Technical Specifications

Continuous Power, 8 Ohms	250W
Peak Power, 8 Ohms	350W
Peak Power, 4 Ohms	600W
Peak Power, 2 Ohms	750W
THD, 8 Ohms 250W	0.002%, 20kHz: 0.01%
THD, 4 Ohms 250W	0.002%, 20kHz: 0.01%
THD, 2 Ohms 250W	0.003%, 20kHz: 0.02%
Equivalent Input Noise (EIN), 20 kHz, BW	2.2 $\mu$ V
Magnitude Response, 20 Hz to 20 kHz	+0.00, -0.04 dB
Frequency Response, -3 dB	0.015 Hz & 150 kHz
Voltage Gain	26 dB
Input Impedance	200k $\Omega$ Balanced 100k $\Omega$ Unbalanced
Balanced Analog Inputs	Balanced 3 pin XLR
Outputs	.25" (6 mm) Binding Posts

## Power Requirements (Country Specific configured)

100V, 120V, 240V 50-60Hz

Power Consumption  
800W Max,  
10W Standby  
60W Idle

**Note: All measurements taken at 120V, specifications are subject to change without notice or obligation**

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