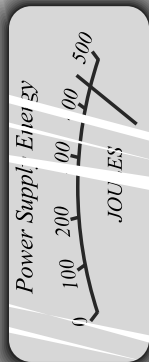


Cinema Seven



Sunfire

Load Invariant High Fidelity Seven Channel Power Amplifier

# Bob Carver's Sunfire

...from his mind & soul

## Cinema Seven Seven Channel Power Amplifier

### Features

- **Seven channel Power Amplifier** in a 19" wide chassis
- **200 watts per channel into 8 ohms**
- **400 watts per channel into 4 ohms**
- **Outrageously low -115 dB Noise**
- An enormous power source built around a massive power transformer and approximately 450 joules of energy storage provide the ultimate muscle for limitless dynamics.
- Peak-to-peak current output capability is 80 amperes per channel.
- The amplifier can drive virtually **any** load to **any** rationally usable current or voltage level.
- 18 MOSFET **tracking downconverter**
- 12 VDC **trigger input for remote turn-on**
- Glass epoxy double-sided circuit boards
- The intrinsic frequency response extends from 1Hz to beyond 100kHz.
- All resistors in the signal path are 1% tolerance metal-film.
- Critical capacitors are film devices with high dielectric strength and ultra low absorption characteristics.
- Two kinds of outputs on the **front left and front right:**
  - **Voltage-Source** (near zero impedance) output for all typical applications.
  - **Current-Source** (higher impedance) output, which many prefer for electrostatic, planar magnetic, or ribbon speakers.
- The extra outputs may be used to biamp or biwire the speaker system with the voltage source driving the woofer(s) and the current source driving the upper part of the system. In many cases this provides by far the best possible interface between the amplifier and the speaker system.
- The current-source outputs produce a sensuous, delicately detailed musical voice long associated with low-powered classic tube amplifiers. (The current-source characteristic of vacuum tubes is the dominant factor in the soundstage delivery of classic tube amplifiers.)

# Specifications

## Power output

**200 watts continuous, per channel, into eight ohms, from 20 Hz to 20 kHz with no more than 0.5% T.H.D.**

## Power at clipping, min

400 watts per channel into four ohms.

800 watts per channel into two ohms (time limited basis).

## Hum and Noise

-115 dB, A-Weighted

## Maximum output current

80 amps peak to peak per channel.

## Maximum output voltage

42.4 Vrms

## Output impedance, front left and right channels

Voltage source:  
Approximately zero ohms

Current source:  
Approximately one ohm

## RCA Input impedance:

24 kΩ

## Input sensitivity for rated output

Unbalanced: 1.34 Vrms

Balanced: 0.67 Vrms

## XLR Input impedance:

24 kΩ, each leg balanced to ground.

Female XLR

Pin 1 is ground

Pin 2 is positive (hot)

Pin 3 is negative (cold)

## 12 VDC Trigger Inputs

Input voltage range 5 -18 VDC

Impedance: approx 600 Ω  
(20 mA @ 12 V)

## Power Consumption

45 W	At idle
280 W	Typical (1/8th power)
1800 W	Absolute Max (Fuse Limit)

## Dimensions

19.0 inches wide  
6.5 inches high (including feet)  
16.7 inches deep (to tips of connectors)

## Weight

38 lbs

## Finish

Brushed aluminum with black anodizing

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