

# JC 1

## Amplifier



## The 1 Series

Parasound's Halo JC 1 Monaural Amplifier is quite possibly the world's finest power amplifier. Collaborating with legendary audio designer John Curl and the team at CTC Builders, Parasound has created a no-expense-spared component that is setting a new standard for elegance, sonic precision and value. With 25 watts of pure Class A power and 135 amps of peak current, this amplifier will provide a truly breathtaking audio experience, and in systems where heat dissipation is a concern, a unique bias level adjustment allows for 10 watts of Class A instead of 25 watts. For the most demanding loads, the JC 1 offers 400 watts of power into 8 $\Omega$ , 800 watts into 4 $\Omega$ , and 1200 watts into 2 $\Omega$ . John Curl's discrete complementary design employs only the finest parts available including Sanken output transistors, Nichicon Gold Tune capacitors, and Vampire copper wire and RCA connectors. Other features include balanced XLR and unbalanced RCA connectors, a 12v trigger, an audio sensitivity trigger, a variable turn-on delay and a ground lift switch. Advanced circuitry, premier parts selection, unequalled sound quality, and stunning design are bound to secure this amplifier a place in audio history.



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# JC1

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## Features

- Premier monaural amplifier
- Designed by legendary John Curl and CTC Builders
- Ultra-high bias Class A/AB operation
- Exclusive two position bias level adjustment
- Balanced input with discrete circuitry & Neutrik XLR connector
- Vampire Direct gold-plated OFC RCA input
- Dual heavy-duty 24k gold-plated 5-way speaker binding posts
- Direct Coupled - no capacitors or inductors in signal path
- Complementary discrete JFET input stage & MOSFET driver stage
- 18 beta-matched 15 amp, 60 MHz bipolar output transistors
- 1.9 kVA encapsulated toroid power transformer
- Independent power supplies for input, driver & output stages
- 18,000  $\mu$ F filters for driver stage
- 132,000  $\mu$ F Nichicon "GoldTune" filters for output stage
- REL and Nichicon "Muse" capacitors
- Harris hyper-fast soft recovery diodes for all bridge rectifiers
- DC Servo and relay protection circuits
- Auto turn-on by 12v trigger or audio signal trigger
- Ground lift switch, adjustable turn-on delay
- 4u chassis with rear carry handles, rack mount kit included
- THX Ultra2 certified

## Specifications

- Continuous power output, 20 Hz- 20 kHz:
  - 400 watts RMS x 1, 8 $\Omega$
  - 800 watts RMS x 1, 4 $\Omega$
  - 1200 watts RMS x 1, 2 $\Omega$
- Class A power output, 20Hz – 20 kHz:
  - 25 watts, bias set to high, 8 $\Omega$
  - 10 watts, bias set to low, 8 $\Omega$
- Current capacity: 135 amperes peak
- Power bandwidth: 2 Hz - 120 kHz, +0/-3 dB at 1 watt
- Total harmonic distortion: < 0.15 % at full power
- IM distortion: < 0.03 %
- Slew rate: >130V/ $\mu$ second
- Dynamic headroom: > 1.8 dB
- Input sensitivity: 1V for 28.28V output, THX Reference Level
- Input impedance: 100 k $\Omega$
- S/N ratio: >120 dB, IHF A-weighted, bias set to high
- >122 dB, IHF A-weighted, bias set to low
- Damping factor: > 1200 at 20 Hz
- Power requirement: 250 watts, idle
- 1280 watts, full power into 4 $\Omega$
- Dimensions: 17-1/4" w x 7-5/8" h x 20" d, 7" h without feet
- Net weight: 64 lbs.

