

# JC 1+ Mono Power Amplifier by John Curl

*Halo*



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## JC 1+ [Features](#) [Specs](#) [Reviews](#) [Support](#)

### Power Output

450 x1 watts @ 8 Ω  
850 x1 watts @ 4 Ω  
1300 x1 watts @ 2 Ω

### Power measurements are with 120 VAC:

0.15% THD, RMS continuous power,  
full audio band (20 Hz - 20 kHz)

### Class A Power Output

25 Watts, bias switch set to high  
10 Watts, bias switch set to low

### Current Capacity

180 amps, peak

### Slew Rate > 130 volts per microsecond

### Frequency Response

2 Hz - 120 kHz, +0/-2 dB  
20 Hz - 20 kHz, +0/-0.25 dB

### Total Harmonic Distortion (THD)

< 0.15 % at full power  
< 0.02 % at typical listening levels

### IM Distortion

< 0.03 %

### TIM

Unmeasurable

### Damping Factor

> 1200 at 20 Hz

### Input Impedance

Unbalanced: 50 kΩ  
Balanced: 100 kΩ, (50 kΩ per leg)

### S/N Ratio, inputs shorted

>122 dB, IHF A-weighted, bias set to Low  
>120 dB, IHF A-weighted, bias set to High  
>113 dB, Unweighted, bias set to Low  
>111 dB, Unweighted, bias set to High

### Total Gain

29 dB (Gain switch set to normal)  
23 dB (Gain switch set to low)

### Input Sensitivity for 28.28 V Output into 8 Ω

Unbalanced: 1 V  
Balanced: 1 V per leg  
(Gain switch set to normal)

### DC Trigger Requirements

+9 Vdc to +12 Vdc, 5 mA

### Audio Trigger Requirement

2.5 mV - 10 mV

### XLR Pin Identification

1 = Ground (Shield)  
2 = Positive  
3 = Negative (Return)

### Dimensions

Height without feet: 7-1/8" (181 mm)  
Height with feet: 7-3/4" (197 mm)  
Depth: 20" (508 mm)  
Depth with cables: 21-1/2" (546 mm)

### Shipping Carton Dimensions

Width: 29-1/2" (750 mm)  
Depth: 27-1/2" (700 mm)  
Height: 15-3/4" (400 mm)

### Net Weight

83 lb. (37.6 kg)

### Shipping Weight

107 lb. (48.5 kg)

### Power Requirement

Standby: <1 Watt  
Idle (bias set to low): 145 Watts  
Idle (bias set to high): 275 Watts  
Typical Listening levels: 400 Watts  
Maximum: 1500 Watts