



PARASOUND

A 31 Three Channel Power Amplifier

Surround Sound Flexibility with Award-Winning Performance



The A 31 was designed in response to increasing demand for a three channel power amp that holds nothing back in power or performance. The A 31 is identical in performance and sound to the award-winning Halo A 51. Here are a few of the many applications for the A 31:

- 1) **To power the front three channels of a home theater.** The surround or back channels can then be powered by a smaller 2ch Parasound power amp such as the Halo A 23. This gives the greatest power to the front channels where it is needed the most.
- 2) **To power the center channel and two surround channels.** This allows the Left and Right front speakers to be powered by a dedicated two channel power amp such as the Halo A 21, or better yet, two JC 1 monoblocks. This is ideal for the music lover who is unwilling to compromise stereo reproduction.
- 3) **To power the front three channels in an AV receiver-based system.** The remaining surround and back channels can be driven by the receiver. This assures you the best sound for the front channels while enabling the AVR to produce more power for the surround and back channels.

However you employ the A 31, you will be delighted by its impeccable sonics, striking authority and faithful reproduction of the smallest details.



Features

- Gain can be adjusted up to 6dB above THX® gain
- High bias class A/AB operation
- Circuitry designed by legendary John Curl
- Direct coupled (no capacitors or inductors in the signal path)
- Complementary JFET input stage, MOSFET driver stage & bipolar output stage
- Unbalanced RCA and balanced XLR inputs (may be mixed)
- THX Ultra2® certified
- Auto turn-on by 12v trigger or audio signal

Specifications

Power Output - All Channels Driven

250 watts RMS x 3, 20 Hz - 20 kHz, 8Ω
400 watts RMS x 3, 20 Hz - 20 kHz, 4Ω

Current Capacity: 60 amperes peak per ch.

Slew Rate: > 130 volts per microsecond

Frequency Response

5 Hz - 100 kHz, +0/-3 dB at 1 watt

Total Harmonic Distortion

< 0.2 % at full power
< 0.03 % at typical listening levels

IM Distortion: < 0.04 %

TIM: Unmeasurable

Dynamic Headroom: > 1.5 dB

Interchannel Crosstalk

> 78 dB at 1 kHz
> 63 dB at 20 kHz

Input Sensitivity for 28.28 V Output into 8 Ω

Unbalanced: 1 V
Balanced: 1 V per leg

S/N Ratio

> 112 dB, input shorted, IHF A-weighted
> 102 dB, input shorted, unweighted

Damping Factor: > 1100 at 20 Hz

Dimensions

Width: 17 1/2" (445 mm)
Panel height: 7" (178 mm)
Height with feet: 7 5/8" (194 mm)
Depth: 19 1/8" (485 mm)

Net Weight: 65 lbs (29.5 kg)

Shipping Weight: 79 lbs (35.9 kg)

Power Requirement

Standby: < 1 Watt
Maximum: 1500 Watts