

IPR-1600 DSP Specification Sheet

Rated Power (2 x 2 ohms)	- 900 watts per channel @ 1 kHz 1% T.H.D. both channels driven.
Rated Power (2 x 4 ohms)	- 515 watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven.
Rated Power (2 x 8 ohms)	- 290 watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven.
Rated Power (1 x 2 ohms)	- 1050 watts @ 1 kHz at <1% T.H.D.
Rated Power (1 x 4 ohms)	- 570 watts @ 1 kHz at <0.1% T.H.D.
Rated Power (1 x 8 ohms)	- 300 watts @ 1 kHz at <0.1% T.H.D.
Minimum Load Impedance	- 2 ohms.
Maximum RMS Voltage Swing	- 55 volts.
Frequency Response	- 10 Hz - 22 kHz, +/- 0.5 dB at 1 watt.
T.H.D. (2 x 2 ohms)	- <0.1% @ 675 watts per channel from 20 Hz to 1 kHz, decreasing to 500 watts at 20 kHz at <0.25%.
T.H.D. (2 x 4 ohms)	- <0.1% @ 510 watts per channel from 20 Hz to 11 kHz, decreasing to 425 watts at 20 kHz at same <0.1%.
T.H.D. (2 x 8 ohms)	- <0.1% @ 270 watts per channel from 20 Hz to 20 kHz.
Input CMRR	- > - 69 dB @ 1 kHz.
Voltage Gain	- x 40 (+32dB).
Crossover	- Adjustable frequencies with 24dB/oct, 4 th order Linkwitz –Riley High Pass and Low Pass filter per channel
Crosstalk	- > -70 dB @ 1 kHz at 250 watts power @ 8 ohms.
Hum and Noise	- > -92 dB, "A" weighted referenced to rated power @ 4 ohms.
Slew Rate	- > 12V/ μ s.
Damping Factor (8 ohms)	- > 150:1 @ 20 Hz - 1 kHz at 8 ohms.
Input Sensitivity	- 1.14 volts +/- 3% for 1 kHz 4 ohm rated power, 1.07 volts +/- 3% for 1 kHz. 2 ohm rated power.
Input Impedance	- 15k ohms, balanced and 7.5k ohms unbalanced.
Current Draw @ 1/8 power	- 540 watts @ 2 ohms, 350 watts @ 4 ohms, 230 watts @ 8 ohms.
Current Draw @ 1/3 power	- 1,250 watts @ 2 ohms, 740 watts @ 4 ohms, 450 watts @ 8 ohms.
Cooling	- Temperature dependent variable speed 80 mm DC fan.
Controls	- 2 front panel detented attenuators, push-button navigation encoder to navigate through the menus on the LCD screen for input mode, parametric EQ, crossover H.P.F, Normal, L.P.F. and more.
Indicator LEDs	- 2 DDT (clip limiting), 2 Signal presence, 2 Active status, 2 Temp and 2 DC protect.
Protection	- Thermal, DC, subsonic, incorrect loads, under and over voltage.
Connectors	- Inputs: Dual Combi 1/4" & XLR, Outputs: Dual 1/4" signal patch, dual twist locking connectors.
Construction	- 0.062" thick aluminum.
Dimensions	- 3.5"x19"x 10.5" behind front panel + 0.6" for handle.
Net Weight	- 3.23 kg (7.12 lbs.*)
Gross Weight	- 4.31 kg (9.5 lbs.)
Warranty	- 5 years.

Rated power readings made with BW: <10 Hz to 22 kHz. All power measurements made at 120 VAC and 240VAC.

2 ohm power is time limited by circuit breaker.

*Net Weight does not include power cord.