

# IPR2 7500 DSP Specification Sheet

<b>Rated Watts 2ch x 2 ohms</b>	4750 watts 20ms repetitive burst / 3750 watts 1% THD both channels driven @ 1kHz.
<b>Rated Watts 2ch x 4 ohms</b>	2800 watts 20ms repetitive burst / 2450 watts 1% THD / 2020 watts 0.15% THD, both channels driven @ 1kHz.
<b>Rated Watts 2ch x 8 ohms</b>	1550 watts 20ms repetitive burst / 1425 watts 1% THD / 1200 watts 0.15% THD, both channels driven @ 1kHz.
<b>Minimum Impedance</b>	2 ohms
<b>Maximum RMS Voltage Swing</b>	124 volts
<b>Frequency Response</b>	20Hz - 25kHz; +0dB, -3dB
<b>20Hz - 20kHz 2ch x 2 ohms</b>	<0.5% @ 3280 watts 20Hz to 4kHz, decreasing to 3000 watts @ 20kHz, both channels driven.
<b>20Hz - 20kHz 2ch x 4 ohms</b>	<0.15% @ 2000 watts 20Hz to 20kHz, both channels driven.
<b>20Hz - 20kHz 2ch x 8 ohms</b>	<0.15% @ 1200 watts 20Hz to 20kHz, both channels driven.
<b>Input CMRR</b>	> - 75dB @ 1 kHz.
<b>Voltage Gain</b>	x 70 (+37 dB)
<b>Crossover</b>	Adjustable High Pass and Low Pass filter per channel. Filter Types: 12dB/oct 2nd order, 18dB/oct 3rd order, 24dB/oct 4th order Butterworth and 24dB/oct 4th order Linkwitz –Riley
<b>Crosstalk</b>	> -60dB @ 1kHz @ 1000 watts power @ 8 ohms.
<b>Hum and Noise</b>	> -95dB, "A" weighted referenced to rated power @ 4 ohms.
<b>Slew Rate</b>	> 12V/μs
<b>Damping Factor (8 ohms)</b>	> 200:1 @ 20Hz - 1kHz @ 8 ohms
<b>Input Sensitivity</b>	1.290 volts +/- 3% for 1 kHz 4 ohm rated power, 1.240 volts +/- 3% for 1 kHz 2 ohm rated power
<b>Input Impedance</b>	12 kilohms, balanced and 10 kilohms unbalanced.
<b>Current Draw @ 1/8 in VA (watts)</b>	2210 (1440) @ 2 ohms, 1550 (950) @ 4 ohms, 982 (560) @ 8 ohms
<b>Current Draw @ 1/3 in VA (watts)</b>	4260 (3150) @ 2 ohms, 3120 (2160) @ 4 ohms, 1890 (1200) @ 8 ohms
<b>Idle Consumption</b>	250VA, 120 watts.
<b>Cooling</b>	3 temperature dependent variable speed fans.
<b>Controls</b>	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.
<b>Indicator LEDs</b>	Five LED indicators per channel: Active, Signal, DDT, Temperature and DC
<b>Protection</b>	Thermal, DC, subsonic, incorrect loads, under and over voltage
<b>Connectors</b>	Inputs: Dual combination 1/4" XLR, Outputs: Dual male XLR input thru, one 2-pin & one 4 pin twist-lock connectors
<b>Construction</b>	0.062" thick aluminum
<b>Dimensions</b>	3.5"x19"x 17" behind front panel + 0.6" for handle
<b>Net Weight</b>	6.61kg (14.6lbs.*)
<b>Gross Weight</b>	8.34kg (18.4lbs.)

Rated power readings made with BW: 20 Hz to 22 kHz. All power measurements made @ 120 VAC or 240VAC.

2 ohm steady state sine wave power is time limited by circuit breaker.

Bridge operation is not possible.

\*Net Weight does not include power cord.