

# IPR2™ 7500 DSP



## OVERVIEW

IPR2™ power amplifiers, designed for years of reliable, flawless operation under rigorous use. The groundbreaking IPR2 series utilizes an advanced design that allows Peavey engineers to dramatically reduce weight while increasing output power, reliability and thermal efficiency. IPR2 Series amplifiers are designed with a resonant switch-mode power supply and a high-speed class D topology that yields the highest audio resolution and efficiency available. This revolutionary amplifier offers the sonic superiority and unsurpassed reliability for which Peavey is famous, in an extremely efficient and lightweight design. Advanced technology and extensive protection circuitry allow operation with greater efficiency into difficult loads and power conditions. The DDT™ (Distortion Detection Technique) circuitry ensures trouble-free operation into loads as low as 2 ohms. DDT protects drivers and ensures that sonic integrity is maintained, even in extreme overload conditions. The IPR2's high-efficiency design allows the amplifier to operate at very low temperatures, and does not require massive heat sinks to cool.

As the name implies, the IPR2™ 5000 and 7500 DSP all include advanced digital signal processing. The DSP was designed to be incredibly effective, yet extremely easy to use. Using unique and revolutionary advanced bass enhancement processes, the IPR2 DSP amplifiers dramatically improve the perceived level of bass in any system, using a fraction of the power that would be required with any other power amplifier.

## FEATURES

- 4750 watts 2 Channels @ 2 Ohms
- 2800 watts 2 Channels @ 4 Ohms
- 1550 watts 2 Channels @ 8 Ohms
- 3850W RMS x 1 at 2 ohms
- 2400W RMS x 1 at 4 ohms
- 1330W RMS x 1 at 8 ohms
- Revolutionary IPR class D topology
- Detented input controls
- Combination XLR 1/4" inputs
- Combination 1/4" or 1/4" 4 pole twist lock output connector
- DDT™ protection
- Individual signal pass-thru 1/4" jacks on each channel
- Light weight
- LED illuminated
- DSP-based Loudspeaker Management System
- 120 ms of delay per channel
- 4 bands of parametric equalization per channel
- Security lock
- Adjustable fourth-order Linkwitz-Riley Crossover
- Adjustable fourth-order high-pass filter each channel

- Setup wizard
- MAXX Bass®
- Horn EQ each channel
- Blue, backlit LCD screen
- Weight Unpacked: 14.57 lb(6.61 kg)
- Weight Packed: 18.39 lb(8.34 kg)
- Width Packed: 21"(53.34 cm)
- Height Packed: 21.2"(53.848 cm)
- Depth Packed: 6"(15.24 cm)