



DIGITAL AMPLIFICATION

Model 4000 HVI

EXPERIMENT THE POWER OF
DIGITAL AMPLIFICATION

A TRUE REVOLUTION
IN THE AUDIO INDUSTRY
ISSUED FROM THE NEW HVI SERIES
LIGHT AND POWERFUL WITH HIGH QUALITY SOUND



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CLASS-D AMPLIFIERS / LESS THAN 12 POUNDS / ENERGY EFFICIENT / SPEAKER PROTECTION / PROGRAMMABLE OUTPUT POWER

Power Ratings 4ohm	2000W RMS per channel.
Power Ratings 8ohm	1000W RMS per channel.
Frequency Response	0,-0.5db 30-20 000Hz @ 1W RMS into 4 ohms +0,-0.5db 30-20 000Hz @ 2000W RMS into 4 ohms.
Total Harmonic Distortion	Less than 0.1% @ 1900W RMS per channel into 4 ohms Max2% distortion limiter active.
Transient Intermodulation Distortion	None (0%) due to the nature of the circuit.
Output Slew Rate	The amplifier output slew rate is internally controlled to optimize phase linearity and improve transient response, therefore it cannot have slew rate limit.
Hum and Noise	Greater than 105 db below full power, from 20-20 000Hz.
Input Sensitivity	26 db for full power into 4 or 8 ohms.
Load Protection	DC protection from input to output, load mismatch and accidental short circuit, limiter.
Load Impedance	2 ohms minimum per channel, current limited by muting at 64 Amps.
Limiter	2 Level limiter, first level at -2db to limit stress to loudspeaker, second level, distortion limiter, set to 2% distortion maximum under music and burst.
Power Consumption	1600 VA max at 4 ohms at 1/3 of power.
Front Panel Indicator	Enable, Limiter, Thermal, Protect and Power Drop.
Efficiency	Minimum of 97.5% at full power.
Mode of Operation for Power Supply	Switch mode resonant PWM power supply at 62.5Khz, 6.5KW capacity on each channel 4 Quadrant ground referenced common mode resonant power stage at 500Khz conversion amplifier.
Cooling	3 fans on each channel and small aluminium heat sink.
Input Voltage	95-135V or 190-260V Internally switchable.