



# DIGITAL AMPLIFICATION

Model 12K 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

<b>Power Ratings 4ohm</b>	6000W RMS per channel.
<b>Power Ratings 8ohm</b>	3000W RMS per channel.
<b>Frequency Response</b>	0,-0.5db 30-20 000Hz @ 1W RMS into 4 ohms +0,-0.5db 30-20 000Hz @ 6000W RMS into 4 ohms.
<b>Total Harmonic Distortion</b>	Less than 0.1% @ 5900W RMS per channel into 4 ohms Max 2% distortion limiter active.
<b>Transient Intermodulation Distortion</b>	None (0%) due to the nature of the circuit.
<b>Output Slew Rate</b>	The amplifier output slew rate is internally controlled to optimize phase linearity and improve transient response, therefore it cannot have slew rate limit.
<b>Hum and Noise</b>	Greater than 105 db below full power, from 20-20 000Hz.
<b>Input Sensitivity</b>	26 db for full power into 4 or 8 ohms.
<b>Load Protection</b>	DC protection from input to output, load mismatch and accidental short circuit, limiter.
<b>Load Impedance</b>	2 ohms minimum per channel, current limited by muting at 110 Amps.
<b>Limiter</b>	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.
<b>Power Consumption</b>	2000 VA max at 4 ohms at 1/3 of power per channel.
<b>Front Panel Indicator</b>	Enable, Limiter, Thermal, Protect and Power Drop.
<b>Efficiency</b>	Minimum of 97.5% at full power.
<b>Mode of Operation for Power Supply</b>	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.
<b>Cooling</b>	3 fans on each channel and small aluminium heat sink.
<b>Input Voltage</b>	95-135V or 190-260V Internally switchable.