



DIGITAL AMPLIFICATION

SERIE 800 DLS



EXPERIMENT THE POWER OF DIGITAL AMPLIFICATION

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

CLASS-D AMPLIFIERS / LESS THAN 6 POUNDS / ENERGY EFFICIENT / INTEGRATED TWO BAND CROSSOVER.

Power Ratings 2ohm	700W RMS per channel.
Power Ratings 4ohm	400W RMS per channel.
Power Ratings 8ohm	200W RMS per channel.
Frequency Response	0,-0.5db 30-20 000Hz @ 1W RMS into 4 ohms +0,-0.5db 30-20 000Hz @ 400W RMS into 4 ohms.
Total Harmonic Distortion	Less than 0.1% @ 400W RMS per channel into 4 ohms Max 2% 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 38 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	350W max at 4 ohms at 1/3 of power per channel.
Front Panel Indicator	Enable, Limiter, Thermal, Protect and Power Drop.
Efficiency	Minimum of 92% at full power.
Mode of Operation.	Switch mode resonant PWM power supply at 62.5Khz, 4KW capacity on each channel. 250Khz PWM amplifier.
Cooling	5 fans and small aluminium heat sink.