



The 5K-DSP amplifier from Ligwa represents an industry first. Never before has it been possible to economically purchase a shallow 2U rack mounting 4 channel power amplifier with this level of flexibility and power density. 5K-DSP integrates light-weight power supplies, high power sonically transparent class D amplifiers, full system monitoring (including 'end of line') and a fully featured USB or network controlled 24 bit 96kHz DSP processing platform as standard.

- **High efficiency Class D Amplifier**
- **4 X 1250W Bridgeable Channels**
- **2 Ohms and 70V/100V Line Capability**
- **96kHz DSP with Real-Time Monitoring**
- **Live Network & USB Control and Monitoring**
- **1250W 2 Ohms**
- **800W 4 Ohms**
- **450W 8 Ohms**
- **2500W 4 Ohms Bridged per pair**
- **1600W 8 Ohms Bridged per pair**
- **RMS, 20Hz-20kHz all channels driven**

Technical Specifications		LIGWA 5K-DSP
Max Input Level	+20dbu	
Distortion	<0.05% (1kHz, -3dB output. 22kHz BW)	
Frequency Response	20Hz-20KHz +/- 0.5db 40hm Load	
Indicators	Per channel: Sig, Limit -6dB, Limit Per channel: pair Power, Protect, Bridge, Network, User DSP active	
Controls Front	User DSP Defeat (can be disabled with PodWare) Power switch	
Connection Inputs	Audio input (per channel) 3 pin female XLR Audio link (per channel) 3 pin male XLR Mains Neutrik 'Powercon'	
Connection Outputs	Output (per channel) Neutrik NL4 'Speakon' USB Type B (peripheral type) Network (input & link) 2x RJ45 socket Auxiliary (input & link) 2x RJ45 socket	
DC on Output	Immediate shutdown, power cycle to recover	
Output over current	Initially gain reduced to maintain control, persistent over current causes shutdown	
Thermal	One variable speed fan per pair of channels and additionally One variable speed fan per unit Airflow is from the rear to the front	
Power Requirement	115v / 230v nominal +/- 10%	
Dimensions	H88mm x W482mm x D395mm. Including handles	



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