

# LS-10000

## LS-Series 2 Channel Power Amplifier

The LS-10000 is ideally suited for driving full range loud speakers or bass and sub bass enclosures.

Designed to drive sustained, high output audio down to a 2 Ohm load.

Featuring proprietry FFA Class D PWM amplifiers. These are partnered with high current switch mode PSU technology.

Massive bulk storage capacitance per channel ensures continuous high power deliver to the load. The LS-10000 is dual mono.

Each channel is totally independent.

Dual mono power amplifiers

are mains supply power efficient and operate cool in the most demanding environments.

Mechanical construction is tour grade with

aluminium used throughout the chassis design.

This provides a robust yet lightweight housing for the electronic systems.

## Features

- FFA Class D PWM amplifiers.
- Power supply soft start.
- High thermal headroom.
- High current Neutrik speakon NL4MP - UC connectors.
- Dual mono power amplifier.
- Clip limiter.
- 5 year factory warranty.
- Hand constructed and designed in England.
- Switch mode power supply.
- Power efficient.
- 2 Ohm drive.
- All aluminium construction.
- Dual power supply.
- Weight 12KG



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Units 5 & 6 Sandars Road, Heapham Road Industrial Estate, Gainsborough, Lincs, DN21 1RZ

# LS-10000

## LS-Series 2 Channel Power Amplifier

### TECHNICAL SPECIFICATION

## LS-10000

Power Rating	2 x 1500w RMS @ 8 Ohm 2 x 3000w RMS @ 4 Ohm 2 x 5000w RMS @ 2 Ohm
Gain	32 dB
THD	Typical 0.05 4 Ohm 1kHz THD+N
Frequency Response	20Hz - 20kHz
Controls	Power on rocker switch each channel. 40 Point Potentiometer per channel.
Indicators	Power 'on' green LED each channel, Signal present green LED, -3dB drive yellow LED, amplifier clip - red signal LED, amplifier protect due to over temp/clip limiter activated and 3 second mute at power up = red LED
Cooling	80mm variable speed high CFM fan. Rear to front air flow
Load Protection	DC on output, clip limiter
Amplifier Protection	Short circuit, current overload, thermal, reactive load stability
Audio Signal Inputs	Balanced Neutrik Female XLR input connected Pin 1 - GND, Pin 2 - Hot +, Pin 3 - Cold -. XLR Male signal throughput each channel
Audio Signal Outputs	Pair of Neutrik NL4MP-UC speakon connectors per channel. Each connector has all output poles live 1+, 1-, 2+, 2-. This allows the use of 4 core loudspeaker cable to minimise conductor losses between amplifier and loudspeaker
Power Supply	2 x 20A Neutrik powercon required - one per channel
Power Requirement	220-240 VAC 50-60Hz, 2 x 16A max per amplifier
Power Operational Range	185V-240VAC
Dimensions	2RU 19" rack mount enclosure, H88mm x W483mm x D510mm. Depth Includes integral rear rack support ears
Weight	12 kg



• Rev: 4



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