

DIGAM L SERIES

- DIGAMechnology
- Two and four channels lightweight
- DSP and remote control option

The light 2 or 4 channels version of Powersoft DIGAM amplifiers family



Digam L series represents the entry level of Powersoft Digam Amplifiers family. The size and weight is an absolute minimum thanks to the 1 U standard and the reduced depth of the equipment. The L series models are provided in two versions, Q (four channels) and LD (two channels). Available models provide 700W on 4 or each channel with bridge mode drive capability on 8 ohms. L series provide upgrade capability through plug-in option modules units for DSP processing and Remote Control functionality. L Series maintains the high professional class from small to medium applications of installed sound stage monitors and portable sound.

Output Specifications*

	4 Ω dual/quad	8 Ω dual/quad	8 Ω bridge	16 Ω bridge
LD1404	700 W	360 W	1400 W	720 W
LQ2804	700 W	360 W	1400 W	720 W

*EIAJ Est 1kHz 1%THD

Features:

- Advanced switch-mode power supply technology for high performance and compact size
- Variable speed fan for low noise
- Inrush Limiter for low AC inrush current, removing the need for expensive power sequencers
- XLR female style input connectors with link capability
- Built-in clip limiters
- Detented gain controls for fast and accurate gain settings (32, 30, 28, 26, 24, 22, 20, 14, 4 dB)
- Comprehensive front panel indicators including signal clip, protect and thermal forecast
- Fully protected circuit design including Duffonsonic, high frequency, thermal overload and short circuit
- Fixed frequency switchmode output stage for high grade sound accuracy
- Compact size: all models only 1RU for reduced rack cost and space
- Light weight: all models only 7.3kg (16pounds) for easier racking and shipping
- Remote Control Option (RS 485 interface)
- DSP plug in board option

Audio Section:

Channels: 2 or 4
Bandwidth (W, 8Q): 5Hz – 30KHz
SNR (20Hz-20kHz Aweighted): > 105dB
Distortion THD: Max < 0.5%rdm 0.1Wto fullpower (typically < 0.1%)
Intermodulation distortion DIM100Max < 0.02%rdm 0.1Wto fullpower (typically < 0.01%)
Intermodulation distortion SMPTE Max < 0.5%rdm 0.1Wto fullpower (typically < 0.1%)
Damping Factor (8Q): >200 @100Hz
Voltage Gain: 32dB
Slew Rate (8Q): 40VµS (input filter bypassed)

Power Section:

AC Line Voltages: 115 or 230 (+15%-25%) external selection (50/60Hz)
Operating Environment Temperature: 0°C / + 45° C
Consumption Average: 700 VA

Input/Output:

Input Connectors: balanced to ground, XLR female combo jack 6.3 mm
Input Impedance: 10 kΩ each leg electronically balanced to ground
Output Connectors: Neutrik® 4pole Speakon® connectors: pins 1+/1- single ended, 2+/2- bridged

Protections:

DC protection: protects against infrasonic signals
VHF protection: protects the loudspeakers against strong very high frequency non-musical signals above the audible range.
Thermal protection: prevents the amplifier from being overheated. The protection indicators on the front panel are switched on as a warning, before the protection process is initiated.
AC protection: shuts down the power supply if the line voltage is outside the operating voltage.
Clip limiter: prevents severely clipped waveforms from reaching the loudspeakers, whilst maintaining full peak power.

Controls/Indicators:

Front Panel: Led bar indicator, temp, ready. Channel gain control knobs.

Construction:

External Dimensions: Standard rack 19" - 1 unit (HxWxD) 44x482x358 mm
Weight: 7.3kg

Accessories:

Networking: Optional Board
Signal Processing: DSP Optional Board (one every two channels)

Main Applications:

Installations, Portable Sound

