

4 CHANNELS POWER AMPLIFIER

4 X 350W @ 8Ω

HIGH DAMPING FACTOR (>500)

CLASS D AMPLIFIER

ULTRA-LOW DISTORTION (<0.03% THD+N)

STEREO / PARALLEL MODES



The LD1400 Power Amplifier combines compact design with powerful, precise performance, delivering 350W per channel across four channels in a space-saving 1U chassis. With flexible **Stereo, Parallel, and Bridge modes**, it adapts easily to a wide range of audio setups, while its **clean sound reproduction**, low distortion, and high signal clarity ensure reliable, professional results. Designed for demanding environments, it features **comprehensive protection systems**, efficient **front-to-rear cooling**, and **intuitive controls** for seamless operation. Lightweight yet robust, the LD1400 is an ideal solution for live sound, installations, houses of worship, and corporate AV applications.

FEATURES

Compact Power, Professional Performance

The LD1400 is a high-performance 4-channel Class D power amplifier engineered for professional audio environments. Housed in a sleek 1U chassis, it delivers exceptional power, efficiency, and reliability—ideal for installations, live sound, and multi-zone systems.

Power & Flexibility

Delivering 350W per channel @ 8Ω, the LD1400 offers impressive power density in a lightweight form. With **Stereo and Parallel modes**, it adapts easily to a wide range of system configurations.

Clean, Accurate Sound

With a 20Hz–20kHz frequency response ($\pm 0.3\text{dB}$), $< 0.03\%$ THD+N, and $> 95\text{dB}$ S/N ratio, it ensures clear, transparent audio. A high damping factor (> 500) provides tight low-end control, while excellent channel separation enhances overall clarity.

Fast & Responsive

A $40\text{V}/\mu\text{s}$ slew rate ensures accurate reproduction of fast transients, preserving detail in both music and speech.

Reliable & Protected

Built for continuous operation, it features **comprehensive protection**, including soft start, DC, short circuit, overload, clip limiting, and thermal protection—ensuring system safety and long-term reliability.

Efficient & Installation-Friendly

A **front-to-rear cooling system** ensures stable performance in rack setups, while the **lightweight 1U (3.6kg) design** allows easy installation and transport.

SPECIFICATIONS

Stereo Power 8Ω	350W x 4
Frequency Response	20Hz-20KHz (±0.3dB)
THD+N	<0.03%@8Ω 1KHz
S/N Ratio	>95dB
Slew Ratio	40V/μS
Damping Factor	>500
Crosstalk	>70dB@8Ω 1KHz
Input Impedance (balance/unbalance)	10KΩ/20KΩ
Voltage gain (sensitivity: 8ohm)	38dB
Output Circuitry	Class D
Cooling	Air flow from front to rear
Protection	Soft start, DC, short circuit, overload, clip limit, overheat, progressive volume
Input Sensitivity	0.775V/1.0V

INDICATOR

Front Panel	Signal, clip, protect, power indicator, bridge, parallel power switch, volume control knob.
Rear Panel	Stereo and parallel switch, input sensitivity switch, low pass filter, high pass filter, grounding switch.

DIMENSION/WEIGHT

Product Dimensions (LxWxH)	483 x 382 x 45 mm (1U)
G.W.(±2KG)	3.1KG
Power Cord	AC110V/60Hz±10% removable American 13A

APPLICATION SCENARIOS

