

IPD 2400



- ▶ **Compact, high power density -**
IPD 2400 packs more power into 1U than many competitors offer in 2U, delivering a total of 2400 W of power into 2 channels (2 x 1200 W @ 4 ohms).
- ▶ **Powerful DSP with total of 40 real-time parametric EQs -**
Latest-generation DSP engine allowing up to 40 (10 per input and output on each channel) real time, multi-slope parametric EQs along with adjustable gain, input and output delay.
- ▶ **Networked control via IntelliDrive Controller GUI -**
Free to download IntelliDrive Controller software provides total control over every DSP parameter using a GUI optimized for touchscreens.
- ▶ **Software configurable limiters (SCVPL) -**
Scalable, definitive Lab.gruppen limiters, fully user-configurable using the Active Limiter Calculator within IntelliDrive Controller software (setting desired Voltage Peak values).
- ▶ **AES3 & analog inputs with redundant failover -**
With AES3 digital inputs standard, IPD 2400 connects directly to digital console stage boxes, eliminating a D-A/A-D conversion cycle, with automatic failover to analog.
- ▶ **Full control and VU metering via front panel display -**
All setup parameters for input mixing, DSP features and limiter setting are accessible on the front panel using two navigation buttons, a rotary encoder, and the backlit display. Channel mute buttons are also featured.
- ▶ **100 user-definable presets -**
Capacity for storing up to 100 loudspeaker system presets for quick call-up and easy on-site configuration.
- ▶ **4-channel input mixer -**
Mix seamlessly from AES inputs to analogue, perfect for live applications where main performance is followed by DJ for example, allowing FOH desk to be removed from chain while DJ set continues.

Re-writing the power amplifier rule book

Lab.gruppen has rewritten the rule book with the IPD Series, changing everything you'd expect from a compact and moderately priced amplifier. First, we took no shortcuts. The high sustained power output, exemplary performance, and robust built quality are everything you would expect in a Lab.gruppen product. What you would not expect are all the extras at no extra cost: analog and AES3 digital inputs, on-board DSP with a feature set rivaling high-priced external units, and Ethernet-based networking for monitoring and control by a computer at FOH or – using a WiFi router – a freely roaming iPad. All packed into a 1U chassis.

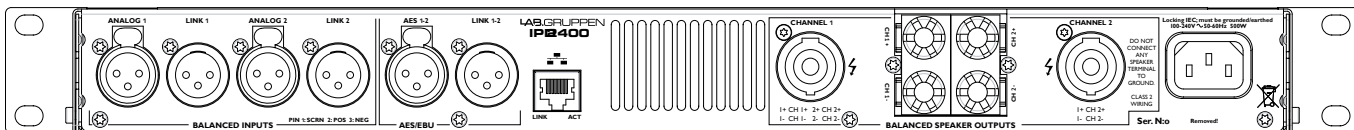
With AES3 digital inputs standard, IPD 2400 connects directly to digital console stage boxes, eliminating a D-A/A-D conversion cycle. AES3 inputs feature automatic failover to analogue, and input mixing is available for all four inputs. At the power output end, connections are available on binding posts or Neutrik speakON. IPD 2400 connects directly with any digital audio platform such as digital consoles, eliminating D-A/A-D conversion cycles.

All setup parameters for input mixing, DSP features and limiter setting are accessible on the front panel using two navigation buttons, a rotary encoder, and the backlit display. Individual channel mute buttons are also available. Up to 100 user-defined presets may be stored on-board. IPD 2400 also boasts Ethernet-based networked monitoring and control features. Network configuration is fast and foolproof, with automatic discovery and identification of all connected amplifiers.

IntelliDrive Controller Software

Each IPD Series amplifier houses a on-board DSP engine that rivals – in both power and feature set – what you'll find in high-quality external digital loudspeaker processing units. The free IntelliDrive Controller software application gives you total control over every DSP parameter using a GUI optimized for touchscreens yet also easily navigated using a mouse, touchpad or keyboard. IntelliDrive Controller software is available for free download for Mac or PC from www.ipdseries.com, and iPad version is downloadable through Apple's App Store. (Available summer of 2013.)





Specifications IPD 2400

Performance

Output power (Both channels driven)	2 ohm	800 W
	4 ohm	1200 W
	8 ohm	600 W
	16 ohm	350 W
Maximum total output power		2400 W
Number of channels, Not bridgable		2
Output Voltage		100 Vpeak
		70 Vrms
		39.2 dBu
Output current		20 Arms
Output noise		-66 dBu
Signal to noise ratio		105 dB
THD+N 20Hz-20kHz @1W		< 0,1 %
THD+N @ 1kHz, 1dB below clip		< 0,05 %
Channel separation @ 1kHz		> 80 dB
Frequency respons		2-42000 Hz
Input Impedance		18 kOhm
Common mode rejection		> 50 dB
Output impedance		25 mOhm
Input sensitivity for maximum output voltage		6 dBu
Maximum Analog input level		20 dBu
Gain (all DSP controls set to 0dB)		33.2 dB

Power

Nominal mains Voltage	100-240 VAC
Operating mains Voltage	60-265 VAC
Standby Consumption	< 7.5 W
Mains connector	IEC inlet (locking)

Connectors

Analog input connectors per channel	Neutrik XLR, 3pin female
Analog input link connectors per channel	Neutrik XLR, 3pin Male
AES input connector	Neutrik XLR, 3pin female
AES input link connector	Neutrik XLR, 3pin Male
Output connectors per channel	Neutrik SpeakOn / Binding post
Network connector	RJ45 (Ethernet)

Buttons

Power
Menu
Back
Mute (per channel)
Power

Encoder

Adjust/Set

LED's

Signal (per channel)
Lim (per channel)
Power state

Weight	6.2 kg (13.7 lbs)
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All specifications are subject to change without notice.