



# IPD 2400



- ▶ **High power density** – 2 x 1200 W at 4 ohms
- ▶ **Low mains current draw with proven IDEEA™ technology**
- ▶ **AES3 and analog inputs** – Redundant AES3-analog failover and link outputs for each type
- ▶ **Integrated DSP** – 40 multi-slope parametric equalizers, adjustable high- and low-pass filters, input and output delays (up to 2 s. each), crossover with multiple filter types
- ▶ **Networked control** – Input mixing and DSP parameters accessible on IntelliDrive Controller™ touch-based GUI
- ▶ **Wireless control via iPad** – Requires connection of WiFi router
- ▶ **Four-channel input mixer**
- ▶ **Software configurable limiters (SCVPL™)**
- ▶ **Binding post and Neutrik® speakON® connectors**
- ▶ **Universal power supply: 100 - 240 V at 50 or 60 Hz**

The IPD Series presents bold new thinking in two compact, powerful and cost-effective intelligent power amplifiers. As with all Lab.gruppen products, the IPD 2400 delivers high sustained power output along with exemplary performance and robust build quality. In addition, the IPD 2400 incorporates a full set of added value features: analog and AES3 digital inputs, on-board DSP (with functionality rivaling high-priced external units), and Ethernet-based networking for monitoring and control using a FOH computer or – coupled with a WiFi router – wirelessly via an iPad.

## Total Input Flexibility

With AES3 digital inputs standard, IPD Series amplifiers connect directly to digital console stage boxes, eliminating a D-A/A-D conversion cycle. AES3 inputs can be set for automatic failover to analog, and input mixing is available for all four inputs.

## Brawn with Brains

The IPD 2400 delivers a robust 2 x 1200 W 4 ohms, and couples its audio muscle to extraordinary intelligence. At the heart of the IPD platform is a latest-generation DSP engine equipped with up to a total of 40 real-time, multi-slope parametric EQs along with adjustable gain, input and output delay, and both high- and low-pass filters of multiple types adjustable to any frequency. Up to 100 user-defined presets may be stored on-board.

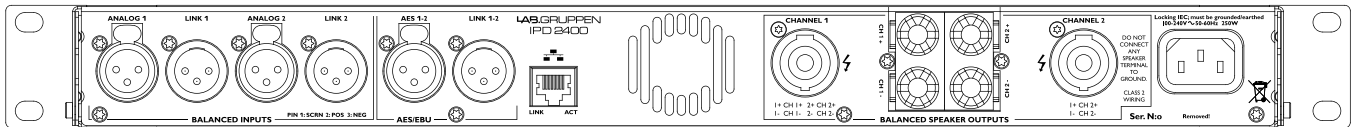
## Take Control. Anywhere.

All setup parameters for input mixing, DSP features and limiter setting are accessible on the front panel, along with dedicated mute buttons. However, most users will take advantage of the advanced, Ethernet-based networked monitoring and control features. Network configuration is fast and foolproof, with automatic discovery and identification of all connected amplifiers. The sleek IPD Controller GUI is designed for touch-based devices, and enables quick grouping of amplifiers along with intuitive setup and preset storage of all DSP parameters. Simply download the free app\* and add a WiFi router for iPad control anywhere in the venue.

\* Available late 2013

## Applications

- **Touring musicians' and rental systems**
- **Portable corporate AV systems**
- **Houses of worship**
- **Performing arts centres**
- **Hotels and convention centres**
- **Theme park installations**



## Specifications IPD 2400

<b>General</b>	
Number of channels (not bridgable)	2
Maximum total output power	2400 W
Output voltage	100 V peak / 70 Vrms / 39.2 dBu
Output current	20 Arms
<b>Max. Output Power</b> (all ch.'s driven)	
2 ohms	800 W
4 ohms	1200 W
8 ohms	600 W
16 ohms	300 W
<b>Performance</b>	
THD+N 20 Hz - 20 kHz @ 1 W	<0.1%
THD+N @ 1 kHz, 1 dB below clip	<0.05%
Output noise	-66 dBu
Signal To Noise Ratio	105 dB
Channel separation @ 1 kHz	>80 dB
Frequency response (-3 dB)	2 Hz - 42 kHz
Input impedance	18 kOhm
Common Mode Rejection (CMR)	>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 0 dB)	33.2 dB
<b>Mains power</b>	
Nominal mains voltage	100 - 240 VAC
Operating mains voltage	60 - 265 VAC
Standby consumption	<7.5 W
Mains connector	Locking IEC inlet
<b>Physical</b>	
Dimensions (Rack rail - rear panel)	W: 483 mm (19"), H: 44 mm (1 U), D: 359 mm (14.1")
Dimensions (over all incl. handles & rear support)	W: 483 mm (19"), H: 44 mm (1 U), D: 431 mm (17.0")
Weight	6.2 kg (13.7 lbs)
Finish	Black, anodized aluminium front panel. Black/grey steel chassis
<b>Connectors</b>	
Analog input connectors per channel	3-pin XLR female
Analog input link connectors per channel	3-pin XLR male
AES input connector	3-pin XLR female
AES input link connector	3-pin XLR male
Output connectors per channel	Neutrik speakON / Binding posts, electronically balanced
Network connector	RJ45 (Ethernet)
<b>Buttons</b>	
	Power
	Menu
	Back
	Mute (per channel)
	Power
<b>Encoder</b>	
	Adjust/Set
<b>LED's</b>	
	Signal / Mute (per channel)
	Limit (per channel)
	Power State
<b>Approvals</b>	
	CE, UL (ANSI/UL, CAN/CSA), PSE, RCM, CCC, FCC.

All specifications are subject to change without notice.

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