

Lab.gruppen IPD 2400 Compact 2400 Watt 2-Channel DSP Controlled Power Amplifier

General

Number of amplifier channels	2
Max total output all channels driven	2400 W
Peak output voltage per channel	70 Vrms
Max output current per channel	20 Arms

Max output power (all channels driven)

2 ohms	800 W
4 ohms	1200 W
8 ohms	600 W
16 ohms	300 W

Performance

THD 20 Hz - 20 kHz at 1 W	<0.1%
THD at 1 kHz and 1 dB below clipping	<0.05%
Signal to Noise Ratio	>102 dBA
Channel separation (Crosstalk) at 1 kHz	>80 dB
Frequency Response	2 Hz – 42 kHz
Input impedance	18 kOhm
Common Mode Rejection (CMR)	50 dB
Output impedance	25 mOhm

Gain, Sensitivity and Limiters

SCVPL	100 V peak
Sensitivity for full power	6 dBu
Gain (all DSP controls set to 0 dB)	33.2 dB
Level adjustment (per channel)	Software controlled from -inf to 0 dB

Connectors and Buttons

Analog input connectors (per ch.)	Neutrik XLR, 3pin female
Analog input link connectors (per ch.)	Neutrik XLR, 3pin male
AES input connectors (per ch.)	Neutrik XLR, 3pin female
AES input link connectors (per ch.)	Neutrik XLR, 3pin male
Output connectors (per ch.)	Neutrik speakON / binding post
Buttons	Power, Menu, Back, Mute (per ch.), Power
Encoder	Adjust / Set
Cooling	Dual fan, front to rear airflow, no filter required, temperature controlled speed

Power

Nominal voltage	100 – 240 VAC
Operating voltage	60 – 265 V AC
Standby consumption	<7.5 W
Mains connector	IEC inlet

Dimensions

Dimensions (Rack rail to rear panel)	W: 483 mm (19"), H: 44 mm (1 U), D: 359 mm (14.1")
Dimensions (Overall incl. handles and rear support)	W: 483 mm (19"), H: 44 mm (1 U), D: 431 mm (17")

Finish

Finish	Black anodized aluminum front and black / gray steel chassis
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Approvals

Approvals	CE, PSE, UL 60065, CAN/CSA-C22.2, No.60065:03, FCC part 15 Class A, EN 55103-1, EN55103-2, ROHS
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