

Connectors

Audio inputs.....	3 pin female XLR
Audio outputs.....	3 pin male XLR
Serial comms.....	Neutrik Chassis CAT5
Network comms.....	Future option
Mains.....	6.7k Ohm unbalanced
Mains Power.....	Universal switch-mode PSU, 85v to 250v AC, 50 / 60Hz
Consumption.....	< 2 +20dBu
Dimensions.....	10Hz - 20kHz+/-0.25dB
Weight.....	2 5Hz - 30kHz +/- 1dB
Output noise:	-110dB A weighted
Ref max output,	22kHz BW
Distortion:	<0.05%
	(1kHz, -3dB output. 22kHz BW)

Protection systems

Over Current	Initially limiters applied, persistent over current causes shutdown.
Brownout	Automatic protection & recovery
Mains	Inrush current limiting
DC fault	shut down power cycle to recover

Indicators

per channel	Sig, -10dB, Limit
per channel pair	Power, Protect, Bridge, Remote,

AMPLIFIER SECTION

Number of channels	Four
Output power (RMS program).	1250W RMS / ch. 20Hz-20kHz all channels driven into 2 Ohms
Slew rate	>80V/us
Damping factor	120 ref 8 Ohms
Efficiency	>90% typical

POWER SUPPLY

Type	High current, high freq. switch-mode
Efficiency	>90% typical
Input voltage	115v / 230v nominal +/- 10% Input voltage selection
Mains frequency range	45 - 65Hz
Other features	Automatic soft-start Automatic brownout recovery Automatic over-voltage protection Remote shutdown over emPad network

Operating temperature range	0 to +40°C
Relative humidity range	0 to 80% (non-condensing)

THERMAL

Two variable speed fans	Airflow is from front to rear
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PHYSICAL

Height	2U, 88mm
Width	19", 482mm
Depth	14", 360mm
Weight	12.5 Kgs

CONNECTIONS

Mains	Neutrik 'Powercon'
Audio input (per channel)	3 pin female XLR 3 pin male XLR for link
Output (per 2 channel)	Neutrik NL4 'Speakon'
Network (input & link)	RJ45 Auxiliary facilities
Auxiliary facilities	RJ45 Auxiliary facilities

Continued R&D leads to innovation & improvements.
In the light of implementing such improvements,
emPad reserves the right to change published specifications and parameters without prior notice..