

XPS 16K FOUR CHANNELS DSP AMPLIFIER



Description

XPS 16K is a four-channel power amplifier with advanced processing and analog/digital routing options for both touring and install use. With 4x4000 W Class D continuous power at 2.7 ohms, 40-bit floating-point processing at 96 kHz, and 32-bit internal routing, XPS 16K packs extreme power density in a 2U chassis. Designed for both touring and installed sound systems, XPS is intended for use with high-performance speakers and provides ready-to-use configurations and presets. It can also be used in linear mode with advanced tuning capabilities. Each output features: 4000 ms output delay (1372 m / 4501 ft), EQ Filters, Crossovers, FIR Filters, Multiband Compressor, RMS Limiter, and Thermal limiter. XPS delivers rider-friendly premium sound with full RDNet remote management, large touch interface onboard, exceptional signal/noise ratio, ultra-low distortion, and extreme dynamic range.

Features

- > 16000 W Total Continuous Power
- > 40-bit Floating-point Processing, up to 96 kHz
- > 32-bit Fixed-point Internal Routing
- > FiRPHASE, Bass Motion Control, Bass Shaper
- > RDNet Networked Management
- > Touch 4.3" Color TFT Interface
- $\,\,{}^{\backprime}$ Full On-board Processing with Delay, EQ, Comp/Limiter
- > On-board Speaker Presets Library

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Part	Num	per

12100037	XPS 16K	EU	90-240 V Black - RAL 9005	EAN 8024530019952
12100074	XPS 16K	US	90-240 V Black - RAL 9005	EAN 8024530020385
12100076	XPS 16K	UK	90-240 V Black - RAL 9005	EAN 8024530020842



XPS 16K

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Amplifier specifications	Amplifier Class	D
	Output Power (EIAJ 8:32 all channels driven)	4 x 4000 W @ 2.7 ohm
		4 x 2600 W @ 4 ohm
	Fraguancy Doctoons (7dD)	4 x 1400 W @ 8 ohm 20 Hz ÷ 23000 Hz
	Frequency Response (-3dB)	20 HZ ÷ 25000 HZ >111 dB
	SNR Analog inputs (unweighted) SNR Digital inputs (unweighted)	>115 dB
	Crosstalk	<70 dB
	Distortion (THD+N) (20 Hz ÷ 20000 Hz,1000 W @ 4	<0.2 %
	ohm)	NO.2 70
	Gain (linear mode @ 0 dB)	32 dB
	Damping factor (@ 4 ohm, 20 Hz ÷ 1500 Hz)	>95
	Max burst length (@ 50 Hz, CF = 7 dB, 4 ohm, 1% THD +N)	200 ms
Input section	Total number of inputs	8
	Line inputs	4
	Digital inputs	4
	General Purpose Inputs (GPI)	2
	Programmable GPI	Yes
	Photo-coupled GPI	2
Output section	Signal output number	4
	General Purpose Outputs (GPO)	3
	Programmable GPO	Yes
Processing	DSP	Yes
	EQ Filters	Yes
	Advanced algorithms	FiRPHASE technology BASS shaper air compensation
		mid-low correction driver excursion control dynamic
		PEQ multi-band compressor pilot tone detection backup recovery strategy impedance load measurement
	Compressors	Yes
	Delay	Yes
	Tone controls	Yes
	High-pass filter	10 Hz ÷ 1000 Hz
	Crossover	2500 ÷ 3500 Hz
	Automatic Gain Control (ACG)	Yes
Configuration and control	RCF speakers presets	Yes
3	Priority	Yes
Protections	Cooling	Forced
1100000000	Short circuit	Yes
	Thermal	Yes
	DC	Yes
	Fuses	Yes
	VHF (Very High Frequencies)	Yes
Operating conditions	Temperature range - Continuous operation	-5°C ÷ +40°C / +23°F ÷ +104°F
Operating conditions	Temperature range - Continuous operation Temperature range - Reduced output power	-5°C to +50°C / +23°F to +122°F
	Fan noise idle	-5 C to +50 C / +25 F to +122 F <35 dBA
	Fan noise max	<64 dBA
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Power requirement

Operating voltage

Nominal current AC @ 100-120 V Nominal current AC @ 220-240 V

Stand by power consumption Idle power consumption Power consumption

Main fuse

Standard compliance

Safety agency

Physical specifications

Cabinet/Case Material

Handles

Color

Rack mounting

Size / Weight

Width Depth

Height

Weight

90-240 V~ 50/60Hz

30 A

16 A

20 W

90 W 5800 W

Internal

CE compliant, UL 62368-1, 3rd Ed.

CSA C22.2 No. 62368-1:19, 3rd Ed.

2 metal handles for rack mount

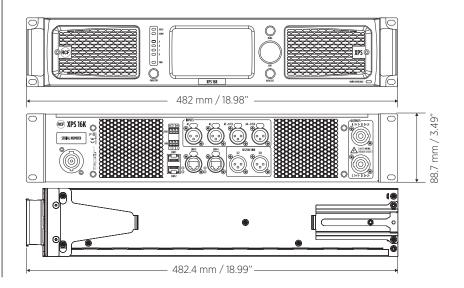
Black - RAL 9005

19", 2U

88.7 mm / 3.49 inches 482 mm / 18.98 inches 482.4 mm / 18.99 inches

15 kg / 33.07 lbs

Line Art 2D



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