XPS 16KD

DANTE-EQUIPPED 4-CHANNEL DSP POWER AMPLIFIER



Description

XPS 16KD is a four-channel power amplifier with advanced processing and advanced routing with Dante, digital and analog I/O 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 DSP and 32-bit routing up to 96 kHz
- Dante Audio Network
- FiRPHASE, Bass Motion Control, Bass Shaper
- RDNet Networked Management
- Touch 4.3" Color TFT Interface
- Full On-board Processing with Delay, EQ, Comp/Limiter
- On-board Speaker Presets Library
- Class-D Modules with SMPS and Advanced PFC

Part Number

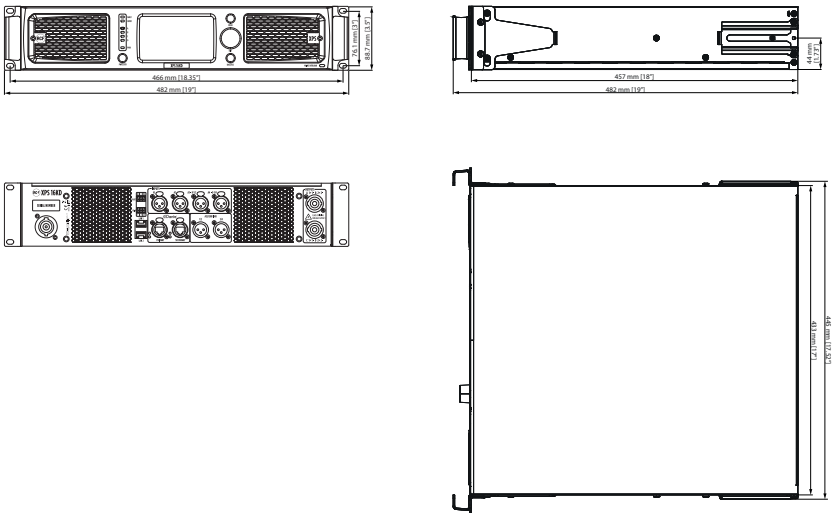
12100064	XPS 16KD	EU	100-240 V	Black - RAL 9005	EAN 8024530020125
12100075	XPS 16KD	US	100-240 V	Black - RAL 9005	EAN 8024530020392
12100077	XPS 16KD	UK	100-240 V	Black - RAL 9005	EAN 8024530020859

Products are continually improved. All specifications are therefore subject to change without notice.

Line Art 2D

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TECHNICAL SPECIFICATIONS

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 4 x 1400 W @ 8 ohm
	Frequency Response (-3dB)	20 Hz - 23000 Hz
	SNR Analog inputs (unweighted)	>111 dB
	SNR Digital inputs (unweighted)	>115 dB
	Crosstalk	<70 dB
	Distortion (THD+N) (20 Hz - 20000 Hz,1000 W @ 4 ohm)	<0.2 %
	Gain (linear mode @ 0 dB)	32 dB
	Damping factor (@ 8 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	16
	Line inputs	4
	Line connectors	XLR
	Digital inputs	12
	Digital connectors	Ethercon, XLR
	Digital type	AES/EBU, DANTE
	General Purpose Inputs (GPI)	2
	Programmable GPI	Yes
	Photo-coupled GPI	2

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Output section	Signal output number	4
	Signal output connectors	XLR
	Power output connectors	Speakon
	General Purpose Outputs (GPO)	3
	Programmable GPO	Yes
Processing	DSP	2 SHARC, 40-bit floating point, 96 kHz 2 ADAU, 32-bit fixed point, 96 kHz
	EQ Filters	Peaking, HI/LO-shelving, HI/LO-pass (Butterworth, Linkwitz-Riley, Bessel)
	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	RMS limiter, dynamic compressor, power limiter, thermal compressor
	Delay	0 ÷ 4000 ms (each channel)
	Tone controls	Yes
	High-pass filter	10 Hz - 1000 Hz
	Crossover	2500 - 3500 Hz
	Automatic Gain Control (ACG)	Yes
Configuration and control	Configuration	Front panel touch screen, PC Software
	Network	Gigabit ethernet
	RCF speakers presets	Yes
	Priority	Yes
	RDNet	Onboard
Protections	Cooling	Forced
	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
	Temperature range - Reduced output power	-5°C to +50°C / +23°F to +122°F
	Fan noise idle	<35 dBA
	Fan noise max	<64 dBA

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Power requirement	Operating voltage	100-240 V~ 50/60Hz
	Nominal current AC @ 100-120 V	30 A
	Nominal current AC @ 220-240 V	16 A
	Stand by power consumption	20 W
	Idle power consumption	90 W
	Power consumption	5800 W
	Main fuse	Internal
	Fuses Model	F 315 mA H 100 V
Standard compliance	Safety agency	CE compliant, UL 62368-1, 3rd Ed. CSA C22.2 No. 62368-1:19, 3rd Ed.
Physical specifications	Cabinet/Case Material	Metal
	Handles	2 metal handles for rack mount
	Color	Black - RAL 9005
	Rack mounting	19", 2U
Size / Weight	Height	88.7 mm / 3.49 inches
	Width	482 mm / 18.98 inches
	Depth	482.4 mm / 18.99 inches
	Weight	15 kg / 33.07 lbs

ACCESSORIES

Cables

CABLES KIT

12399082	CBL 010	Black	EAN 8024530021085
12399109	CBL99109	Black	EAN 8024530023324