

UXA4416

4 x 4000W DSP Amplifier

- ▶ 4 x 4000W of Class D amplification.
- ▶ 96kHz, 40-bit floating point DSP.
- ▶ 4.3" touch screen display with user friendly controls.
- ▶ Preloaded Greybox settings for EAW products.
- ▶ Configurable GPIO and DANTE available for additional input & output options.

OVERVIEW

UXA4416 represents the new generation of EAW four-channels DSP amplifiers, and offers a full package of extremely high-power amplification, innovative processing and analog/digital audio management in a single solution.

Its four processed, channels of audio amplification can optimize EAW professional systems' performance thanks to the on-board dedicated greybox presets library.

Resolution software allows for users to discover, configure, monitor and control a virtually unlimited number of amplifiers and loudspeakers.

Settings are accessible on the front capacitive 4.3" touch screen display, that together with a rotary encoder provides a complete, ergonomic and user friendly control.



TECHNOLOGIES



Beamwidth Matched Crossovers Introduced over a decade ago for our MK series loudspeakers, EAW Engineers use carefully-designed HF horns and crossovers to eliminate polar irregularities through the crossover point.



Focusing™ Use of advanced digital signal processing to perfect the impulse response of a loudspeaker in the time domain. Eliminating horn "honk" and splashiness, this makes the loudspeaker sound like a studio monitor instead of a "PA" speaker.



DynO™ Dynamic Optimization actively tracks input spectrum and power delivery, continually wicking maximizing output and fidelity at any drive level.



TECHNICAL SPECIFICATIONS

4 X 4000W 96KHZ DSP AMPLIFIER

AMPLIFIER SPECIFICATIONS		
Amplifier Class	D	
Output Power (all channels driven)	4 x 4000W @ 2.7 ohms	
	4 x 2600W @ 4 ohms	
	4 x 1400W @ 8 ohms	
Frequency Response (-3dB)	20 Hz - 23 kHz	
Gain (linear mode @ 0 dB)	32 dB	
INPUT SECTION		
Total number of inputs	8	
Line Inputs	4	
Line Connectors	XLR	
Input Impedance	19 kohm (unbalanced)	
Maximum input level	+24 dBu	
Digital inputs	4	
Digital connectors	Ethercon, XLR	
Digital type	4 AES/EBU, 8 DANTE	
General Purpose Inputs (GPI)	Programmable GPI	Yes
	Photo-coupled GPI	Yes
OUTPUT SECTION		
Signal output number:	4 x AES	
Power output lines:	4 x NL4	
General Purpose Outputs (GPO):	3	
PROCESSING		
Digital Signal Processing	40-bit floating point, 96 kHz	
EQ Filters	Peaking, HI/LO-shelving, HI-pass, LO-pass	
Advanced algorithms	Focusing, Beamwidth Matched Crossovers, DYNO	
Compressors	RMS limiter, dynamic compressor, power limiter, thermal compressor	
Delay	0 - 4000 ms (each channel)	
CONFIGURATION & CONTROL		
Configuration	Front panel touch screen, EAW Resolution	
Speakers Presets	EAW Greybox Library	
Control and monitoring protocols	Primary/Secondary DANTE	
Network	2 x Gigabit Ethernet	
POWER SUPPLY		
Operating voltage	90-240 V~ 50/60Hz	
Power consumption idle	90W	
Power consumption max	5800W*	
STANDARD COMPLIANCE		
Marking	CE, UL	
PHYSICAL		
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	

* 30A/208V circuit recommended for full power