

Product specifications



Adamson **DX 6000**



PRODUCT FEATURES

The DX 6000 was designed to supply the Adamson user with advanced and affordable speaker management. It is intended for use with SPEKTRIX compact line array and the LX, MX, and SX series. This 2 in, 4 out processor has a full complement of crossover, EQ, delay and limiting features.

Another primary function of the Adamson DX6000 is it's use with Adamson Convertible Cardiod Subwoofers. The processor employs sophisticated algorithms, allowing users to get 18dB more output from the front of their Adamson subwoofers compared to the rear.

DX 6000

technical specifications



DESCRIPTION

The DX 6000 provides digital crossover and control for the SPEKTRIX compact line array, as well as the LX, MX, and SX series. The processor accepts up to 96 KHz sampling rates through its AES digital input, and employs high quality 24 bit AD & DA converters. A dynamic range of 112 dB guarantees exceptional sound quality with a very low noise floor. At the heart of DX 6000 is two powerful 32 bit floating point DSPs (digital signal processor) with an internal resolution of 40bits.

The DX6000 features 6 parametric equalizers on each input and output, Butterworth, Bessel and Linkwitz-Riley filters up to 48 dB/oct, and advanced output limiters.

Adamson's 2 in, 4 out speaker management system, employs sophisticated cardioid algorithms allowing users to get 18dB more comparative output from the front of their Adamson Convertible Cardioid subwoofers.

The switching power supply accepts from 85 V to 240 V and adjusts itself automatically.

PRODUCT DATA

Input

Impedance	40 KW Balanced (20 KW unbalanced)
Connector	2 Balanced Inputs XLR (pin 2+)
AD converter	24 bits - 96 KHz
Dynamic Range	112 db
THD	0.0056%
Max level	18 dbu

Output

Impedance	75W
Connector	4 Balanced Outputs XLR (pin 2+)
DA converter	24 bits-96 KHz, 128x Oversampling
Dynamic Range	112 db
Output level	18 dbu

Digital Input

Connector	XLR (AES/EBU)
Formats	AES 3, IEC 60985,EIAJ 1201, S/PDIF (optional)
Sample rates with	96 KHz, 88,2 KHz, 48 KHz, 44,1 KHz, 32 KHz automatic detection
Clock recovery	Internal PLL
Processing	Two 32 bits DSP (digital signal processor) floating point, 40 bits of internal resolution
Power supply	85-240 V ~50-400hz, IEC connector. (auto adjustable, internal filter)
Consumption	20 W
Communication	Interface RS - 232 C

Environment

Operating temp.	0° to 50°C (32° to 122° F)
Storage temp.	30° to 70° C (-22° to 167°F)
Humidity	MAX 90% non condensed
Dimension	482 x 45 x 275 mm
Weight	3,5 Kg
Warranty	1 year



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