

DSX Specifications & Dimensions

Acoustical

TYPE	Dual 18" reflex loaded subwoofer.
FREQUENCY RESPONSE (1)	35Hz-150Hz \pm 3dB
MAXIMUM SPL	138dB continuous, 146dB peak (3)

Drivers

2x18" 100mm /4" voice coil, ultra-long excursion, high efficiency ferrite magnet.

Rated Power (2)

2400W AES, 9600W peak

Dispersion

Digitally controlled in an array.

Audio input

CONNECTORS	Female XLR input, male XLR link output
ANALOGUE INPUT IMPEDANCE	20k Ω balanced to ground
MAXIMUM ANALOGUE INPUT LEVEL	6.15Vrms (+18dBu), over voltage protected
AES/EBU IMPEDANCE	110Ohms balanced, Receive and transmit termination

Internal Processing

Single channel DSP, programmable via network
10 PEQ/shelving filters
Up to 48dB/Oct HPF and LPF
Up to 1 second of delay
Limiters with amplifier output current monitoring

Network

CONNECTORS	IP68 rated 8-way, quick-release type
PROTOCOL	U-NET

Amplifier Module

TYPE	Single channel switch-mode, fixed frequency
PEAK OUTPUT POWER	6000W
AVERAGE EFFICIENCY	85%
COOLING	2 x temperature controlled internal fans 1 x low-speed internal blower 1 x temperature controlled external fan
MAXIMUM AMBIENT TEMPERATURE	45°C (113°F) for full output

Power Supply

TYPE	Switch mode, fixed frequency with PFC
AC INPUT OPERATING RANGE	100–240V \sim AC, 50 - 60Hz
AC OVERVOLTAGE TOLERANCE	400V AC
POWER FACTOR	> 0.95
NOMINAL POWER CONSUMPTION	900W
MAINS CONNECTOR	16A IEC309 (Ceeform) – IP44 rated (IP67 when mated with mains distribution equipment supplied with system)

General

ENCLOSURE	Extensively braced multi-laminate birch-ply.
FINISH	Textured black PU coating
PROTECTIVE GRILLE	Black HEX perforated steel
DSX FITTINGS	Two skids on base, with mating channels on top Four interlocking skids on each side Large bar handle on each side Four rear-mounted 100mm (4in) castors DSX transit cover, with integral plywood lid Weather protection cowl
DSX-F FITTINGS	
In addition to DSX fittings, apart from where indicated	Rear castors replaced by front-mounted wheelboard Four proprietary flying brackets and quick-release pins Side-mounted skids replaced by four interlocking rubber side cheeks DSX-F transit cover, with integral plywood lid
IP Rating	IP 25
DIMENSIONS	DSX (W) 1060mm x (H) 595mm x (D) 834mm (1027mm with vent flap open) (W) 41.7in x (H) 23.4in x (D) 32.8in (40.4in) DSX-F (W) 1125mm x (H) 595mm x (D) 847mm (1027mm with vent flap open) (W) 44.3in x (H) 23.4in x (D) 33.5in (40.4in)
WEIGHT	DSX 122.2kg (269lbs) DSX-F 147.6kg (325lbs) ex. wheelboard
Accessories	Flying frame, including clinometer (DSX-F) Flying Pin (DSX-F) Mains distribution system Tour-grade network interconnects Merlin Controller/Unet Hub

Notes

- (1) Measured on-axis on ground plane (2π space) at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half-space at 1 metre with a tone burst signal.

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