## DSX

### COMPACT

### **Dual 18" Reflex Loaded Subwoofer**

### **Features**

- Ultra-high output subwoofer with onboard Class D amplification. DSP and networking
- Two reflex-loaded 18" (450mm)/4" (100mm) drivers perfectly balance low frequency extension and impact
- Switched mode power supply with PFC (Power Factor Correction) and global mains voltage operation
- Forward or rear-facing operation
- Designed to meet IP24 environmental rating

### **Applications**

- Outdoor festivals
- · Arenas and theatres
- Concert halls
- Premium fixed installations



Capable of more than 146dB peak output at 1m half-space, the ground-stack DSX powered and networked subwoofer achieves extremely high output levels from such a compact enclosure.

The DSX's high output capability is achieved by combining state-of-the-art driver technology with an onboard Class D amplifier module which can deliver 6kW peak power. Its two reflex-loaded 18" (450mm)/4" (100mm) drivers perfectly balance low frequency extension and impact.

Forward output as well as rear rejection can be optimised to achieve coverage where required and cancellation elsewhere.

A flying version, the DSX-F can be flown alongside or at the top of MLA Compact arrays, as well as being ground-stacked. The ground-stack DSX can be upgraded to a DSX-F by an easy-to-fit accessory kit.



# DSX



### **Dual 18" Reflex Loaded Subwoofer**

### **Technical Specifications**

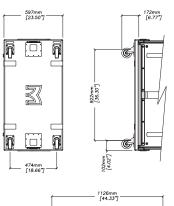
Acoustical	
TYPE	Dual 18" reflex loaded subwoofer.
FREQUENCY RESPONSE (1)	35Hz-150Hz ± 3dB
MAXIMUM SPL	138dB continuous, 146dB peak (3)
Drivers	2x18" 100mm /4" voice coil, ultra-long excursion, high
2111010	efficiency ferrite magnet.
Rated Power (2)	2400W AES, 9600W peak
Dispersion	Digitally controlled in an array.
Audio input	Digitally controlled in an array.
CONNECTORS	Female XLR input, male XLR link output
ANALOGUE INPUT IMPEDANCE	$20$ k $\Omega$ balanced to ground
MAXIMUM ANALOGUE INPUT LEVEL	6.15Vrms (+18dBu), over voltage protected
AES/EBU IMPEDANCE	1100hms balanced, Receive and transmit termination
Internal Processing	Single channel DSP, programmable via network 10 PEQ/
internal Frocessing	shelving filters
	Up to 48dB/Oct HPF and LPF Up to 1 second of delay
	Limiters with amplifier output current monitoring
Network	Limiters with ampliner output current monitoring
CONNECTORS	IP68 rated 8-way, quick-release type
PROTOCOL	U-NET
Amplifier Module	UTIILI
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
COOLING	internal blower
	1 x temperature controlled external fan
MAXIMUM AMBIENT TEMPERATURE	45°C (113°F) for full output
	45 G (115 F) for full output
Power Supply	Cuitab made fixed frequency with DEC
TYPE AC INPUT OPERATING RANGE	Switch mode, fixed frequency with PFC
AC INPUT OPERATING RANGE	100–240V ~ AC, 50 - 60Hz
AC POWER FACTOR	> 0.95
	> 0.95 900W
NOMINAL POWER CONSUMPTION	900W
	900W 16A IEC309 (Ceeform) — IP44 rated
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- (1) Measured on-axis on ground plane (2p 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.

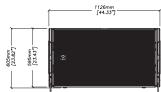
#### Trade Descriptions Act

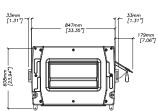
Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques.

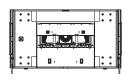
Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

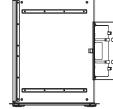












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