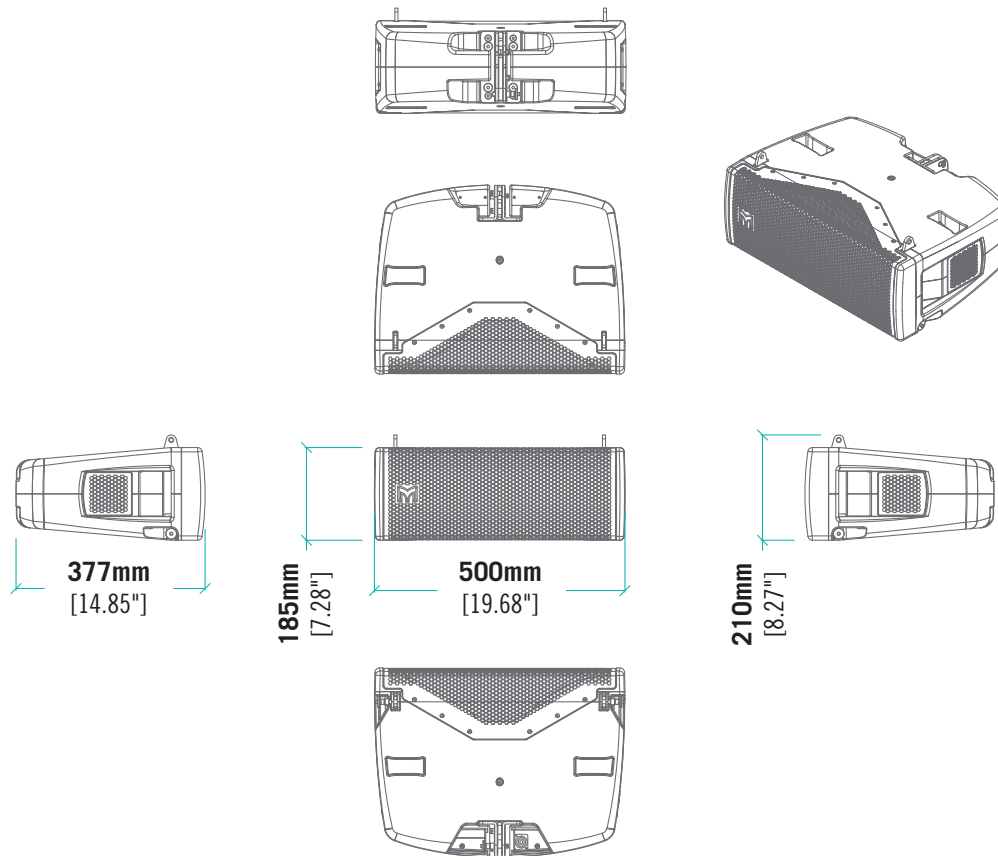


MLA MINI

SPECIFICATIONS AND DIMENSIONS



Acoustical TYPE	Two-way cellular-drive, array element, driven from MSX mini-subwoofer power plant	
FREQUENCY RESPONSE (1)	76Hz-18kHz \pm 3dB -10dB @ 63Hz	
MAXIMUM SPL @ 1m	1 x MLA Mini LF: 124dB continuous, 130dB peak (3) HF: 123dB continuous, 129dB peak (3)	
4 x MLA Mini	LF: 136dB continuous, 142dB peak (4) HF: 133dB continuous, 139dB peak (4)	
Drivers	LF	2 x 6.5" (165mm) contoured-diaphragm/2" (50mm) edge-wound CCAW voice coil, neodymium magnet drivers, reflex loaded
	HF	3 x 1.4" (35mm) aluminium dome/1.4" (35mm) voice coil, neodymium magnet compression drivers on constant-directivity waveguide
Rated Power (2)	LF	300W AES, 1200W peak
	HF	90W AES, 360W peak
Dispersion	(-6dB)	100° horizontal
	(-10dB)	125° horizontal 10° vertical
Crossover Frequency	1.1kHz	Vanishing Point™ FIR filter
Audio input CONNECTORS	Female NL4 input, connects to MSX power plant	
General ENCLOSURE	Vertical trapezoid with 5° wall angle. Skeletal steel braced, ribbed ABS structural foam construction	
FINISH	Textured black coating	
PROTECTIVE GRILLE	Black HEX perforated steel	
FITTINGS	Integral flyware for suspension of up to 16 MLA Mini Ergonomic handles on each side	
IP RATING	IP 25	
DIMENSIONS	(W) 500mm x (H) 210mm x (D) 377mm (including flyware) (W) 19.7in x (H) 8.3in x (D) 14.8in (including flyware)	
WEIGHT	13.5kg (29.8lbs)	

Notes

- (1) Measured on-axis on ground plane (2 π 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.
- (4) Measured in half-space at 2 metres, then referred to 1 metre. Enclosures set at 0.5° splay.

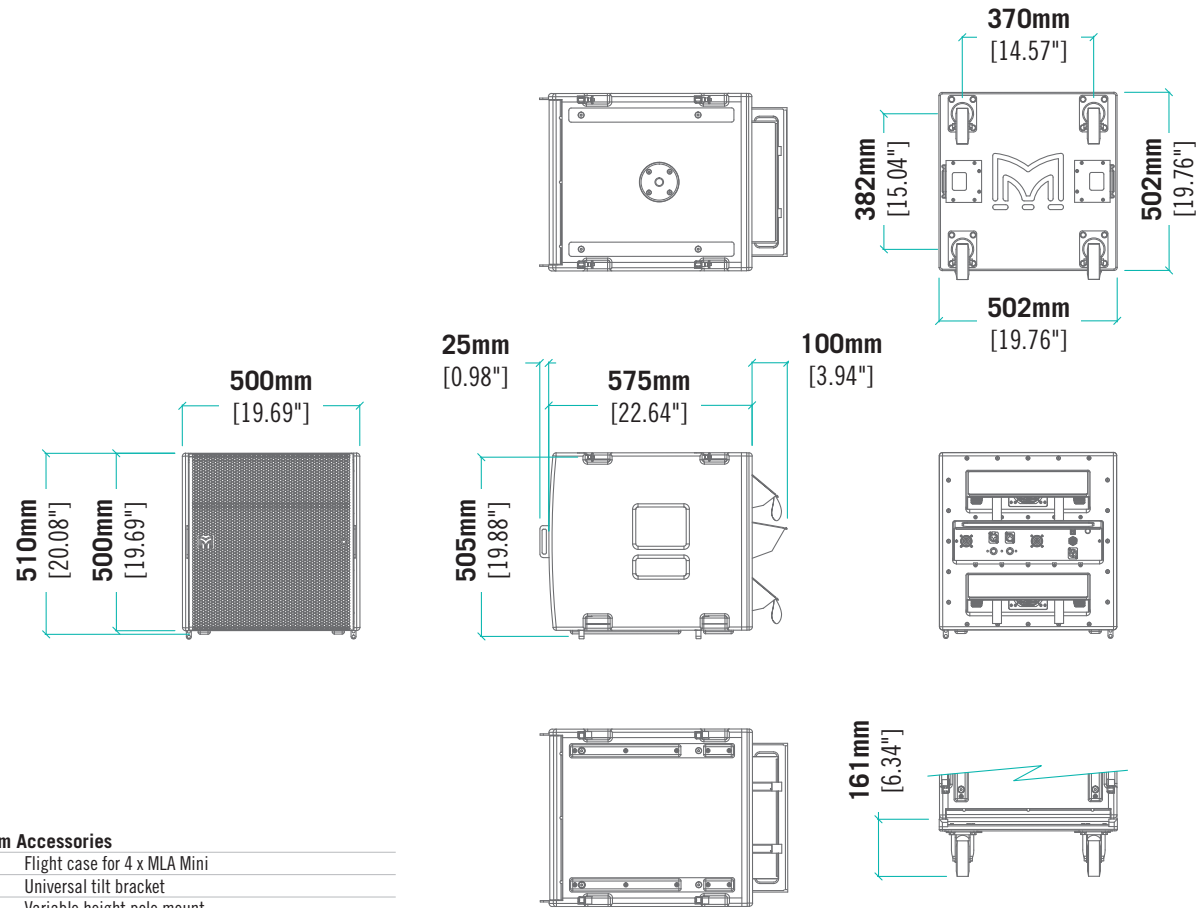


All information is Copyright © 2013 Martin Audio Ltd.

Martin Audio, the Martin Audio logo and Hybrid are registered trademarks of Martin Audio Ltd. in the United Kingdom, United States and other countries; all other Martin Audio trademarks are the property of Martin Audio Ltd.

MSX

SPECIFICATIONS AND DIMENSIONS



System Accessories

- Flight case for 4 x MLA Mini
- Universal tilt bracket
- Variable height pole mount
- MSX transit cover with integral plywood lid
- Wheelboard with 4 x 100mm castors
- Flying frame, including clinometer
- Transition frame for suspending MLA Mini beneath MSX
- Flying pin
- Ground stack bars
- Ground stack base plate
- Mains distribution system
- Tour-grade network interconnects
- Merlin Controller/U-NET Hub



All information is Copyright © 2013 Martin Audio Ltd.

Martin Audio, the Martin Audio logo and Hybrid are registered trademarks of Martin Audio Ltd. in the United Kingdom, United States and other countries; all other Martin Audio trademarks are the property of Martin Audio Ltd.

Notes

- (1) Measured on-axis on ground plane (2 π 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.

Acoustical	
TYPE	15" reflex loaded subwoofer
FREQUENCY RESPONSE (1)	50Hz-150Hz \pm 3dB
	-10dB @ 42Hz
MAXIMUM SPL @ 1m	126dB continuous, 132dB peak (3)
Driver	
	1 x 15" (380mm)/4" (100mm) voice coil, ultra-long excursion, high efficiency ferrite magnet
Rated Power (2)	800W AES, 3200W peak
MSX Dispersion	
	Omnidirectional. Cardioid arrays possible, using multiple MSX enclosures
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	110 Ohms balanced, receive and transmit termination
Internal Processing	
	Multi-channel DSP, programmable via network
	10 PEQ/shelving filters per channel
	Up to 48dB/Oct HPF and LPF
	FIR filtering on MLA Mini channels
	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	9 channel switch-mode, class D
PEAK OUTPUT POWER	7000W total
	1400W MSX (or alternative 4 Ohm subwoofer)
	700W MLA Mini LF x 4
	700W MLA Mini HF x 4
CONNECTORS	2 x NL8 outputs to MLA Mini x 4
AVERAGE EFFICIENCY	85%
COOLING	2 x temperature controlled internal fans
	1 x low-speed internal blower
	2 x temperature controlled external fans
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 ~ AC, 50 – 60Hz
AC OVERVOLTAGE TOLERANCE	400V AC
POWER FACTOR	> 0.95
NOMINAL POWER CONSUMPTION	900W
MAINS CONNECTOR	Neutrik® Powercon True1
General	
ENCLOSURE	Extensively braced multi-laminate birch-ply
FINISH	Textured black PU coating
PROTECTIVE GRILLE	Black HEX perforated steel
FITTINGS	
	Two skirts on base, with mating channels on top
	M20 top-mounted thread plate for MLA Mini pole
	Integral flyware for suspension of up to 4 MSX
	Large bar handle on each side
	Two front-mounted latch plates for wheelboard
	Weather protection cowl
IP RATING	IP 25
DIMENSIONS	(W) 500mm x (H) 510mm x (D) 575mm (675mm with vent flap open) (W) 19.7in x (H) 20.1in x (D) 22.6in (26.6in)
WEIGHT	58kg (128lbs) 65kg (143lbs) inc wheelboard