WS2A
Compact dual-driver subwoofer

features
- Dedicated ultra-low frequency system
- Twin high efficiency 15" (380mm) transducers
- Extended response to 30Hz (-10dB)
- Multi-laminate birch plywood construction

applications
- Theatre sub-bass
- Live sound reinforcement
- Nightclub system sub-bass

The WS2A is a dedicated subwoofer for use with Wavefront Series full-range enclosures in situations where ultra-low frequency enhancement and increased system headroom are required.

It will extend the power bandwidth of the complete system to below 35Hz and is capable of reproducing levels of deep bass normally associated with much larger enclosures.

It is intended to be sited at ground level whilst the main system is flown - its compact dimensions making it particularly suited to theatre and nightclub applications.

The WS2A features twin high efficiency 15" (380mm) diameter/4" (100mm) voice coil drivers reflex loaded in an unusually compact plywood enclosure built using the same construction techniques as larger Martin touring systems.

It is designed to be used below 100Hz in conjunction with the DX1.5 system controller configured for the WS2A to provide system specific equalisation, crossover and limiter functions.
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Overall dimensions

320mm [12.60”]

173mm [6.80”]

572mm [22.52”]

716mm [28.19”]

827mm [32.56”]

651mm [25.63”]

585mm [23.03”]

88mm [3.46”]

235mm [9.25”]

406mm [15.98”]
The loudspeaker system shall be of the dual-driver sub-bass type consisting of two 15" (380mm) direct radiating low frequency transducers reflex loaded in a multi-laminate birch ply enclosure fitted with 4" (100mm) castors for easy deployment. The loudspeaker system shall operate with a separate dedicated electronic system controller.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:

- Frequency response measured 1 metre on axis shall be 38Hz-100Hz ±3dB.
- Power handling shall be 1000W AES, 4000W peak.
- Rated impedance shall be 4 ohms.
- Maximum SPL measured at 1 metre on axis shall be 135dB continuous, 141dB peak.

Dimensions (W) 572mm x (H) 827mm x (D) 585mm (22.5ins x 32.5ins x 23ins).
- Weight 60kg (132lbs).

The loudspeaker system shall be the Martin Audio WS2A.