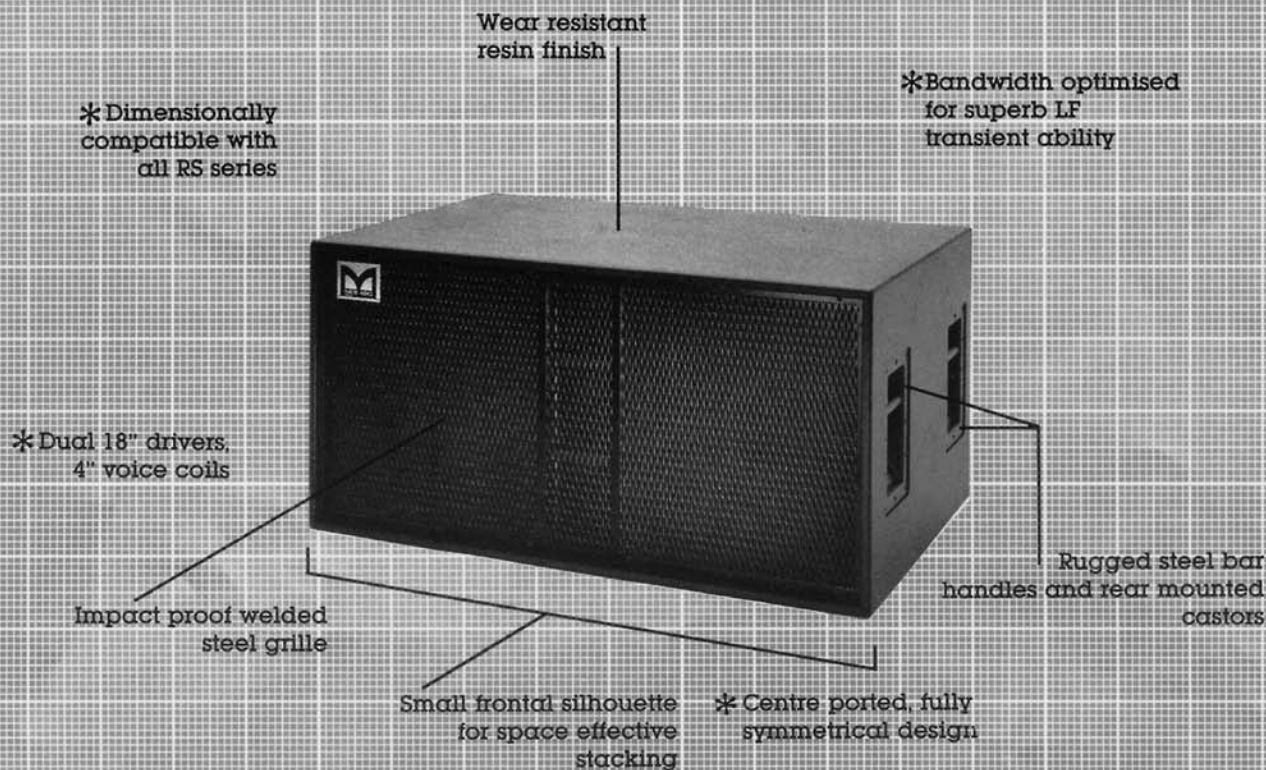


BSX Versatile Triple Driver Coaxial System



The **RS System** was developed and proven as a stand alone concept: sufficient deep bass to not need a full time sub bass system. However, some applications will dictate high output to below 30Hz. The changing demands in modern music and the trend in professional discotheques often require enhanced system headroom in the 30-70Hz region.

Martin has developed the **BSX** sub bass system to meet this demand. The maximum radiation efficiency concept of the **BSX** is combined with innovative crossover design. Exploitation of phase combining frequency overlap techniques provides massive system gain from 80Hz down; dramatically improving bass headroom. Transient accuracy and solid weight of low bass compliments the unmistakable dynamic kick of the all horn loaded **RS System**.

**Power
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Hand Crafted Systems for the Professional user

SPECIFICATION BSX

Applications and Use

The **Martin BSX**, used with an appropriate crossover exploiting phase combining frequency overlap techniques, is capable of providing a horn loaded system with a massive boost in output, progressively from 80Hz down. It must be realised that a correctly designed bass horn exhibits very high efficiency: it is not possible for a direct radiator system to compete unless the crossover used allows for additive combining of the two elements. For high level use, it is mandatory to use precision limiting techniques to prevent the sub bass amp from excessive clipping. **Martin** is currently developing a crossover which will enable full exploitation of the vented box sub bass and bass horn combination.

Several systems have been built and installed using a hybrid crossover limiter combination with outstanding success. One such system is the Frontier Club (Yorkshire, England) which uses no fewer than ten RS1200 4 way systems, enhanced with 8 BSX sub bass cabinets. Performance is stunning: the most dynamic low end we have ever created. To users who insist on the finest, **Martin** will supply crossovers and constructional details to enable this system to be replicated. Contact us for further details.

Type:	vented box sub bass, effective internal volume 376 litre (13.3cu.ft.)
Geometry:	centre ported, fully symmetrical, internally braced, damped with bonded acetate fibre
Drivers:	2 x 46cm (18") combined impedance 4 ohms minimum
1 System Bandwidth:	28 - 150Hz
System Sensitivity:	101dB 1 W, 1 m
System Rated Power:	1000 W program
Connectors:	3 pin XLR type
Cabinet:	18mm finest grade multi layer WPB Finnish birch, rebated, slot routed glued, assembled with multiple 45mm twin thread hardened screws
Paint Finish:	proprietary resin base semi matt black
Grille:	impact proof expanded steel mesh
Transport:	4 x recessed steel bar handles, 4 x rear mounted wheels (detachable for permanent installation).

BSX WEIGHTS & DIMENSIONS

Dimensions (WxHxD):	114.5cm x 57cm x 76cm (add 12.5cm with swivel castors) 45" x 22.5" x 30" (add 5" with swivel castors)
Shipping Dimensions:	117cm x 60cm x 90cm (46" x 23.6" x 35.5")
Weight:	88Kg (194lbs)
Shipping Weight:	95Kg (209lbs)

1. The BSX is extremely well damped internally; it may therefore be used up to a 200Hz crossover point for other applications e.g. used with flown mid/high cabinets in a discotheque

E. & O. E. Specifications subject to Change without notice. Provisional-Jan 1986.

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