

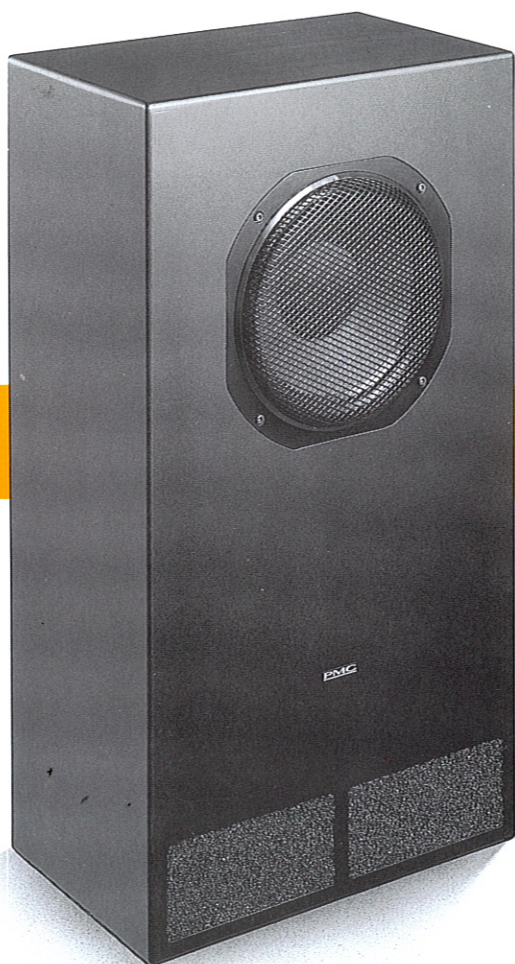
PMC

M O N I T O R S

The Professional Monitor Company's XB1 transmission line sub-bass system is intended to supplement the output of smaller nearfield monitors such as PMC's TB1S which it feeds as satellites. Requiring no additional electronics or amplifiers the XB1 can be placed out of sight and provides the answer to the problems of space and cost by offering full frequency, high quality, high SPL monitoring.

XB1's dual voice coil summing drive unit benefits from transmission line loading which offers:

- Exceptional low frequency extension
- Lower colouration
- Consistent balance at all levels
- High SPL's without distortion or compression



X B 1

The Transmission Line

XB1's bass driver is mounted at the mouth of a long tapered line damped with an acoustic absorbent, whilst the other end terminates in a port which radiates as a piston. As the frequency is lowered, control on the driver is increased, resulting in a system capable of higher SPL's than the equivalent ported design. This ensures operation within the driver's linear range and reduces low frequency distortion and colouration. The XB1, like all PMC's transmission line monitors, retains bass end balance and quality irrespective of monitoring level.

The Drive Unit

The XB1 uses a 250mm, dual voice coil, cast driver, which electrically sums the bass signal from each stereo channel. Unlike single voice coil designs this approach avoids adverse affects caused by the interaction of the two channel amplifiers. The unit features a rigid, piston-like cone, two-layer, long throw voice coil and double rear suspension for high power handling.

The Crossover

A 12 element stereo crossover network centred on 100Hz filters the low frequencies for the XB1 driver and derives a left and right feed, minus LF, for the satellite speakers. The crossover utilises high current, low-loss capacitors and inductors. All internal wiring is implemented using oxygen free copper (OFC) cable.

The Professional Monitor Company

Connections

Stereo left and right input and output connectors are provided on the rear of the XB1 by 4 pairs of 4mm binding posts.

The Cabinets

As with all our monitor loudspeakers, high engineering and build quality is of paramount importance. Constructed from thick 18mm MDF with a 25mm front baffle, the XB1's are additionally strengthened by internal line partitioning. Before installation of the driver, electronics and wiring the cabinets receive a final treatment of bitumastic pc ds



Specification

Usable frequency response
25 - 200Hz

Peak SPL @ 1 metre
>116dB

Sensitivity
90dB 1 watt 1 metre

Recommended Amp power
Up to 200 watts

Effective line length
2.4 metres (8ft)

Crossover frequency
100Hz

Impedance
8 ohms nominal

Drive Unit
diecast 250mm dual voice coil

Input/Output Connectors
4 Pairs Binding post / 4mm banana

Finish
Textured Black

Weight
28kgs each

Dimensions
Height 790mm
Width 430mm
Depth 267mm

Other
Units can be mounted horizontally or vertically
Further details on request.
Subject to change without notice

XB1 MONITORS



and acoustic foams. We pride ourselves in our engineering and build quality from cabinet maker to final packing. Attention to detail at every stage of assembly means that matched and

selected quality

components are used throughout.

This guarantees the product you receive is the one we designed.

PMc

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