

PMC

M O N I T O R S

The Professional Monitor Company's small and compact LB1 transmission line monitor loudspeakers, are suitable for nearfield applications or where full range reference monitoring is required and when space is at a premium, such as on OB vehicles and in small control rooms.

LB1's transmission line loading offers the following advantages over a conventionally ported loudspeaker:

- Exceptional low frequency extension
- Lower colouration
- Neutral yet dynamic performance
- Consistent balance at all levels
- Higher SPL's without distortion or compression

L B 1

The Transmission Line

LB1'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 at low frequencies 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 drivers linear range and reduces low frequency distortion and colouration. All PMC's transmission line monitors retain their bass end balance and quality irrespective of level.

The Drive Units

The LB1 uses two high quality low colouration drivers, capable of sustaining massive transient power peaks without compression. The units are carefully integrated by a 12 element 4th order crossover ensuring an even, neutral response with consistent image control and projection, irrespective of listening position. All internal wiring is implemented using oxygen free copper (OFC) cable.



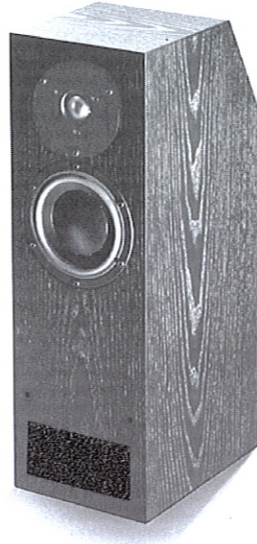
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Connections

Full biwire/biamp facilities are provided on the LB1. Two options are available; either via the Neutrik NL4 Speakon or by two pairs of Gold plated binding posts, both versions allow separate cables to be used to connect the bass driver and tweeter to the amplifier if required.

The Cabinets

As with all Loudspeakers in our series high engineering and build quality is of paramount importance. Constructed from double veneered MDF, the LB1's are additionally strengthened by the internal line partitioning. Before installation of the matched components and drivers the



Specification

Usable frequency response
35Hz - 25kHz

Peak SPL @ 1 metre
>114dB

Sensitivity
87dB 1 watt 1 metre

Recommended Amp power
Up to 300 watts

Effective line length
1.7metres (5.5ft)

Crossover frequency
2.5kHz

Impedance
4 ohms nominal

Drive Unit Compliment
Bass: 110mm 1kw pulse
75mm voice coil
Tweeter: Fabric (silk) soft dome with double chamber

Input Connector Options
2 Pairs Gold Binding post / 4mm banana or Neutrik NL4 Speakon

Finishes
Black Ash / Walnut / Rosewood mirrored real wood veneers

Weight
8.5kgs each

Dimensions
Height 534mm
Width 180mm
Depth 268mm

Options
Magnetically Shielded
Low profile version
Centre channel single

Stands
Specialist Stands for Studio use are available
Further details on request.

Subject to change without notice

cabinets receive a final treatment of bitumastic pads 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.



LB1 MONITORS

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