

PMC

M O N I T O R S

The Professional Monitor Company's TB1 Loudspeaker employs Transflex loading which combines the virtues of a full transmission line yet in a small compact enclosure suitable for nearfield use in recording studios or as a stand mounted reference Hi-Fi loudspeaker in the domestic environment.

TB1's Transflex loading offers the following advantages over a more conventional ported loudspeaker:

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



T B 1

Transflex

PMCs transmission line loudspeakers offer exceptional driver control and achieve higher SPL's, lower distortion and colouration than an equivalent reflex ported loudspeaker. TB1 uses a hybrid line system PMC call Transflex loading. This is a truncated transmission line tuned to 70Hz, however unlike a reflex speaker where response would fall rapidly at 24dB/octave, the TB1's roll-off is modified by this very short line extending in room response down to 40Hz. All the notable transmission line attributes are retained; dynamic performance, high SPL, an even balance and clarity at all listening levels.

The Drive Units

TB1 utilises a 170mm cast bass driver and a 25mm aluminium alloy tweeter with precision phase shield. Ferrofluid is applied in the magnet gap of the tweeter to ensure thermal stability and to reduce dynamic/power compression. Constructed using silver loaded solders, a minimalist 6dB/octave hardwired crossover integrates the two drivers. The crossover components are selected not only for technical merit but also with an emphasis on sonic quality and musical enjoyment. All internal wiring is implemented using oxygen free copper (OFC) cable.

The Professional Monitor Company

Connections

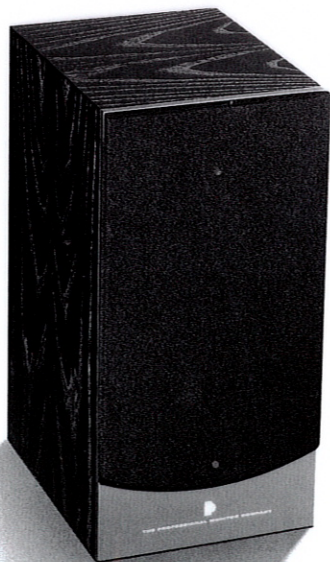
Full biwire/biamp facilities are provided on the TB1 by two pairs of Gold plated binding posts allowing separate cables to be used to connect the bass driver and tweeter to the amplifier.

The Cabinets

As with all Loudspeakers in our series high engineering and build quality is of paramount importance. Constructed from thick double veneered 18mm MDF, the TB1's are additionally strengthened by internal partitioning. Before installation of the matched components



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and drivers the 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, which guarantees the product you receive is the one we designed.

Specification

Usable frequency response
40Hz - 25kHz

Peak SPL @ 1 metre
>113dB

Sensitivity
90dB 1 watt 1 metre

Recommended Amp power
150 Watts

Effective line length
1.2 metres (4ft)

Crossover frequency
3kHz

Impedance
8 ohms nominal

Drive Unit Compliment
Bass: doped 170mm cast magnesium alloy
Tweeter: Aluminium alloy phase shield - ferrofluid

Input Connectors
2 Pairs Gold Binding post / 4mm banana

Finishes
Black Ash / Walnut both with grey metallic finish baffle and removable grille

Weight
8.5kgs each

Dimensions
Height 400mm
Width 200mm
Depth 250mm

Other
Magnetically Shielded version available

Stands
Specialist Stands for Studio use are available
Further details on request.
Subject to change without notice

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