

MB2

+45°

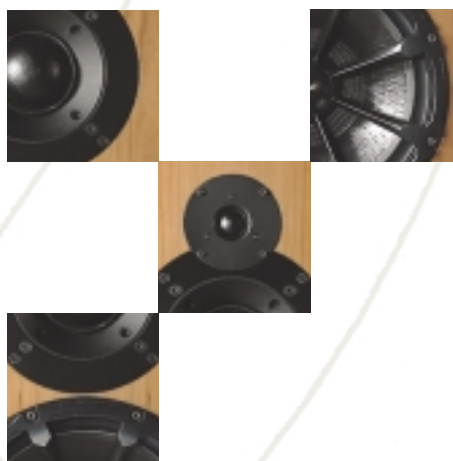


## MB2

The MB2 is the embodiment of our innovative approach to the high quality professional monitoring, brought into your home.

In keeping with all PMC monitors, the three-way MB2 benefits from the use of transmission line loading technology and 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
- Stable and consistent 3D image



MB2 Cherry + Stand

-45°

## The Transmission Line

The MB2'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 vent, which, at low frequencies, radiates like 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. All PMC's transmission line monitors retain their bass end balance and quality irrespective of level.

## The Drive Units

PMC have utilised three state of the art drivers for the MB2, including soft fabric domed mid and treble units. The MB2 features a custom, radial bass driver, where the chassis is bolted to the magnet centre pole and acts as heatsink outside the cabinet. Essentially, this driver avoids the effects of power compression that can result after sustained and heavy use, and achieves over 2db more maximum level than an equivalent conventional unit. To ensure an even and symmetrical dispersion characteristic, PMC have developed a 32-element 4th order filter network for the passive MB2. This crossover is carefully engineered to integrate driver response and utilises high current low loss inductors and capacitors. All internal wiring is implemented using oxygen free copper (OFC) cable.

## The Cabinets

Ultimately, the final performance of any loudspeaker depends on how well it is made. The MB2's are constructed from thick, double veneered MDF, additionally strengthened by substantial internal partitioning and careful panel orientation. Prior to driver and crossover installation, the cabinets receive a final treatment of bitumastic pads and selected acoustic grade 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.

## MB2XBD Passive

The reference passive system with external high power crossover

## MB2 Active & MB2XBD Active

The ultimate high performance package. Includes external active crossovers and power amplifiers. (see PMC's large active brochure for further details)



MB2XBD



## Specification

### Usable frequency response

20Hz - 25kHz

### Peak SPL @ 1 metre

>124dB

### Sensitivity

91dB 1 watt 1 metre

### Recommended Amp power

Up to 800 watts

### Effective line length

3 metres (10ft)

### Crossover frequency

380Hz & 3.8kHz

### Impedance

4 ohms nominal

### Drive Unit Compliment

Bass: 310mm 12 inch radial

Mid: 75mm 3 inch fabric dome

Tweeter: 27mm 1 inch Fabric (silk) soft dome with double chamber

### Weight

Wt: 49kgs 108lbs each

### Dimensions

Height: 870mm 34.25 inches

Width: 380mm 14.96 inches

Depth: 535mm 21.06 inches

### Stands

Specialist Stands for Studio and Domestic use are available

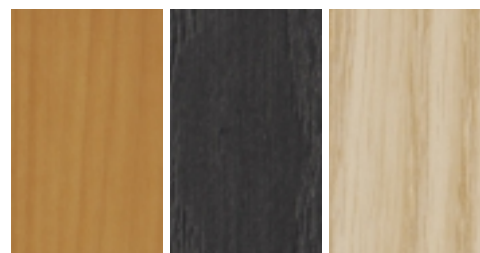
Further details on request

Subject to change without notice

Cherry

Black Ash

Oak



MB2 centre channel



XB2 Subwoofer for the .1 effects channel



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