

## Introduction

Thank you for purchasing the DB1 loudspeaker, one of The Professional Monitor Company's range of carefully engineered and innovative loudspeakers.

In order that you can take full advantage of their performance, please take a little time to read through the following information.

## Help

If you should require help or assistance please call your dealer first, if they are unable to assist call your local agent/distributor or the Professional Monitor Co. but please have ready the serial number and details of where and when you purchased your DB1's.

## Warranty

As soon as possible after installing your loudspeakers, please complete and return your guarantee card.

## Unpacking

The DB1's are packed inside a heavy duty outer protective cardboard casing. The speakers are suspended by dedicated foam supports. Please take care when removing and handling the units. The packing materials should be retained for use should it become necessary to return a unit for servicing.

## Amplifier Power Requirements

It is recommended that amplifiers of between 50 and 100watts output are used, although more powerful amplifiers can be successfully used if care is taken not to overdrive the loudspeaker.

Driving an amplifier too hard into "clipping" can result in damage to the loudspeaker. Very often amplifiers are equipped with complicated protection circuitry which is more often than not designed to protect the amplifier at the expense of the loudspeakers. A powerful amplifier operating well inside its capability will generally be less likely to damage your speakers than a less powerful one operating close to its limits.

## Connection

Ensure your amplifier is switched off before you make any connections to your loudspeakers. Which ever connection method you choose always use good quality cables to connect your amplifier to your loudspeakers. We would recommend the use

of multi-stranded copper cable of reasonable cross sectional area.

The DB1 is equipped with four binding posts (2red/+ve, 2 black/-ve) which can accept either standard 4mm banana plugs or bare wire. Where gold plated binding posts are used we would strongly recommend the use of gold plated banana plugs.

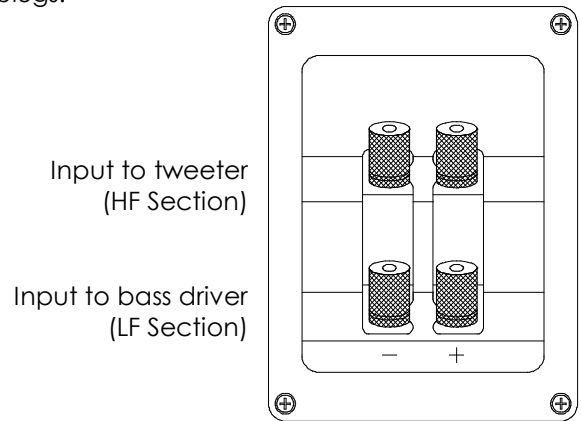


Figure 1: DB1 Rear Connection Panel

It is possible to configure the DB1 for either standard, Biwire or Biamp working. The units are shipped for Standard wire operation as described in 1. below.

### 1. Standard Operation

Simply connect your cable between the red (+ve) and Black (-ve) terminals. Either the upper or lower set of binding posts may be used. Do not remove the linking bars and ensure that the binding posts are done up tightly.

### 2. Biwire Operation

Loosen the binding posts and remove the linking bars. The HF and LF sections of the loudspeaker are now separated, individual cables can now be fed from your amplifier to the input of each section. The upper terminals are the input to the HF driver and the lower pair the LF driver.

### 3. Biamp Operation

In this mode the LF and HF drivers are fed from two separate amplifiers, both of which are fed the same input signal. Loosen the binding posts and remove the linking bars. The HF and LF sections of the loudspeaker are now separated, individual cables can now be fed from your amplifier outputs to the input of each section. The upper terminals are the input to the HF driver and the lower pair the LF driver.

## Stands

*Studio Use:* The DB1S loudspeaker can be mounted on the meter bridge of mixing consoles with the appropriate shelf or on PMC's dedicated stands behind the console - for further details consult your dealer.

*Home Use:* At home we would recommend a stand of between 20 and 24 inches. A number of excellent stands are available at these heights so please consult your dealer on which will best suit your requirements and budget.

## Loudspeaker Placement

All loudspeakers are influenced by the acoustic of the room in which they are placed. The positive and negative effects of your room can be manipulated to some extent by careful positioning.

Proximity to room boundaries (floors and walls) raises the low frequency energy at the expense of unevenness in the response. In the extreme, placing a loudspeaker low, near the floor and in a corner will produce an extremely bass heavy and boomy response, often making the bass slow and ill defined. Experimentation with placement cannot be overstated.

## Running In

All new loudspeakers require a period of running in. This allows for the settling of materials used in the drive units. The DB1 is no exception to this rule, best results will be achieved from newly supplied monitors after a period of between 10 and 20 hours running in.

## Care of your Monitors

There are no user serviceable parts within the DB1 monitors. The cabinets should be cleaned with a damp cloth. Take care when using wax or spray polishes.

## Service

In the unlikely event of a technical problem arising please contact the dealer from whom the monitors were purchased and describe the symptoms of the fault to them. They may be able to suggest a solution to your problem immediately.

If you wish to return your monitors to us please use the original packing. No responsibility will be held for damage to the monitors if they are packed incorrectly. If you no longer have your packing a replacement set may be obtained either directly from ourselves or via your dealer.

Please enclose a note detailing the symptoms of the problem and your name address and telephone number when making any returns to us. Remember if you have a problem always consult your dealer first.

## WARRANTY

THE PROFESSIONAL MONITOR COMPANY'S DB1 & DB1S MONITOR LOUDSPEAKERS ARE GUARANTEED AGAINST ANY DEFECT IN MATERIAL OR WORKMANSHIP FOR A PERIOD OF FIVE YEARS FROM DATE OF PURCHASE. WITHIN THIS PERIOD, THE SUPPLY OF REPLACEMENT PARTS WILL BE FREE OF CHARGE PROVIDED THAT THE FAILURE WAS NOT DUE TO MISUSE, ACCIDENT OR NEGLIGENCE. THIS WARRANTY IS APPLICABLE IN THE UNITED KINGDOM ONLY. ENQUIRIES IN COUNTRIES OTHER THAN THE UK SHOULD BE ADDRESSED TO THE LOCAL PMC AGENT OR DISTRIBUTOR

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