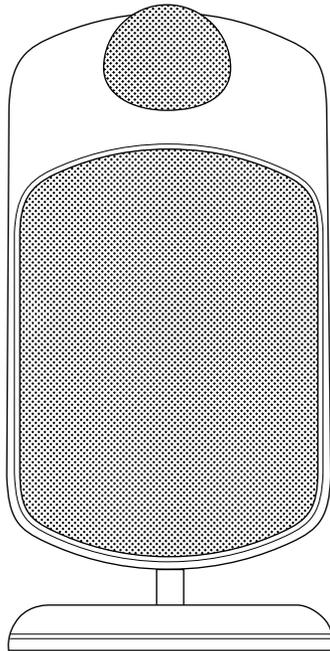


# LM™ 1

*Owner's manual*



L I S T E N   A N D   Y O U ' L L   S E E

Figure 1

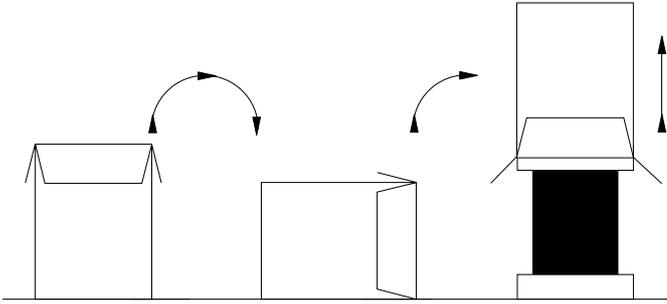


Figure 2

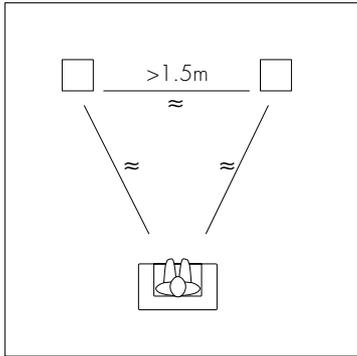


Figure 3

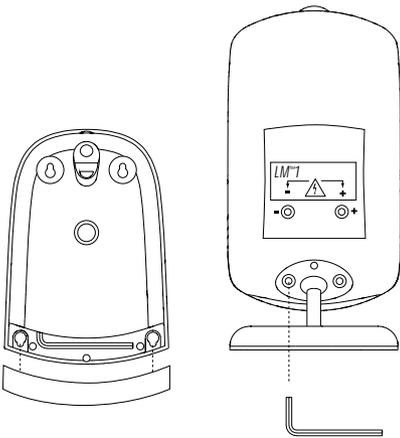


Figure 4

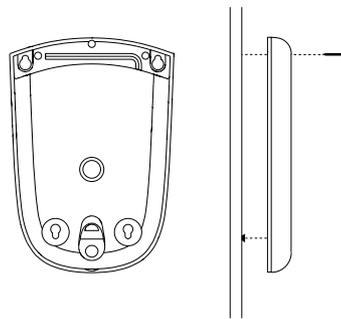
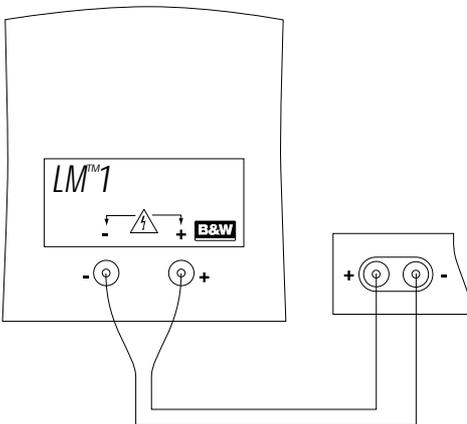


Figure 5



## LM™1 Owner's manual

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## INTRODUCTION

Thank you for choosing B&W.

The LM™1 provides the best possible high fidelity sound from a small enclosure, but is also classically elegant and innovative in style. The LM™1 is one of the most versatile compact speakers on the market today. Its neat shape, flexible mounting bracket and small foot ensure that it comfortably fits the modern lifestyle.

Please read this manual fully before unpacking and installing the product. It will help you to optimise its performance.

B&W maintains a network of dedicated distributors in over 60 countries who will be able to help you should you have any problems your dealer cannot resolve.

## UNPACKING

(figure 1)

- Fold the carton flaps right back and invert the carton and contents.
- Lift the carton clear of the contents.

We suggest you retain the packing for future use.

## POSITIONING

(figure 2)

Position the speakers at the centre of the listening area approximately at the corners of an equilateral triangle.

Keep the speakers at least 1.5m apart to maintain left-right separation.

For best results we recommend you stand the LM™1 on a shelf or attach it to a wall.

### Stray magnetic fields

The speaker drive units are magnetically shielded such that the stray magnetic field outside the boundaries of the cabinet, except the front, is too low to cause distortion of the television picture in the vast majority of cases.

There are, however, some extremely sensitive televisions – some that even have to be adjusted according to their alignment with the earth's magnetic field. If you have a problem, first de-gauss the television set with the speaker in place. Some have a button specially for this purpose. If not, switch off the set at the mains for 15 minutes and switch on again. Merely putting the set into standby mode is not sufficient.

If you still have a problem, try moving the speaker either forwards or backwards a little to get a more favourable juxtaposition, or space the speaker further from the television until the distortion disappears.

Because of the higher stray magnetic field in front of the speaker, we recommend you keep magnetically sensitive articles (computer discs, audio and video tapes, swipe cards and the like) at least 0.2m from the speaker.

## MOUNTING

(figures 3 & 4)

The LM™1 can be mounted either horizontally or vertically, but consideration should be given to angling the speaker either left and right or up and down by moving the speaker relative to its mounting base. If the speaker is mounted on a vertical surface, we recommend that the base be turned through 180° and positioned behind the speaker. To do this simply click off the small rubber-edging strip at the front of the speaker's base, revealing the Allen key retained beneath. Use the Allen key to slacken the two bolts that hold the ball in the socket joint. Reposition the speaker relative to its base and re-tighten the two bolts. Return the Allen key to its hidden position for future use.

Using the template at the rear of this manual, mark the four screw positions on the mounting surface carefully (the two at the rear of the base are hidden by rubber plugs. The two at the front of the base are hidden beneath the rubber-edging strip). Screw in the two screws used for the top two keyhole slots, leaving approximately 5mm (0.2 in) of the screw protruding from the wall. Hang the speaker on the screws and then tighten the screws. Finally screw in the two remaining screws at the bottom of the mounting base and refit the rubber covers.

**WARNING: YOU SHOULD USE SUFFICIENT QUALITY, SIZE AND NUMBER OF CORROSION-PROOF FIXINGS TO AN AREA OF WALL OF SUFFICIENT STRENGTH TO ENSURE THAT THE SPEAKER IS SAFELY SUPPORTED.**

## CONNECTIONS

(figure 5)

All connections should be made with the equipment switched off.

If the speaker cable has been channelled or routed through the mounting surface the centre rubber plug in the base should be removed and the cable then routed through the exposed aperture.

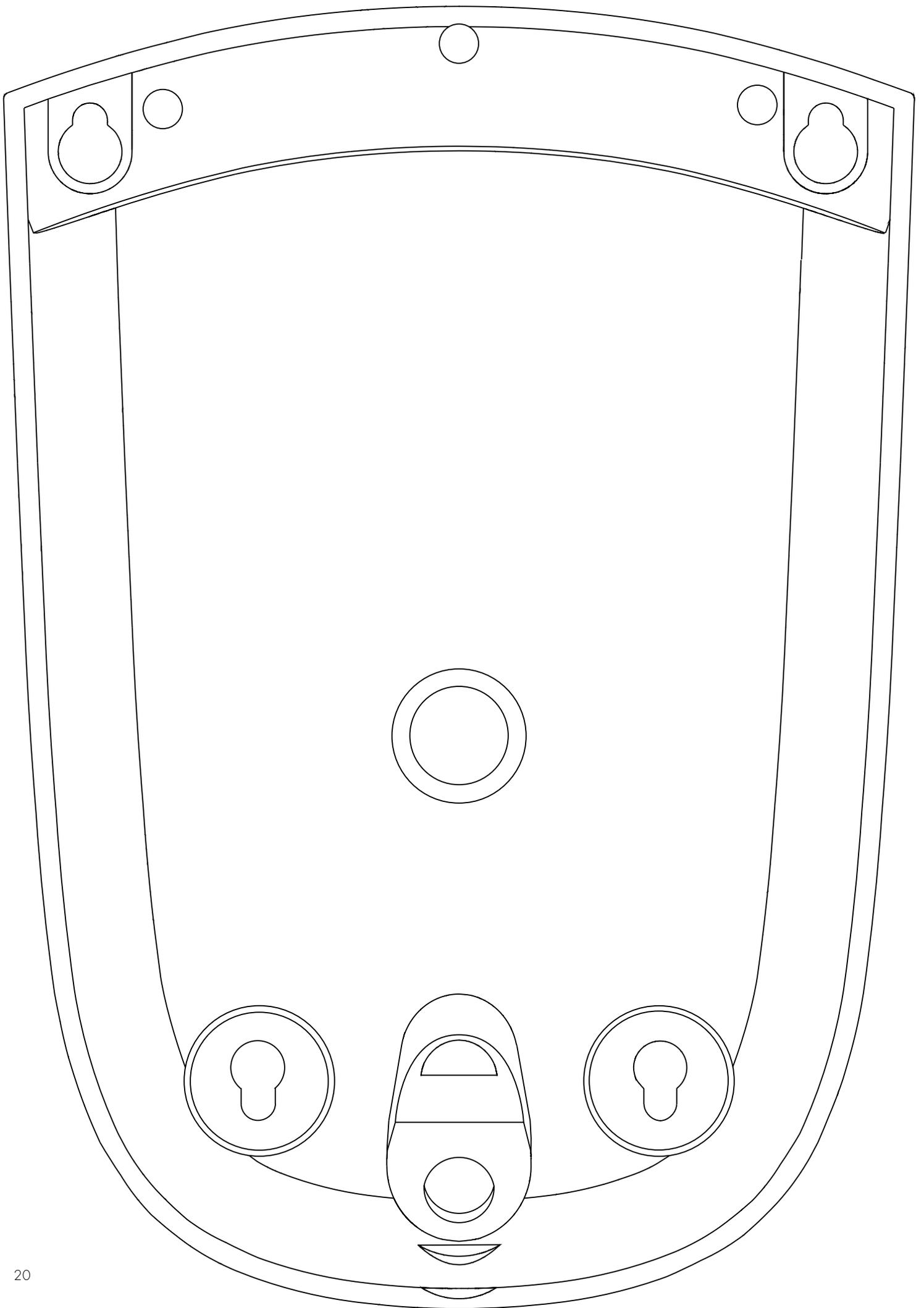
Ensure the positive terminal on the speaker (marked + and coloured red) is connected to the positive output terminal of the amplifier and negative (marked – and coloured black) to negative. Incorrect connection can result in poor imaging and loss of bass.

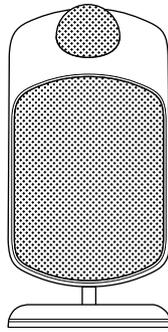
Always make sure all the terminal caps are screwed down tight, as otherwise they may rattle.

Ask your dealer for advice when choosing cable. Keep the total impedance below the maximum recommended in the specification and use a low inductance cable to avoid attenuation of the highest frequencies.

## AFTERCARE

Avoid touching the drive unit diaphragms, especially the tweeter, as damage may result.





### **LM<sup>TM</sup> 1**

<b>Description</b>	2-way 4th-order vented-box system
<b>Drive units</b>	1x 125mm (5in) in bass/mid 1x 25mm (1in) in high-frequency
<b>Frequency range</b>	-6dB at 65Hz and 22kHz
<b>Frequency response</b>	75Hz – 20kHz $\pm$ 3dB on reference axis
<b>Dispersion</b>	Within 2dB of response on reference axis Horizontal: over 40° arc Vertical: over 10° arc
<b>Sensitivity</b>	91dB spl (2.83V, 1m)
<b>Harmonic distortion</b>	2nd & 3rd harmonics <1% 100Hz – 15kHz (90dB spl, 1m)
<b>Nominal impedance</b>	8 $\Omega$
<b>Crossover frequency</b>	3.5kHz
<b>Recommended amplifier power</b>	25W – 100W continuous into 8 $\Omega$ on unclipped programme.
<b>Max. Recommended Cable impedance</b>	0.2 $\Omega$
<b>Dimensions</b>	Height: 280mm (11in) Width: 140mm (5.5in) Depth: 191mm (7.5in)
<b>Net weight</b>	2.4kg (5.3 lb)
<b>Finishes</b>	White and various colour finishes
<b>Alan Wrench</b>	4mm



**L I S T E N   A N D   Y O U ' L L   S E E**