



Figure 1

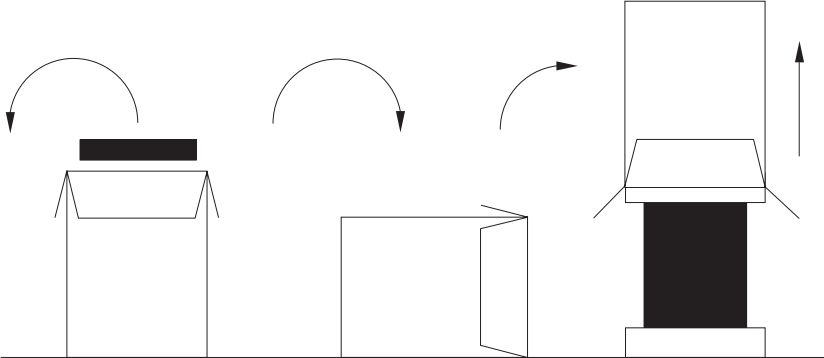


Figure 2

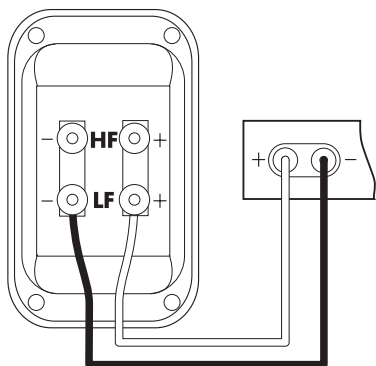
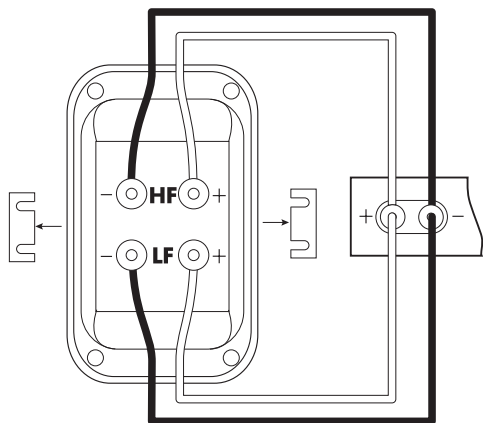


Figure 3



English

Limited Warranty

Dear customer,

Welcome to B&W.

This product has been designed and manufactured to the highest quality standards. However, if something does go wrong with this product, B&W Group Ltd and its national distributors warrant free of charge labour (exclusion may apply) and replacement parts in any country served by an official B&W distributor.

This limited warranty is valid for a period of five years from the date of purchase or two years for electronics including amplified loudspeakers.

Terms and Conditions

- 1 The warranty is limited to the repair of the equipment. Neither transportation, nor any other costs, nor any risk for removal, transportation and installation of products is covered by this warranty.
- 2 This warranty is only valid for the original owner. It is not transferable.
- 3 This warranty will not be applicable in cases other than defects in materials and/or workmanship at the time of purchase and will not be applicable:
 - a. for damages caused by incorrect installation, connection or packing,
 - b. for damages caused by any use other than correct use described in the user manual, negligence, modifications, or use of parts that are not made or authorised by B&W,
 - c. for damages caused by faulty or unsuitable ancillary equipment,
 - d. for damages caused by accidents, lightning, water, fire heat, war, public disturbances or any other cause beyond the reasonable control of B&W and its appointed distributors,
 - e. for products whose serial number has been altered, deleted, removed or made illegible,
 - f. if repairs or modifications have been executed by an unauthorised person.
- 4 This guarantee complements any national/regional law obligations of dealers or national distributors and does not affect your statutory rights as a customer.

How to claim repairs under warranty

Should service be required, please follow the following procedure:

- 1 If the equipment is being used in the country of purchase, you should contact the B&W authorised dealer from whom the equipment was purchased.
- 2 If the equipment is being used outside the country of purchase, you should contact the B&W national distributor in the country of residence who will advise where the equipment can be

serviced. You can call B&W in the UK or visit our web site to get the contact details of your local distributor.

To validate your warranty, you will need to produce this warranty booklet completed and stamped by your dealer on the date of purchase. Alternatively, you will need the original sales invoice or other proof of ownership and date of purchase.

Owner's manual

Introduction

Thank you for choosing B&W.

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.

Environmental Information



B&W products are designed to comply with international directives on the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment and the disposal of Waste Electrical and Electronic Equipment (WEEE). The crossed wheeled bin symbol indicates compliance and that the products must be appropriately recycled or processed in accordance with these directives. Consult your local area waste disposal organisation for guidance on how to dispose of this equipment in a proper manner.

Unpacking (Figure 1)

- Fold the top carton flaps right back and invert the carton and contents.
- Lift the carton clear of the contents.
- Remove the inner packing from the product.
- We suggest you retain the packing for future use.

Check in the carton for:

- 4 self-adhesive rubber pads

Positioning

If using a projection television with an acoustically transparent screen, place the speaker behind the centre of the screen. Otherwise position it directly above or below the screen, whichever is closest to ear level. Align the front of the speaker approximately level with the screen.

Fix the 4 self-adhesive pads to the base of the speaker. They give a degree of vibration isolation. The flat area on top of the television may be smaller than the base of the speaker, so position the feet accordingly.

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 degauss the television set with the speaker in place. Some have a button especially 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 speakers, 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. LCD and plasma screens are not affected by magnetic fields.

Connections (Figures 2 & 3)

All connections should be made with the equipment switched off.

There are 2 pairs of terminals at the back of the speaker which permit bi-wiring if desired. On delivery, the separate pairs are connected together with high-quality links for use with a single 2-core cable. For single cable connection, leave the links in place and use either pair of terminals on the speaker.

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.

To bi-wire, remove the links by loosening the terminal caps and use a separate 2-core cable from the amplifier to each pair of terminals. This can improve the resolution of low-level detail. Observe the correct polarity as before. When bi-wiring, incorrect connection can also impair the frequency response.

The terminals accept 6mm (1/4-in) spades, bared wire ends or round pins up to 6mm diameter and 4mm banana plugs. When using spades, fit them under the sliding collar.

Important safety notice:

In certain countries, notably those in Europe, the use of 4mm banana plugs is considered a potential safety hazard, because they may be inserted into the holes of unshuttered mains supply sockets. In order to comply with European CENELEC safety regulations, the 4mm holes in the ends of the terminals are blocked by plastic pins. Do not remove the pins if you are using the product where these conditions apply.

Always screw the terminal caps down tightly to optimise the connection and prevent rattles.

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

and evenly to sunlight until the colour is uniform. This process can take several days or even weeks, but may be accelerated by careful use of an ultra-violet lamp.

Fine tuning

For greatest realism in home theatre installations it is important to balance the speakers and adjust the acoustic image to match the size of the screen. With smaller screens it may be more realistic to have the left and right speakers closer together than you might for audio alone.

Adjust the levels of the three front speakers to get a smooth transition of sounds as they pan across the screen. Adjust the level of the surround speakers so that, except for special effects, your attention is not unduly attracted to them.

Sit in all likely listening positions when deciding on the optimum levels.

Consult your decoder manual for further information on how to set the levels.

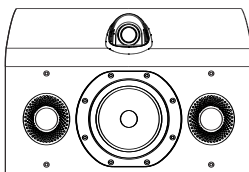
Running-in period

The performance of the speaker will change subtly during the initial listening period. If the speaker has been stored in a cold environment, the damping compounds and suspension materials of the drive units will take some time to recover their correct mechanical properties. The drive unit suspensions will also loosen up during the first hours of use. The time taken for the speaker to achieve its intended performance will vary depending on previous storage conditions and how it is used. As a guide, allow up to a week for the temperature effects to stabilise and 15 hours of average use for the mechanical parts to attain their intended design characteristics.

Aftercare

The cabinet surfaces usually only require dusting. If you wish to use an aerosol or other cleaner, remove the grille first by gently pulling it away from the cabinet. Spray aerosols onto the cleaning cloth, not directly onto the product. Test a small area first, as some cleaning products may damage some of the surfaces. Avoid products that are abrasive, or contain acid, alkali or anti-bacterial agents. Do not use cleaning agents on the drive units. The grille fabric may be cleaned with a normal clothes brush whilst the grille is detached from the cabinet. Avoid touching the drive units, especially the tweeter, as damage may result.

Please be aware that, like all natural materials, the wooden cabinet of the speaker will respond to its environment. Keep the product away from sources of direct heat such as radiators and warm air vents to avoid the risk of cracking. The wood is treated with an ultra-violet resistant lacquer to minimise changes in colour over time, but a degree of change is to be expected. This effect may be particularly noticeable where areas kept in shadow change more slowly than other areas. Colour differences may be rectified by exposing all the veneer surfaces equally



HTM7

Technical Features	Free-mounted Nautilus™ tweeter Kevlar® brand fibre cone bass/midrange Flowport™ Magnetic Shielding
Description	2-way magnetically shielded vented-box system
Drive Units	1x ø25mm (1 in) alloy dome high-frequency 1x ø165mm (6.5 in) woven Kevlar® cone bass/midrange
Frequency Range	-6dB at 46Hz and 50kHz
Frequency Response	50Hz – 25kHz ±3dB on reference axis
Dispersion	Within 2dB of reference response Horizontal: over 40° arc Vertical: over 10° arc
Sensitivity	91dB spl (2.83V, 1m)
Harmonic Distortion	2nd and 3rd harmonics (90dB, 1m) <1% 120Hz – 20kHz <0.5% 150Hz – 20kHz
Nominal Impedance	8 (minimum 4.6)
Crossover Frequency	4kHz
Recommended Amplifier Power	50W – 120W into 8 on unclipped programme
Max. Recommended Cable Impedance	0.1
Dimensions	Height: 306mm (12.1in) Width: 450mm (17.7in) Depth: 289mm (11.4in)
Net Weight	12.5 kg (28 lb)

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