

## Looking After Your Loudspeaker

- o Your Castle Loudspeakers use a specially hardwearing sealed finish. They should not be waxed or treated with spray polishes which will smear and dim their lustrous finish. Occasionally polish them with a dry or barely moist cloth to remove dust and finger marks, etc.
- o Occasionally, remove the loudspeaker grilles and brush them gently with a soft brush before replacing them carefully.
- o Never stand objects on your loudspeakers. In particular do not stand flowers etc. on them - they are not jardinières!
- o Avoid getting any liquid behind the grille. If you accidentally spill liquid on your loudspeakers, take them to your dealer for attention before using them again.
- o Do not open the speakers; there are no user serviceable parts inside. Never touch the drive units either with an object or your hands.

## Quality Assurance

Your Castle loudspeakers have been constructed to the highest standards. From the top grade furniture construction and finish to the carefully designed and selected acoustic components, the Castle range is a testament to fine design, fine engineering and fine craftsmanship. Our speakers are built to provide a lifetime of pleasure to the eye, the ears and through the music they play, the soul. We hope you will derive many years of good service from our products.

## Servicing

Servicing of Castle products should only be carried out by authorised service agents. If service is required the equipment should be returned, securely packaged, preferably using original packaging, to your dealer.

In the UK equipment may be returned to the IAG Service Centre. Always telephone before returning any equipment. A note should be enclosed giving your name, address, telephone number, and a brief description of the reason for return.

If you require service outside the Warranty period, do not hesitate to contact your dealer.

## SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| Enclosure type              | Bass reflex, with rear firing port      |
| Format                      | Bookshelf                               |
| Driver complement           | 150mm bass unit, 32mm Soft Dome tweeter |
| Frequency response          | 58Hz ~ 22kHz                            |
| Crossover frequency         | 2.6kHz                                  |
| Sensitivity                 | 87dB                                    |
| Recommended amplifier power | 25-100W                                 |
| Gross /Net weight           | 6.3kg/pcs , 14.5kg/ctn                  |
| Dimensions (H x W x D)      | 305mm x 190mm x 262mm                   |
| Packing                     | pair, including rubber feet             |



## Service Addresses

For technical support, servicing, product queries or information please contact either your local retailer or the main offices below.

| UK                        | Asia                         |
|---------------------------|------------------------------|
| IAG Service Dept.         | IAG Sales and Service Centre |
| IAG House                 | Jiuwei, XixiangTown,         |
| 13/14 Glebe Road          | Shenzhen,                    |
| Huntingdon Cambridgeshire | China 518102                 |
| PE29 7DL                  | Tel: +86-755-27484491        |
| England                   | Fax: +86-755-29651484        |
| Tel:+44 (0)01480 452561   |                              |
| Fax: +44 (0)01480 413403  |                              |



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Castle Loudspeakers, Since 1973





# CASTLE

## Richmond IV

Thank you for investing in ownership of the Castle Richmond IV loudspeakers.

Please read this manual to find out how to get the best performance from your speakers.

Ever since Castle was founded, over thirty five years ago, the Richmond has been the first speaker in the Classic range which has defined the Castle sound and build quality.

Over the years much has changed in the way we live our lives and the music we listen to, but one factor has remained constant - the quality of the Richmond.

Today we are proud to present to you the latest incarnation of the Richmond - the Richmond IV. In Richmond IV we have taken into account the wider bandwidth of modern recordings, increasing the size of the drive units to deliver a wide range of supreme musical detail, while still keeping true to the 'monitor class' aspects of the Richmond.

Castle's famous carbon fibre woven cone is retained as it offers exceptional strength to mass ratio, operating as a pure piston over its pass band. Treble frequencies are now handled by a 32mm micro-fibre dome with a bandwidth that stretches far down into the midrange.

Placing the treble unit below the bass unit provides the necessary degree of time-alignment to allow a phase accurate crossover from 2nd order Linkwitz-Riley acoustic slopes.

In addition the treble units are offset to scatter front baffle reflections and the speakers are supplied in handed pairs to give a precisely focused soundstage.

And the result? Richmond IV loudspeakers offer exceptionally natural reproduction of musical instruments and voices, whatever your choice of music. Not only that, but the enhanced dynamic capabilities and transient performance of the Richmond IV brings a musical realism and excitement that will have you exploring your musical collection all over again.

We are certain that your Richmond IV speakers will be a feast, both for your eyes and your ears, for many years to come.



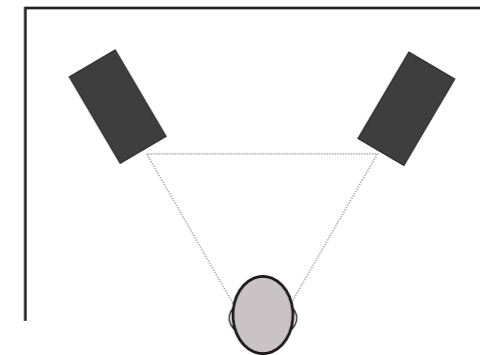
Peter Comeau  
Director of Acoustic Design

## Unpacking Your Loudspeakers

- Please read this manual as soon as you have opened the carton.
- Lift the loudspeaker carefully out of the packing. Do NOT try to lift the loudspeaker using the cloth bag.
- Unpack any accessories carefully.
- If there is any sign of damage or if the contents are incomplete, report this to your dealer as soon as possible.
- Retain the packing for future safe transport of the product. Dispose of the packing with respect to any recycling provisions in your area.

## Positioning Stereo Loudspeakers

Place the speakers on firm, rigid stands that raise the top of the cabinet to your seated ear level. Position the loudspeakers close to a rear wall - a distance of 5cm from the rear wall is a good starting point. The distance between the speakers should be the same as between you and the speakers.



If the loudspeakers are placed too close to the walls the bass will increase but may be boomy and indistinct. If the loudspeakers are placed further away from the walls, the inward angle ("toe in") may be increased by up to 30%. As personal taste plays a large role, experiment with different configurations and play a wide range of programme material before finalising the position of your speakers.

The optimum listening position is in the area broadly known as the "sweet spot". The more extreme the angle the narrower the sweet spot is. Castle loudspeakers are designed to cover a medium sonic perspective so there should be no need for extreme settings.

## Standard Loudspeaker Wiring

Choose a suitable length of twin core speaker cable for each channel, and prepare the ends. Unscrew each terminal a few turns. Connect the red, positive (+) terminal of the Left loudspeaker to the corresponding red, positive (+) amplifier terminal. Connect the black, negative (-) terminals similarly. Tighten the terminals securely. Repeat this procedure for the Right Channel. If you are standard wiring a bi-wiring panel make sure that the terminal links are securely in place.

