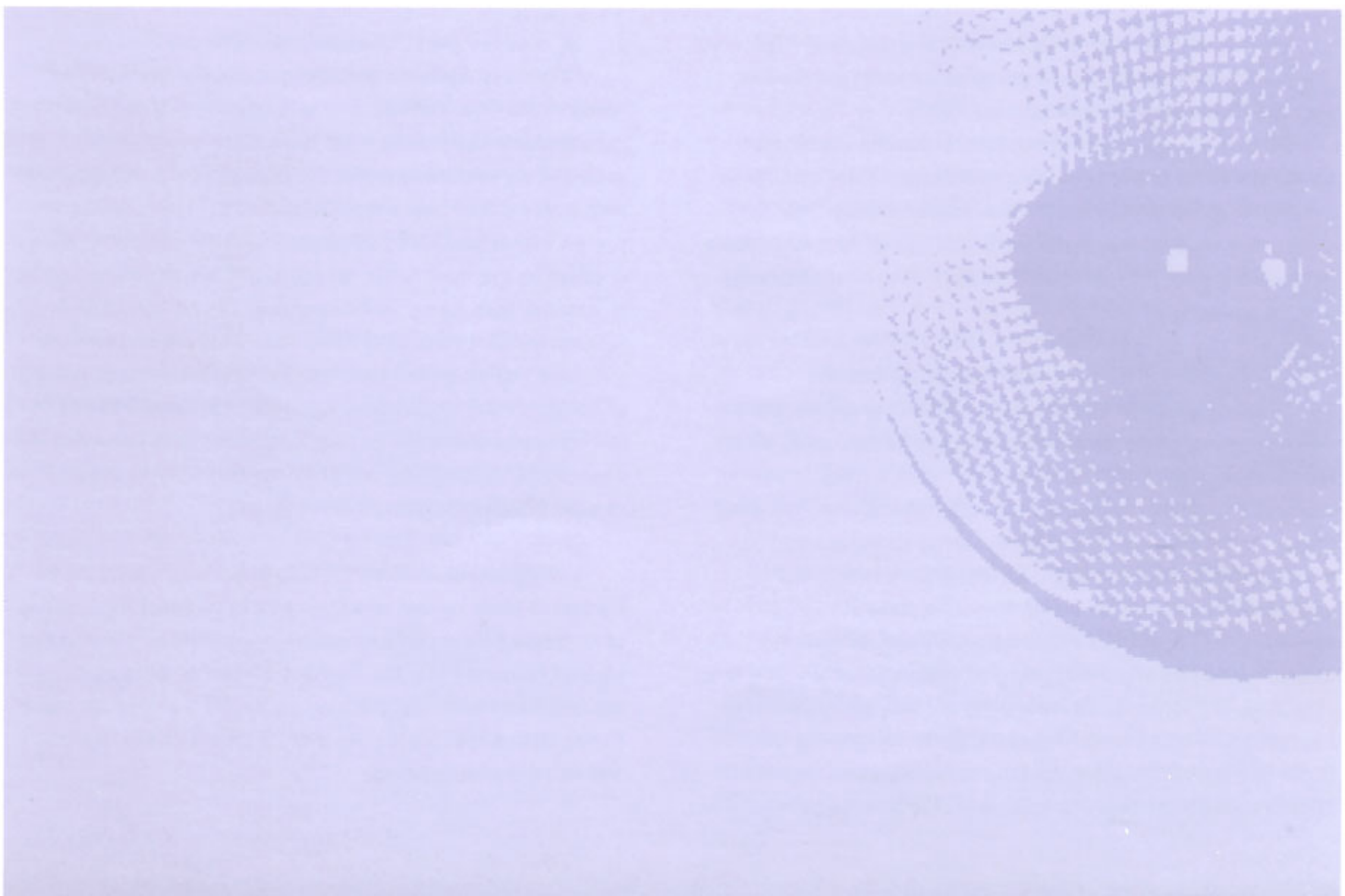
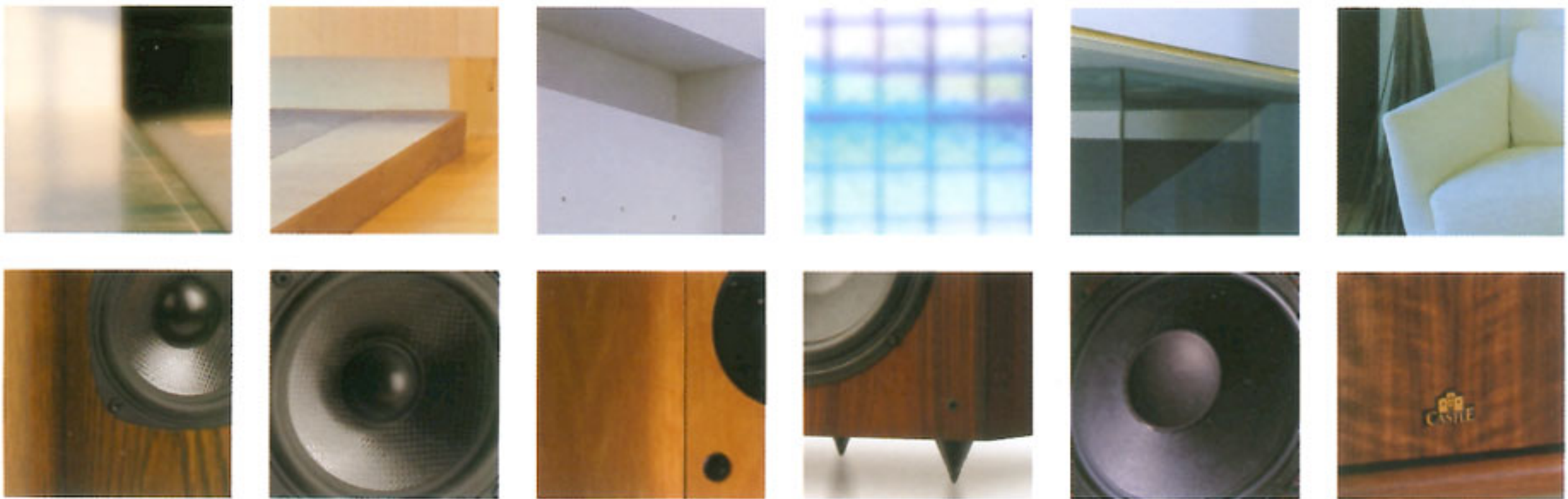


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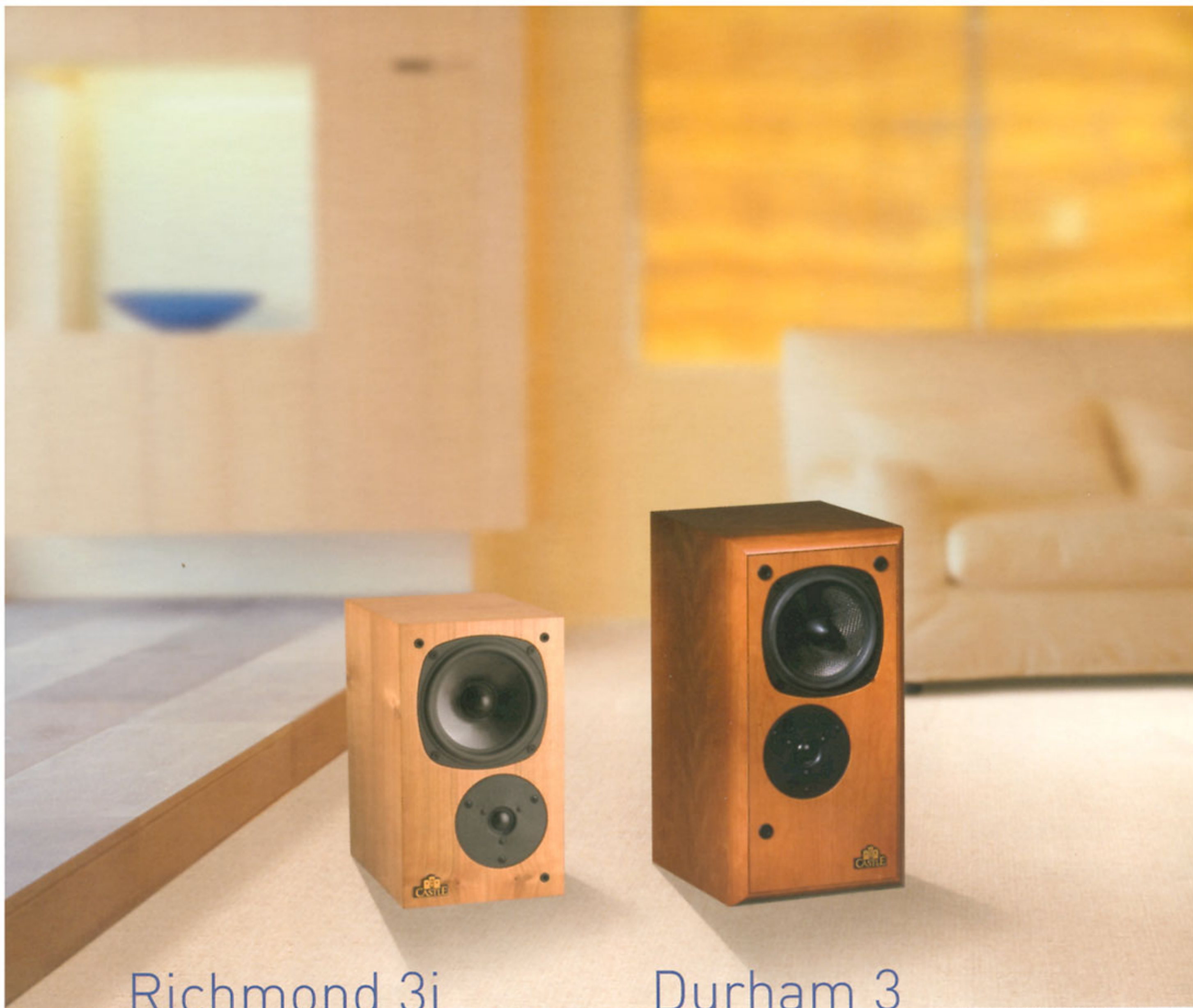
For more Hi-Fi manuals and set-up information  
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## Classic Loudspeaker Range







## Richmond 3i

shown in Cherrywood

## Durham 3

shown in Cherrywood

Once the physicist Ernst Mach had successfully measured and defined the speed of sound, he was free to relax, perhaps to spend more time with the family.

Thanks to our policy of continuous product development, Castle's team of sound engineers spend most of their working lives surrounded by relatives; faster, louder, heavier, cleaner, stronger, and so on, any and all of which can be key parameters in producing improved performance from our acclaimed range of loudspeakers.

The Richmond 3 could be said to have defined the performance standard for compact bookshelf speakers, but we didn't stop there, and the result is the new Richmond 3i, which incorporates several valuable improvements. Extensive use is made of bituminous damping pads within the cabinet, reducing unwanted resonances. The space taken up by these has necessitated a small increase, 30mm, in the depth of the enclosure. The already massive magnet system of the Richmond's 110mm bass driver has also been further strengthened and improved, giving a faster, tighter low frequency response. The Richmond's drive units are now accessed via an improved fully bi-wireable crossover. Each change, like the Richmond 3i itself, is small, but the collective effect, like the superb sound it produces is, relatively of course, large.

A new compact loudspeaker from Castle Acoustics always creates a stir of expectation in the world of home audio. That's because its arrival generally marks a raising of the performance standard achieved by small systems. We're confident that the Durham 3 will maintain this proud record. Our two-way, rear-ported design uses our proven 19mm, low modulus polyamide dome HF driver, which is offset on the front baffle to reduce diffraction effects and so to improve both clarity and dispersion. It is partnered by a 130mm die-cast bass unit, which uses a woven carbon fibre cone and Kapton voice coil former, wound with copper coated aluminium wire, for outstanding dynamics. Careful tuning of the reflex enclosure brings the Durham 3's bass extension down below 60Hz, giving performance that truly belies its compact (365x190x220mm) dimensions.

All magnet assemblies are fully shielded, making the Durham 3 ideal for use as a front pair in compact AV systems, or as a rear pair in more ambitious ones. Just to round things off, and to ensure that the Durham 3 looks as good as it sounds, we've radiused the front baffle, for a smoother, more distinguished appearance. As ever, there's a choice of eight real wood veneer finishes.





## Pembroke

shown in Antique Oak

Our smallest floor standing system, the Castle Pembroke combines high performance with great flexibility. That is because it uses our acclaimed downward firing reflex port technique. This gives the twin advantages of dispersing the 'chuffing' effect common to all forward firing reflex designs and allows greater freedom of room placement. The Pembroke can be positioned very close to a rear wall without impairing sound quality.

A 130mm carbon fibre coned bass unit with a shaped 30mm pole, oversized magnet and long throw voice coil gives the Pembroke performance which belies its compact size with bass extension down to 52Hz. High frequencies are handled by Castle's own low modulus polyamide dome tweeter for its smooth extension, clarity and accuracy. Overall smooth, dynamic response is assured by the Pembroke's audiophile grade crossover which also offers the option of bi-wiring.

## Stirling 3

shown in Maple

Thanks to programme of continuous research and development, Castle brings refinement to a new reflex ported design in Stirling 3, and replaces the world famous Severn model. For this design, we have chosen fully shielded drive units to ensure optimum performance in both stereo and AV or multi-channel modes. The drivers themselves, Castle's renowned 28mm soft dome tweeter, as used in their most expensive designs, and two 130mm die cast bass-mid units are deployed in a d'Apollito arrangement, with the bass units symmetrically placed above and below the tweeter. The improved image location conferred by this configuration makes the Stirling 3 the ideal companion speaker with which to fully exploit the latest developments in CD and DVD technology.



The new design also uses a downward firing reflex port, venting between the cabinet and the plinth, this space being variable to allow for optimum room matching and more flexible placement options. The crossover, which uses audiophile components selected for their sonic quality, carries a terminal housing adapted for bi-wiring this advanced specification system. And remember, Stirling 3's rigid, yet elegant 18mm MDF cabinet is available in a choice of eight real wood veneers.





## Conway 3

shown in Cherrywood

## Harlech S2

shown in Mahogany

Very, very occasionally, loudspeaker design engineers, marketers, press reviewers, pundits and dealers all agree that a particular loudspeaker has some special qualities; performance parameters that make it a pure pleasure to listen to. The Castle Conway 3 is one of those rare creations, a floor standing speaker you will be floored by. As ever, with Castle, there is science behind it, and craftsmanship in the execution. An important part of the science is the D'Appollito offset arrangement of bass/mid and HF units to provide extra, 3-dimensional focus, and improved imaging. So, the sound pictures will be spot on. Another is the adjustable bass reflex tuning, which allows optimal room matching, or flexible positioning within the room, to put it another way. It allows the freedom to get the very best response from your system, just the way you want to listen to it.

That the sonic performance will be in the top flight is guaranteed by the sheer quality of the drive units, cabinet design and crossover arrangements, that use the highest quality components to provide fully bi-wireable options, with minimal loss of impact from the rich, sweet, full-range sound these unique proprietary units can offer. Versatile in terms of placement, versatile in terms of the material they can deliver with convincing force, but rigid in terms of their construction, and totally uncompromising in terms of their engineering and presentation, the Conway 3's are, according to your experience, Classic Castles, or Castle Classics. Disappointment is not in the specification.

Tradition has just been updated. The Harlech, one of Castle's most respected and popular designs, has been upgraded with a high-tech facelift. The first of our Quarter Wave, twin-pipe, differentially tuned loudspeakers to benefit from this advance, the Harlech now sports new and revolutionary combination of cold pressed, woven carbon fibre 130mm bass units, formed around a new, diecast chassis, augmented by our proven and acclaimed 28mm, viscous damped, soft dome tweeter. The advantages conferred by the new drive unit combination are immediately apparent - greater clarity, a better defined sound stage, punchier bass, better transient attack; all of these have been added to Harlech's acknowledged strengths of smooth, extended high frequency reproduction, coupled with the solid, substantial bass you only get from Quarter Wave designs.

The whole Harlech package has also become more flexible, more in tune with today's lifestyles. This loudspeaker is now absolutely suited to a role at the centre of a state-of-the-art home cinema/AV facility. So, as a stand-alone stereo pair, or as part of a sophisticated home entertainment package, you can't buy a better made, better sounding loudspeaker. We're confident that our new Harlech lives up to its traditions, and then some.





# Howard S3

shown in Walnut

Not so much a refinement of the Howard S2, but a total reworking of an old and trusted favourite, the Castle Howard S3 features a slightly more compact cabinet than the earlier model, with a twin-pipe internal design similar to the Harlech. Its two 150mm woven carbon fibre coned bass units, one forward firing, the other vertical, are tuned to different frequencies to give tremendous depth of bass, down to 32Hz, and room filling imagery.

The bass units share features found within other models in the Classic Range namely, the shaped pole piece for improved dynamics, the copper coated aluminium voice coil wire for reduced moving mass and CasWire internal wiring for greater transparency. Additionally, the Howard S3 has a hard-wired crossover featuring top quality ICW capacitors and WBT terminals for the most secure connection possible to speaker cables.

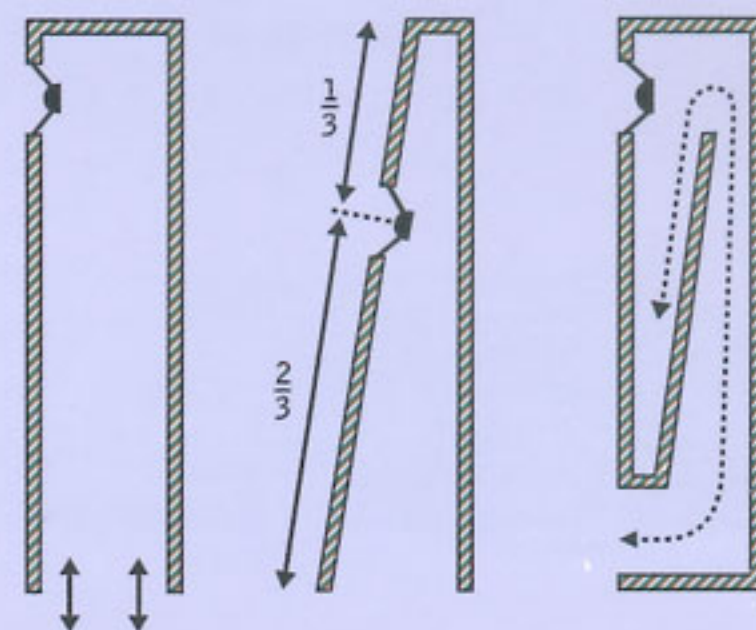
As with all Castle loudspeakers, the Howard S3 is available in a choice of eight real wood veneers, each one hand finished by craftsmen to the highest standard.

## Quarter Wave

Competing speaker systems set themselves apart by the techniques with which bass extension is achieved. For the largest models in its range of floor-standing speakers, Castle has adopted Quarter Wave loading. This technique can be traced back to the work of the legendary Paul Voigt in the 1930s and has more in common with vibrating columns of air in organ pipes and folded horns than with alternative methods of bass extension like reflex or transmission line loading.

Castle's execution of Quarter Wave techniques for Castle uses the latest measurement and optimisation techniques. The open, natural quality of a tuned pipe has been retained in a tapered version that, with the drive unit at an optimum position along the pipe, reduces unwanted excitation at the fundamental frequency of the pipe and associated harmonics by natural acoustic filtering. Tapering the pipe also allows it to be folded inside the cabinet that not only brings it down to domestic size but enables the internal structure to add considerably to the rigidity of the enclosure.

The superiority of the Quarter Wave technique, correctly executed, over orthodox reflex loading with a cabinet of the same or bigger size results in higher bass efficiency, maintained down to a lower frequency. Quarter Wave systems have the natural power and character of true, deep bass.







## Keep 2

shown in Maple

No Audio-Visual component is more critical than the centre channel speaker, which handles up to 80% of total sound information. Many of today's examples fail to deliver the full system potential, variously being too small or incapable of true full range performance, as demanded by DVD soundtracks and digital broadcasts. While compact in size, the full bandwidth Castle Keep 2 offers a quality of performance that will enhance any AV system. Our sophisticated carbon fibre technology brings an unsurpassed level of dynamic detail to centre channel performance. The two 130mm magnetically shielded bass units feature shaped pole magnet systems for reduced distortion, while the new 19mm tweeter, also fully shielded, offers extended frequency response up to 20kHz.



The Keep 2 offers the widest possible listening angle, and may be placed above or below the TV screen. Keep 2 will match any of our floor standing models as front speakers, from the compact Pembroke up to the awesome Howard S3, while the diminutive Richmond 3i is the ideal quality rear channel speaker.

## Bastion

shown in Cherrywood

Bastion is a centre channel speaker, designed to complement the performance of our acclaimed Quarter Wave loudspeakers, Harlech S2 and Howard S3, when these are used in AV or home cinema systems. Remembering that, at any given moment, up to 80% of the sound information generated within such a system can be passed through the centre channel, we had to be sure that the Bastion would stand its ground amid such potent neighbours. Accordingly, we equipped it with two 130mm diecast chassis bass units, each with woven carbon fibre cone material, Kapton voice coil former and copper coated aluminium wiring. To this, using a crossover furnished with only top grade, audiophile components, selected for their sonic quality, we added our own 28mm soft dome HF unit. This tweeter, the same as used in the Harlech and Howard, greatly helps to maintain the seamless continuity of high frequencies across the sound stage, while the optimally tuned reflex enclosure, constructed in 18mm MDF, ensures that this centre channel packs plenty of punch. As with all the latest Castle designs, the Bastion's front baffle has a smooth, radiused edge, and comes in a choice of eight real wood veneers. So, for the last word in AV performance, Bastion makes it game, set and match.





# Compact Cube

shown in Rosewood

Although it was purpose-designed, and is therefore ideal, for multi-channel and AV applications, the Castle Compact Cube is also a very good way to enhance the performance of a conventional stereo system. Even more so if that system uses Castle Classic Series loudspeakers. Essentially, the Compact Cube will add bass extension and improve detail in the lower registers. Stereo imaging will be enhanced, with a deeper and more three-dimensional sense of perspective and space. The consequent improvement in clarity can be dramatic.

Used in a multi-channel system the Compact Cube can be used to support the 5.1 channel of multi-channel music or movie

soundtracks for just low frequency effects or can be setup via the AV amplifier or AV processor to handle all of the low bass which would have previously been sent to the other speakers allowing them to play louder and deliver upper bass, midrange and treble in a cleaner and more tactile manner. Positioning of the Castle Compact Cube can be flexible as it includes controls to adjust level, roll-out frequency and phase. Whether you are a fan of string quartets, full orchestral performances or heavy rock the



Castle Compact Cube subwoofer will add an extra dimension and more enjoyment to your rest and relaxation.



# The Classic Sub

shown in Rosewood

An active sub woofer is essential to achieving the full visceral and emotional impact of today's movie and DVD soundtracks. It also reduces the burden placed upon the other loudspeakers in the system, enhancing their ability to perform within their designated roles.

In equipping the Classic Sub with the desired level of performance, we have involved the expertise of Britain's foremost company in high level sound reproduction for both home and studio. ATC has a deserved international reputation for quality and accuracy, not only in drive unit design and manufacture, but in amplification as well. The Castle Classic Sub utilises a massive 300mm ATC bass unit, driven by an purpose-designed 200 watt amplifier. With fully equalised extension down to 20Hz, this sub-woofer is totally adaptable for use with any AV system.





<p>Frequency Response Nominal Impedance Sensitivity Amplifier Requirements System Type Bass Unit Treble Unit Dimensions Height Width Depth Weight Each Weight Packed</p>	<p><b>Richmond 3i</b> 60Hz-20kHz 8 ohms 88.5dB for 1w at 1m 15-75 watts Reflex 130mm (5 in.) woven carbon fibre coned, cast chassis 19mm (.75 inch) low modulus polyamide 330mm (13.2 in.) 170mm (6.8 in.) 230mm (9.2 in.) 4.2kg (9.2 lbs) 10kg (22 lbs) pair</p>	<p><b>Durham 3</b> 58Hz-20kHz 8 ohms 88dB for 1w at 1m 15-75 watts Reflex 130mm (5 in.) woven carbon fibre coned, cast chassis 19mm (.75 inch) low modulus polyamide 365mm (14.6 in.) 190mm (7.6 in.) 220mm (8.8 in.) 6.4kg (14 lbs) 14.5kg (32 lbs) pair</p>	<p><b>Pembroke</b> 52Hz-20kHz 8 ohms 88dB for 1w at 1m 15-75 watts Downward firing reflex 130mm (5 in.) woven carbon fibre coned, cast chassis 19mm (.75 inch) low modulus polyamide 732mm (29.3 in.) 190mm (8.4 in.) 210mm (8.4 in.) 9.4kg (20.7 lbs) 22kg (48.4 lbs)</p>
<p>Frequency Response Nominal Impedance Sensitivity Amplifier Requirements System Type Bass Unit Treble Unit Dimensions Height Width Depth Weight Each Weight Packed</p>	<p><b>Stirling 3</b> 50Hz-20kHz 8 ohms 88dB for 1w at 1m 25-150 watts Downward firing reflex 2 x 130mm (2 x 5 in.) woven carbon fibre coned, cast chassis 28mm (1.25 inch) soft dome 870mm (35 in.) 200mm (8 in.) 240mm (9.6 in.) 14.9kg (33 lbs) 35kg (77 lbs)</p>	<p><b>Conway 3</b> 45Hz-20kHz 8 ohms 88dB for 1w at 1m 25-175 watts Downward firing reflex 2 x 150mm (2 x 6 in.) woven carbon fibre coned, cast chassis 28mm (1.25 inch) 910mm (36.5 in.) 220mm (9 in.) 270mm (11 in.) 20.7kg (45.5 lbs) 45kg (99 lbs)</p>	<p><b>Harlech S2</b> 40Hz-20kHz 8 ohms 88dB for 1w at 1m 25-150 watts Twin pipe quarter wave 2 x 130mm (2 x 5 in.) woven carbon fibre coned, cast chassis 28mm (1.25 in.) soft dome 940mm (37.6 in.) 200mm (8 in.) 320mm (12.8 in.) 22kg (48.4 lbs) 48kg (106 lbs)</p>
<p>Frequency Response Nominal Impedance Sensitivity Amplifier Requirements System Type Bass Unit Treble Unit Dimensions Height Width Depth Weight Each Weight Packed</p>	<p><b>Howard S3</b> 35Hz-20kHz 8 ohms 88.5dB for 1w at 1m 25-175 watts Twin pipe quarter wave 2 x 150mm (2 x 6 in.) woven carbon fibre coned, cast chassis 28mm (1.25 in.) soft dome 992mm (39.7 in.) 210mm (8.4 in.) 320mm (12.8 in.) 25.5kg (56 lbs) 59kg (130 lbs)</p>	<p><b>Keep 2</b> 70Hz-20kHz 8 ohms 88.5dB for 1w at 1m 15-110 watts 3rd order sealed enclosure 2 x 130mm (5 in.) woven carbon fibre coned, cast chassis 19mm (.75 inch) low modulus polyamide 162mm (6.5 in.) 465mm (18.6 in.) 190mm (7.6 in.) 8.1kg (18 lbs) 10kg (22lbs)</p>	<p><b>Bastion</b> 65Hz-20kHz 8 ohms 88dB for 1w at 1m 25-150 watts Reflex 2 x 130mm (2 x 5 in.) woven carbon fibre coned, cast chassis 28mm (1 inch) soft dome 195mm (7.8 in.) 486mm (19.5 in.) 240mm (9.6 in.) 10.3kg (22.7 lbs) 12kg (26 lbs) pair</p>
<p>Frequency Response Amplifier System Type Bass Unit Dimensions Height Width Depth Weight Each Weight Packed</p>	<p><b>Compact Sub</b> 33Hz - 200Hz adjustable Built in 150 watt amplifier with real time power sense limiter Reflex design with double trumpet port 250mm (10in.) unit with air dried paper cone 350mm (14in.) 350mm (14in.) 360mm (14.5in.) 17.5kg (38.5lbs) 19kg (42lbs)</p>	<p><b>Classic Sub</b> 20Hz-200Hz 200 watt amplifier Sealed enclosure 300mm (12 in.) paper coned unit with cast chassis 410mm (16.4 in.) 378mm (15.1 in.) 360mm (14.4 in.) 26kg (57 lbs) 29kg (64 lbs)</p>	<p><b>Finishes</b> <b>Cherrywood</b> <b>Maple</b> <b>Natural Oak</b> <b>Walnut</b> <b>Black Oak</b> <b>Antique Oak</b> <b>Mahogany</b> <b>Santos Rosewood*</b></p> <p>* Currently there is no sustainable source for Santos Rosewood</p>

In line with its policy of progressive development, Castle Acoustics Ltd., reserves the right to modify, alter or enhance any product or specification without prior notice.



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