

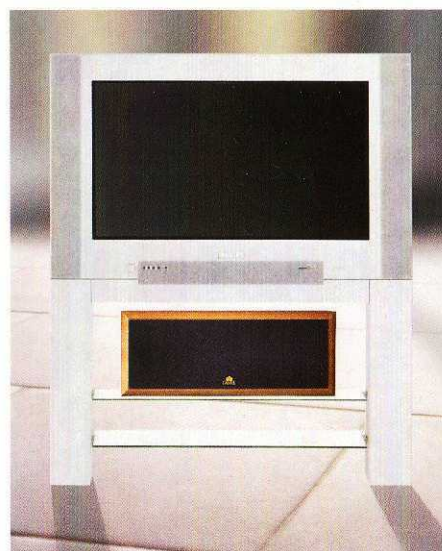
## BASTION

**B**astion is our all-new 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



The Bastion: Cherrywood veneer

comes in a choice of nine real wood veneers. So, for the last word in AV performance, Bastion makes it game, set and match.



Frequency Response	65Hz-20kHz
Nominal Impedance	8 ohms
Sensitivity	88dB for 1w at 1m
Amplifier Requirements	25-150 watts
System Type	Reflex
Bass Unit	2 x 130mm (2 x 5 in.) woven carbon fibre coned, cast chassis
Treble Unit	28mm (1 inch) soft dome
Dimensions	Height 195mm (7.8 in.) Width 486mm (19.5 in.) Depth 240mm (9.6 in.)
Weight Each	10.3kg (22.7 lbs)
Weight Packed	12kg (26 lbs) pair

### VENEER FINISHES



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# PEMBROKE

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 used in many of our Classic Range models 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.



Frequency Response	52Hz-20kHz
Nominal Impedance	8 ohms
Sensitivity	88dB for 1w at 1m
Amplifier Requirements	15-75 watts
System Type	Downward firing reflex
Bass Unit	130mm (5 in.) woven carbon fibre coned, cast chassis
Treble Unit	19mm (.75 inch) low modulus polyamide
Dimensions	Height 732mm (29.3 in.) Width 190mm (8.4 in.) Depth 210mm (8.4 in.)
Weight Each	9.4kg (20.7 lbs)
Weight Packed Pair	22kg (48.4 lbs)

# SEVERN • 2SE

Presented here in its third generation, the Castle Severn is an established favourite, both with customers and critics, having won the most prestigious U.K. award in 1997 as "What Hi-Fi Loudspeaker of the Year".

Now fully revised for the new Millennium, the Severn 2SE shares only the same cabinet dimensions as its predecessor. Both drive units and crossover have been updated, as has the internal wiring. The new 150mm carbon fibre bass unit has a modified cone profile, delivering a smoother response. Its magnet system features a shaped pole piece for improved dynamics and reduced distortion, while its voice coil, wound on Kapton, uses copper coated aluminium wire for reduced mass and tighter dynamic control.

Castle's new 19mm soft dome tweeter is matched to the new bass unit via a high quality crossover equipped with capacitors from one of the U.K.'s leading audiophile component manufacturers. These have been selected only after extensive listening tests demonstrated that they offer significant improvements in resolution and detail. Our own CasWire internal connections ensure minimal degradation of the original signal and maximum enjoyment of the music.



Frequency Response	45Hz-20kHz
Nominal Impedance	8 ohms
Sensitivity	89dB for 1w at 1m
Amplifier Requirements	15-110 watts
System Type	Downward firing reflex
Bass Unit	150mm (6 in.) woven carbon fibre coned, cast chassis
Treble Unit	19mm (.75 inch) low modulus polyamide
Dimensions	Height 810mm (32.4 in.) Width 210mm (8.4 in.) Depth 230mm (9.2 in.)
Weight Each	12.7kg (27.9 lbs)
Weight Packed Pair	32kg (72.6 lbs)



# HARLECH · S2

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.



Frequency Response	40Hz-20kHz
Nominal Impedance	8 ohms
Sensitivity	88dB for 1w at 1m
Amplifier Requirements	25-150 watts
System Type	Twin pipe quarter wave
Bass Unit	2 x 130mm (2 x 5 in.) woven carbon fibre coned, cast chassis
Treble Unit	28mm (1.25 in.) soft dome
Dimensions	Height 940mm (37.6 in.) Width 200mm (8 in.) Depth 320mm (12.8 in.)
Weight Each	22kg (48.4 lbs)
Weight Packed Pair	48kg (106 lbs)

## Q U A R T E

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.

Designer Roger Loughton'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





# HOWARD • S3

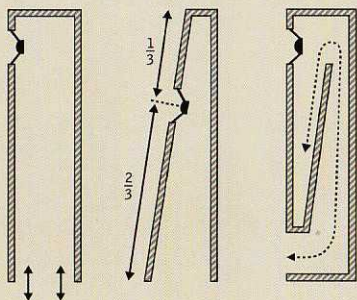
Not so much a refinement of the Howard S2, but a total reworking of an old and trusted favourite, the Castle Howard S3 features a slightly more compact cabinet than the earlier model, with a twin-pipe internal design similar to the Harlech. Its two 150mm woven carbon fibre coned bass units, one forward 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.

## QUARTER WAVE

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.



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

Frequency Response	35Hz-20kHz
Nominal Impedance	8 ohms
Sensitivity	88.5dB for 1w at 1m
Amplifier Requirements	25-175 watts
System Type	Twin pipe quarter wave
Bass Unit	2 x 150mm (2 x 6 in.) woven carbon fibre coned, cast chassis
Treble Unit	28mm (1.25 in.) soft dome
Dimensions	Height 992mm (39.7 in.) Width 210mm (8.4 in.) Depth 320mm (12.8 in.)
Weight Each	25.5kg (56 lbs)
Weight Packed Pair	59kg (130 lbs)



Howard S3:  
Walnut  
veneer



# compact 5.1

Compact Satellite x 4  
Compact Centre L.C.R. x 1  
Compact Cube x 1





# compact system

Millions of people around the world agree. Recreating the drama, impact and excitement of the cinema, theatre, concert hall, opera house, or live arena within the home is a great idea. It's where hi-fi came from. Millions also want to hear more of the sound, but to see less of the speakers. Fine, so we have smaller speakers, but we use more of them. Here comes the snag. Beyond a certain point, the smaller a speaker gets, the less accurate it becomes. Too often today, the result is that there are lots of speakers and lots of sound in the room, but accuracy, and with it realism, goes out of the window. Cue Castle Compact. Here is a system which offers small yet powerful loudspeakers, in an easy to install flexible configuration, which is visually appealing and highly adaptable, but has been designed without sonic compromise.



Compact Satellite



Compact Centre L.C.R.



Compact Di-pole



Compact Cube

Frequency Response	80Hz – 40 kHz	80Hz – 40 kHz	80Hz – 40 kHz	33Hz – 200Hz adjustable
Nominal Impedance	8 ohms	6 ohms	8ohms	N/A
Amplifier Requirements	15-70 watts	15-100 watts	15-100 watts	Built in 150 watt amplifier with real time power sense limiter
Cabinet Type	Sealed enclosure with bituminous internal damping for low colouration	Sealed enclosure with bituminous internal damping for low colouration	Sealed enclosure with bituminous internal damping for low colouration	High rigidity cabinet with internal bracing for low colouration
System Type	Two-way, sealed enclosure	Two-way, sealed enclosure	Two-way, double cabinet, sealed enclosure	Reflex design with double trumpet port
Bass Unit	110mm (4.5in.) Klippel optimised with glass fibre cone	2 x 110mm (4.5in.) Klippel optimised with glass fibre cone	2 x 110mm (4.5in.) Klippel optimised with glass fibre cone	250mm (10in.) unit with air dried paper cone
Treble Unit	20mm (3/4in.) soft dome with neodymium magnet	20mm (3/4in.) soft dome with neodymium magnet	2 x 20mm (3/4in.) soft dome with neodymium magnet	N/A
Room Positioning	On or near wall	Above or below TV, on or near wall	On wall	Flexible, to suit room layout
Dimensions Height Width Depth	200mm (8in.) 140mm (5.5in.) 160mm (6.5in.)	140mm (5.5in.) 320mm (13in.) 160mm (6.5in.)	200mm (8in.) 335mm (13.5in.) 160mm (6.5in.)	350mm (14in.) 350mm (14in.) 360mm (14.5in.)
Weight Each	2.3 kg (5lbs)	4.8kg (10.5lbs)	7.0 kg (15.5lbs)	17.5kg (38.5lbs)
Weight Packed	5kg (11lbs)	5.0kg (11lbs)	15.0 kg (33lbs)	19kg (42lbs)



## di-pole

All of the drive units used within the various satellite modules are identical - purpose built and meticulously engineered for the best possible performance. The tweeter, for example, has a frequency response which extends smoothly to 40kHz, ensuring that all of the detail, nuances and harmonics within the audible spectrum are faithfully, cleanly rendered. The 4.5 inch bass-mid driver has a multi-layer voice coil for superior power handling, a woven glass fibre cone for low colouration and a magnet system which gives it near-perfect damping, for a sound which is crisp, punchy and faithful to the timbre of even the most subtle sounds. The craftsman built cabinets are damped, tuned and reinforced to ensure top level accuracy across the audio spectrum which includes voices, musical instruments and special effects. So, whether you are listening to Radio, CD, Vinyl, SACD, DVD, DVD-A or whatever the future might bring the Castle Compact will deliver it in full, right on cue.



## THE CLASSIC SUB

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 a purpose-designed 200 watt amplifier, also from ATC. With fully equalised extension down to 20Hz, this sub-woofer is totally adaptable for use with any AV system.

## KEEP • 2

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, whilst the diminutive Richmond is the ideal quality rear channel speaker.

## RICHMOND

It's an old Castle name but a brand new design and the Richmond is destined to find favour among those looking for top performance from truly small dimensions. The three basic requirements of good bass extension, high sensitivity and compact size have been met without the usual degree of compromise, resulting in a speaker with poise and balance. This achievement is due to the advanced 130mm bass/mid unit, which allows a sensitivity rating of 89dB while allowing bass extension down to 60Hz- stunning performance in a cabinet so small.

The bass unit sports a woven carbon fibre cone, but is coupled to a motor system that uses a lightweight, 4 layer voice coil. This gives a reduced moving mass and therefore a level of performance similar to that produced by enclosures of twice the size. A new 19mm Castle tweeter is fed via a minimalist crossover using top grade components.

Used either as a compact hi-fi speaker, stand or bookshelf mounted, or as the rear speaker in an AV system, the new Castle Richmond will offer years of listening pleasure.



Frequency Response	20Hz-200Hz	70Hz-20kHz	60Hz-20kHz
Nominal Impedance	Not applicable	8 ohms	8 ohms
Sensitivity	Not applicable	88.5dB for 1w at 1m	88.5dB for 1w at 1m
Amplifier Requirements	Built in 200 watt amplifier	15-110 watts	15-75 watts
System Type	Sealed enclosure	3rd order sealed enclosure	Reflex
Bass Unit	300mm (12 in.) paper coned unit with cast chassis	2 x 130mm (5 in.) woven carbon fibre coned, cast chassis	130mm (5 in.) woven carbon fibre coned, cast chassis
Treble Unit	-	19mm (.75 inch) low modulus polyamide	19mm (.75 inch) low modulus polyamide
Dimensions	Height Width Depth	410mm (16.4 in.) 378mm (15.1 in.) 360mm (14.4 in.)	162mm (6.5 in.) 414mm (16.6 in.) 190mm (7.6 in.)
Weight Each	26kg (57 lbs)	8.1kg (18 lbs)	3.9kg (8.6 lbs)
Weight Packed	29kg (64 lbs)	10kg (22lbs)	9.0kg (19.8 lbs) pair