



### Castle Acoustics

From its founding in the early 1970s, Castle Acoustics has represented the interests of the audiophile who requires much more than just superlative performance from their hi-fi systems.

For this reason, every Castle product is born of a desire for luxury, not only in ability, but also presentation. Manufactured to furniture-grade standards without compromise the finest materials and woods are specified in every design.

The Knights range of loudspeakers offers not only Castle's famously smooth and rich performance, but for the first time, a new standard in build and value, in a package dedicated to high-quality stereo audio.



# KNIGHT series



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# KNIGHT series

Knight Series is Castle's latest loudspeaker range that focuses on the traditional values that are at the core of Castle engineering - real wood veneer cabinets, natural sounding drive units, innovative bass control, and excellent sound quality.

At the heart of every Castle loudspeaker are drive units built in-house at Castle's advanced development and engineering facility. The advantage of building drive units to a specific design means that Castle engineers retain full control of the characteristics of the drivers, something that is not available by using 'off-the-peg' drive units as many hi-fi manufacturers do. This enables our engineers to use advanced and innovative cabinet techniques for bass loading, for example the TPT Transmission-line, as drive units can be matched exactly to the parameters that this type of loading requires.

In addition the 'voicing' of the loudspeakers, an essential part of maximizing the musical enjoyment a hi-fi loudspeaker brings to your listening room, is made much easier by the selection of materials and characteristics that provide a natural sounding drive unit before the crossover is introduced. In this way the crossover can be kept to a minimal form so it does not interfere with the music signal on its way to the drive units, nor does it cause complex impedance problems for the amplifier to drive. As a result all Castle loudspeakers obtain the best results from any amplifier you wish to use, will suit all types of music and will readily integrate with your room without the boominess and lumpy, ill-defined bass character that you may have found with other speakers.

Knight Series floor standing speakers incorporate Castle's proprietary TPT (Twin-Pipe Technology) bass loading system, which is a new variation on transmission-line loading, delivering deep bass without the 'boomy sound' that can result from other reflex-port loading. The TPT loading is a meld of quarter wave loading and reflex loading achieving what is essentially a mass loaded quarter wave reflex pipe. The 'Twin-Pipe' refers to the internal layout where the drive unit is positioned part way down a folded, tapered column. This exits through the base of the cabinet and is mass loaded by the air trapped between this 'port' and the plinth.



Castle's history of craftsmanship is evident in its wood-veneered speaker cabinets, and the Knight series sports high quality veneers sourced from sustainable timbers wherein only deep-figured slices are used. Each loudspeaker pair is hand-finished with mirrored, book-matched veneers, sealed and waxed in a process that takes more than five days. Only when a depth of character and luster that befits the Castle name is reached are they released for final testing.

### "A worthy award-winner"

Castle Knight 2 – Winner, Best Loudspeaker up to £2,000, Hi-Fi Choice Awards 2010

### "Finely finished, tastefully styled floorstander with a crisp, concise and open sound"

Castle Knight 5 review – Hi-Fi World (October 2010)

### "A true resurgence for the Castle brand. The Knight 2 has a beguiling sound quality and enviable finish"

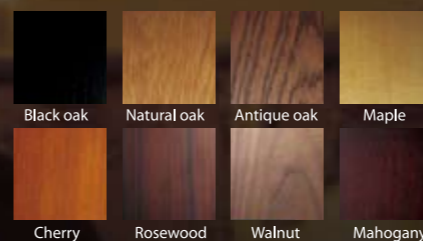
Castle Knight 2 review - Hi-Fi Choice (November 2010)



## Specifications

Model	Knight 1	Knight 2	Knight 3	Knight 4	Knight 5
<b>Format</b>	b/s reflex	b/s reflex	floor t-line	floor t-line	floor t-line
<b>Component</b>					
<b>Bass</b>	130mm x 1	150mm x 1	130mm x 1	130mm x 2	150mm x 2
<b>Tweeter</b>	25mm tex	25mm tex	25mm tex	25mm tex	25mm tex
<b>Amplifier Power</b>	15 - 100 w	15 - 125 w	15 - 100 w	25 - 150 w	25 - 200 w
<b>Nominal Impedance</b>	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
<b>Sensitivity (1W @ 1M)</b>	88 db	90 db	88 db	90 db	91 db
<b>Frequency Range at -6 dB</b>	46 Hz - 24 KHz	42 Hz - 24 KHz	38 Hz - 24 KHz	36 Hz - 24 KHz	30 Hz - 24 KHz
<b>Crossover Frequency</b>	3.0 KHz	3.0 KHz	3.0 KHz	3.0KHz	3.0KHz
<b>Dimensions(mm)</b>					
<b>HT</b>	290	380	760	840	925
<b>W</b>	165	200	165	165	200
<b>D</b>	265	335	265	270	335
<b>Ht on spike</b>	-	-	820	900	985
<b>Supplied with</b>	rubber feet	rubber feet	spikes and spike seats	spikes and spike seats	spikes and spike seats
<b>Packing</b>	pair	pair	pair	pair	single
<b>Net Weight</b>	4.5kg;	7.85kg;	10.7kg;	12.5kg;	20.0kg;

## FINISHES



Black oak Natural oak Antique oak Maple  
Cherry Rosewood Walnut Mahogany

