

*The new dimension in sound*

**PH**  **NIX**®  
Kl a n g s ä u l e n®

- Phoenix Sound Columns -

*Man has often had to change the way(s) he thinks...*

## *Phönix Klangsäulen*

### **A small acoustic excursion**

*For as long as we can remember people have enjoyed music and dance. But it was not until the invention of the gramophone and records that it became possible to store music and language and to be able to play them again whenever people wanted.*

*The quality of sound reproduction has progressed enormously over the last few years and today everyone wants Hi-Fi quality. When people enjoyed recordings first in Mono, later in Stereo, then Quadrophonics, Dolby Surround etc, the conventional loudspeaker systems - the direct reflectors, also known as speakers - always forced to sit directly in front of them, due to their box shape.*

*Terms such as stereo triangle came up, meaning the area providing optimum listening enjoyment. Up to this point it hadn't been possible to experience natural sound in an optimum way.*

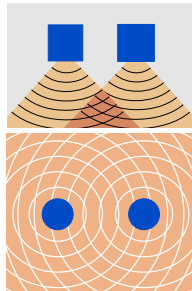
### **Natural sound**

*In nature a noise is produced at one point and it radiates outwards spherically. This means that when collecting mushrooms in a forest all people in a group, regardless of where they are standing, regardless of how far they are away from each other, can immediately indicate the spot where the noise has come from, regardless of its origin. That is spatial listening where orientation is possible and required.*

*Or think of the amazing acoustics in ancient amphitheatres where you could hear the faintest noise in the arena, even if you were sitting in the seats right at the top, or the brilliant sound quality of sacred medieval buildings.*

## Introduction

### The natural sound principle



*With conventional speakers the optimum sound is generated where the two dispersion cones overlap, outside this area the quality is reduced*

*With Phönix Klangsäulen (sound columns) the quality of the stereo sound that reaches the listener is the same at every point in the room*

*Sound radiation and indirect radiation both produce a new acoustic pattern via the sound column. As a result of the structural form, all of the sound waves are emitted from a single point and spherically. This means that it is quite unlike the unnaturally direct and cone-shaped radiation characteristics of conventional speakers and it is in harmony with natural sound radiation.*

*In order to produce three-dimensional sound reproduction, two sound converters are needed on the condition that they are able to radiate the sound spherically. This new system brings a completely new dimension to listening. You are no longer tied to a particular listening point, instead you can choose whatever point you like without losing any of your listening pleasure.*

### True stereophonic sound becomes a reality



*With sound columns you can basically provide sound in every room. The brilliance of the sound no longer depends on the spatial dimensions, instead the listening pleasure depends solely on the quality of the sound system used.*

## ***Phönix Klangsäulen***

*The sound columns give you an ambient feeling that you could previously only experience in a concert hall.*

*Transform your living room into a musical paradise. You can generate the homogeneous spatial sound distribution in adjoining rooms as well and, depending on the opening between the rooms, practically the same frequency range, so that you have the feeling of being accompanied by music wherever you go. At the same time of course, Phönix sound columns are suitable for more than just living rooms. Imagine how efficient this principle would be in a sales room, a hotel lobby or a cinema, for example.*

*“Just as man dreamed of flying and fulfilled his wish, the music lover wishes he was able to turn his living room into a concert hall. In order to make this a reality we have to look to nature for inspiration. Man has two eyes so that he can see in three dimensions and two ears so that he can hear in three dimensions. This means that it must be possible with two sound converters to reproduce sound in three dimensions. Man will experience this three dimensional reproduction as an acoustic hologram.” (R.Mechow)*

*There’s nothing more to be said - now you need to experience it for yourself what it means to hear naturally. And we, the developers and staff at PHÖNIX, hope you have many great musical experiences. We are convinced that when you listen to music, even the music that you really like and that you have listened to many times, you will discover exciting new sonic landscapes.*

## *Introduction*

### **Products**

#### **Funky**



*With the Funky satellite system we have succeeded in developing a space-saving system for small to medium-sized rooms by separating the lower tone range.*

*By combining a passive subwoofer with the very small Funky satellite we can guarantee optimum sound. You will be amazed.*

*The amplifier system does not have to be of a very high specification. Its output should be suitable for the Funky-System.*

#### **Technical data:**

*Satellite output: 50 Watt (rms)*

*Impedance: 8 Ohm*

*Subwoofer output: 2 x 80 Watt (rms)*

*Typical acoustic pressure: 86 dB*

*Frequency range: 30 - 20.000 Hz*

#### **Dimensions:**

*Satellite diameter: 120 mm*

*Subwoofer diameter: 250 mm*

*Height: 250 mm (Satellites), 630 mm (Subwoofer)*

*Weight: 15 kg*

## *Phönix Klangsäulen*

### **Carmen**



*The Carmen sound column guarantees total sound pleasure from a deliberately light structure.*

*It has been constantly improved from a technical point of view and therefore does not need to hide behind its larger and more powerful sisters.*

*It is suitable for smaller living rooms and entrance areas.*

*The amplifier system does not have to be of a very high specification.*

#### **Technical data:**

*Output: 85 Watt (rms)*

*Impedance: 8 Ohm*

*Typical acoustic pressure: 84 dB*

*Frequency range: 40 - 20.000 Hz*

#### **Dimensions:**

*Diameter: 200 mm*

*Height: 1070 mm*

*Weight: 12 kg*

*Installation: free-standing*

## Introduction

### Classic



*The Classic sound column looks very similar to the smaller Carmen columns. However, it stands out because of its sheer size and its superior technology.*

*It conforms to the highest standards of sound quality.*

*The Classic is particularly suitable for discerning living environments where not only a rich sound but the design itself is very important.*

*The quality and output of the amplifier system should be suitable for the sound column in order to be able to take full advantage of its technical possibilities.*

#### **Technical data:**

*Output: 90 Watt (rms)*

*Impedance: 8 Ohm*

*Typical acoustic pressure: 88 dB*

*Frequency range: 35 - 20.000 Hz*

#### **Dimensions:**

*Diameter: 250 mm*

*Height: 1100 mm*

*Weight: 16 kg*

*Installation: free-standing*

## *Phönix Klangsäulen*

### **Eroica**



*Our latest development, the Eroica sound column, allows you to make even better use of the natural sound converter principle. The Eroica is a further development of the Classic at the higher end of the range:*

- fuller bass*
- balanced medium range*
- excellent high range*

*The Eroica can be used both in HiFi as well as in the professional sphere. The output values mean that a speaker system should be used which suits the Eroicas values.*

*Eroica: words cannot describe this sound experience. It just has to be experienced.*

#### **Technical data:**

*Output: 120 Watt (rms)*

*Impedance: 8 Ohm*

*Typical acoustic pressure: 90 dB*

*Frequency range: 25 - 20.000 Hz*

#### **Dimensions:**

*Diameter: 250 mm*

*Height: 11315 mm*

*Weight: 18 kg*

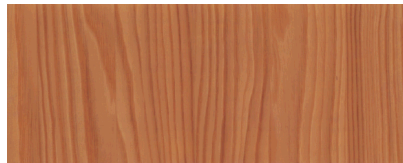
*Installation: free-standing*

## Introduction

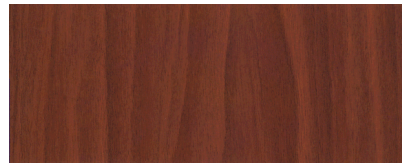
### Finish

All our sound columns comes with stainless steel stays and in a number of different surfaces available from the following list:

(for samples in colour please refer to the German printed leaflet too)



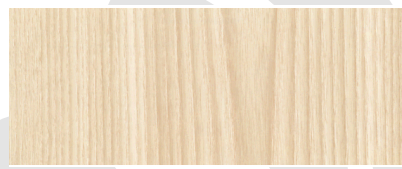
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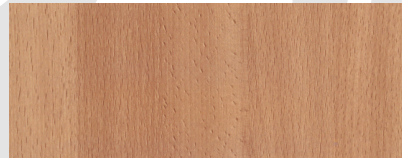
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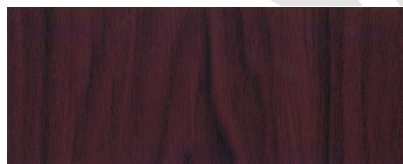
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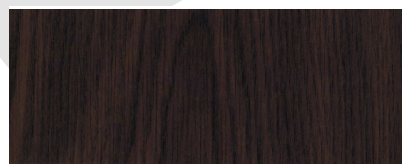
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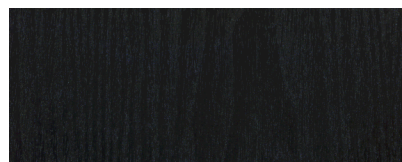


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## ***Phönix Klangsäulen***

### **Extras**

*As an optional extra you can choose a varnish from the full range of RAL colours. Furthermore stays could be made from brass.*

### **Prices**

<b>Description</b>	<b>Qty</b>	<b>Price /€</b>
<i>Funky</i>	<i>Set</i>	<i>990.00</i>
<i>Carmen</i>	<i>each</i>	<i>995.00</i>
<i>Classic</i>	<i>each</i>	<i>1495.00</i>
<i>Eroica</i>	<i>each</i>	<i>1745.00</i>
<i>Varnish</i>	<i>add</i>	<i>250.00</i>
<i>Brass stays</i>	<i>add</i>	<i>150.00</i>

## *Introduction*

### **Phönix for professional use**

*Our Klangsäulen are not only available for home and similar users but also for the professionals (PA).*



<i>Name</i>	<i>Einheit / Qty</i>	<i>VK (Brutto / inc VAT)</i>
Profi 100, 100 Watt	Stück / each	649.00 €
Profi 200, 200 Watt	Stück / each	899.00 €
Profi 300, 300 Watt	Stück / each	1'049.00 €
Subwoofer 100, 150 Watt	Stück / each	549.00 €
Subwoofer 200, 2x250 Watt	Stück / each	799.00 €

## ***Phönix Klangsäulen***

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### **Also available from:**

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