

## Product Information Subwoofer S8



The powered subwoofer S8 is the ideal companion to our other speakers. The S8 is suitable for expanding existing two-channel systems as well as for multi-channel home theater applications. Its multiple control features give it almost universal flexibility. A strong amplifier with 2000 Watts is mounted atop mighty heat sinks.

The S8 sports two side-firing woofers with ultra-long cone throw. Despite its compact dimensions the S8 reproduces even the deepest frequencies without strain. Its beautiful design makes it an ideal match for our loudspeakers B100, B80 and B50.

### **DESIGN GOALS AND SPECIAL CONSTRUCTION FEATURES**

---

The S8 is built for natural sound reproduction up to highest volume levels. Even rip-roaring levels around 115dB do not faze the subwoofer weighing almost 60 kg. The inner chamber made from ultra-stiff MDF board of 35 mm thickness has been fortified with a complex bracing system and brought into its rounded shape with great skill. The rounded shape and the chamber construction drastically reduce reflections within the cabinet.

Like all Burmester speakers, the S8 has not been dampened by wool stuffing but by felt-like mats on the inside of the speaker cabinet walls. The thickness of these mats has been calculated precisely in relation to their placement within the cabinet. This special procedure by Burmester gives the C8 an extremely fast and well-defined bass. Due to the low damping of the driver, the bass remains fully audible even at very low volume levels.

The crossover of the S8 is bridgeable for home theater applications and all performance parameters are adjustable. The connection to the bass drivers is made with 10 mm pure copper wire.

### **TECHNICAL SPECIFICATIONS OF THE S8**

---

Dimensions (WxHxD):	523 mm x 460 mm x 500 mm
Weight:	app. 60 Kg
Power rating:	2000 Watt
Sensitivity (2,83V):	adjustable
Output range (+/-3dB):	5Hz-400Hz
Crossover frequencies:	adjustable
Slew rate:	24 dB with Butterworth characteristic

### **SPECIAL FEATURE: COMPUTER-MATCHED DRIVERS**

Each driver is subjected by Burmester Audiosysteme to a burn-in period of seven days around the clock at high volumes (bass and mid-range drivers with 10Hz, tweeters with pink noise), afterwards carefully measured over its full frequency range and finally computer-matched in pairs. After this matching process we can guarantee that left and right speaker differ by no more than 0.5dB over their entire frequency range. Thus, we can guarantee the technical specs of our speakers with confidence since the burn-in that might change them has already taken place at the factory. Hence, the customer does not have to worry about breaking in the speakers (see computer measuring charts).

### **CABINET CONSTRUCTION**

Ultra-stable cabinet with extremely stiff internal bracing and rounded edges to avoid unwanted resonance at the housing surface  
Power supply and amplifier in separate chambers  
Cabinet finish and prices: see price list

#### Damping

Bass damping system at the inside cabinet walls, no sound deadening wool in the bass enclosure to absorb as little as possible of the back-radiating woofer energy  
The damping material consists of special felt

#### Special Feature:

The bass drivers of the S8 fire sideways. This configuration has the advantage that any unwanted impact sound is canceling out each other.

### **OTHER DESIGN FEATURES**

Massive binding posts at the back of the cabinet make the distance to the amplifier as short as possible  
Balanced (XLR) inputs and outputs  
Thruput to additional S8 subwoofers  
Internal wiring of the bass driver with 10 mm<sup>2</sup> pure copper wire  
Front panel made of solid 15 mm thick milled and enameled aluminum plate  
Sealed enclosure