




„The one who set forth to become a conductor“ would be the perfect title for a story about my life. Music has always been my passion. Since I have always felt at home in the world of perfect sound. Other children wanted to become a train driver, cowboy or astronaut. Pianist, violinist and conductor were on the top of my list. In addition to my classical education that won me an award at the „Young Musicians“ contest, I was increasingly drawn to the magic of rock ,n‘ roll. I performed as a DJ in club houses and gyms – back in the early days already with my own loudspeaker creations. And before I knew it, these jobs meant to earn some pocket money gradually became my true vocation. I studied Electrical Engineering with the focus on acoustics at Munich University. The mobile discotheque from the Swabian hinterland evolved into a professional music entertainer for the prestigious caterer „Feinkost Käfer“. My loudspeaker models began to be used by legendary Munich discotheques such as Sugar Shack and M1. Now – after positions as an engineer with JBL/Harman Kardon, Shure Bros. and Dialog4, after the foundation of my life’s work surrounTec, after the obsessive search for the perfect tone – I am proud to say: My childhood dream has become true. I have become a conductor. My orchestra is made up of ceramic, diamond, copper, titanium, silver and wood. It is my mission to make the universal brilliancy of great composers audible and sensible. With loudspeakers that are not merely resonating bodies, but also resonating souls. For their vibrations convey truth. Just believe me: nothing sounds more beautiful.

Berthold Burkhardtmaier



The brilliance of surrounTec™ is evident from the very first note, and likewise at first glance. Our speakers are icons of acoustic style. Their classically elegant appearance follows an arousing expression of form. It is a statement of pure sensuality and a breathtaking tribute to the fascination of music. A maximum of 25 surrounTec™ loudspeaker pairs is delivered each year. surrounTec™ models share the same fortune as other exclusive works of art. They are highly sought-after everywhere – but not, however, readily available, rendering them yet more coveted.



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What makes the surrounTec™ experience so unique? Conventional loudspeakers provide music as a frontal rendition. Take it or leave it. Like it or not. Bland, indifferent, digital. Our analogue speakers offer more. They generate a personal connection between music and mankind. As a listener this means more than just receiving a sequence of notes. Instead you discover a world that expands your horizon, and one in which the magic of the moment can unfold. True emotion. True inspiration. True beauty.

Some may regard this as a luxury. But for us at surrounTec™ it is quite simply the fountain of life. And has been for over 35 years.

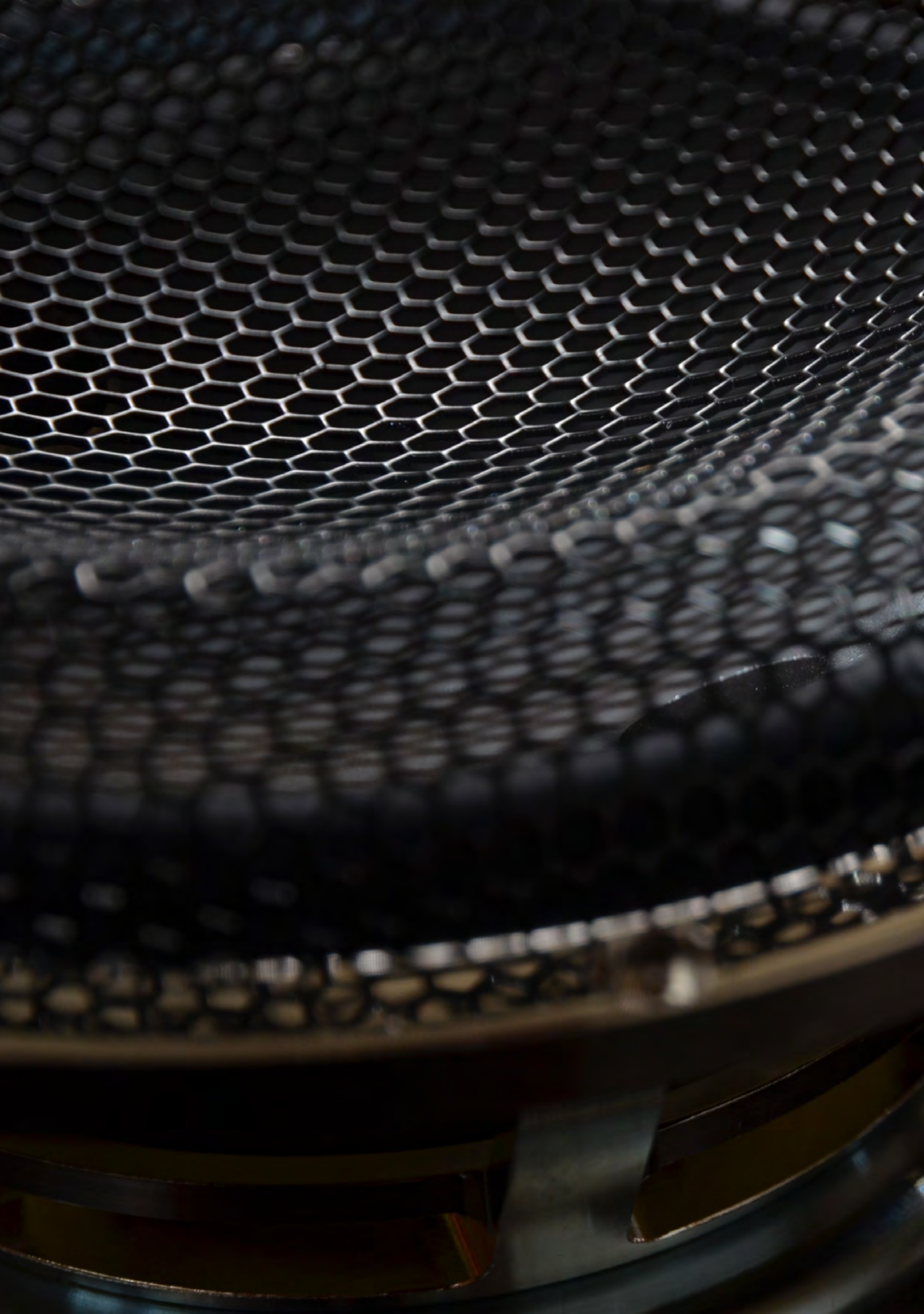








A workshop? A production line? Robotized automation? We have none of these. Our surrounTec™ team comprises a die-hard band of excellent piano craftsmen and cabinet makers dedicated to the idea of producing the perfect sound. A converted villa is the location where we develop, shape, bolt, assemble, polish – and perfect – our products. Time and time again. We work for a minimum of one hundred hours on a single speaker. This extraordinary attention to detail makes each speaker one of a kind. From soldering the cable to buffing the finished surfaces – every step in the process is performed in Germany. Quality true to the insignia made in Germany. Quality that swings, rocks and grooves, and brings joy to the heart of every music lover.





Each surrounTec™ loudspeaker pair is finished by hand and is absolutely unique. One of a kind - like its owner. For this reason we offer you complete freedom in the customization of the design.

The loudspeaker cabinets can be painted in 2.328 different matte colors. True, hand-applied piano lacquer is available in almost as much variations - such a lacquer takes every connoisseur's breath away - a perfectly smooth and reflective surface.

All aluminum parts are polished by hand, with extensive experience and the highest degree of craftsmanship. Later each part is galvanized according to your personal desire and your speaker becomes one of a kind.



## The loudspeaker concept

It was my aim to do design a loudspeaker without a classical cross over. It impedes the natural feel of the music rendition in various ways. Phase shifts, phase incoherence, subjective "sonic impressions" created by different components - I wanted none of these.

The principle is simple: Each driver that is used in a loudspeaker is designed in such a way that its individual frequency response is harmonized with the other drivers. Each driver has a natural roll-off by 6dB. Thus, "artificial cut off frequencies" are not needed. The membrane resonances are filtered selectively and in a phase-neutral manner – analog with the finest Duelund components.

The 6dB concept operates with broad overlap areas where the various loudspeaker paths transmit an identical signal. In order to avoid cancellations – due to the overlaps – the acoustic centers of all drivers were placed on this circular arc (keyword "time alignment"). That way, they are in phase at any time.

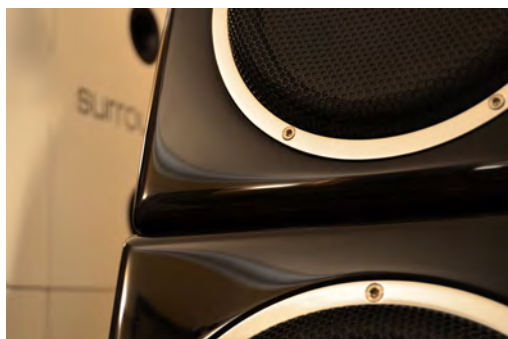
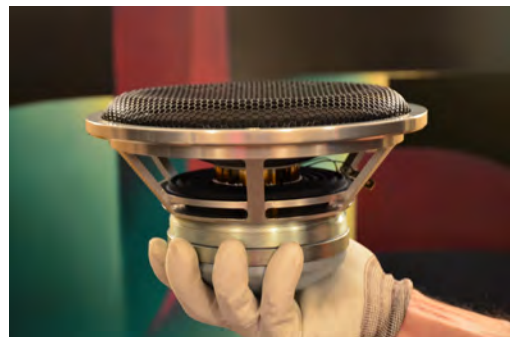
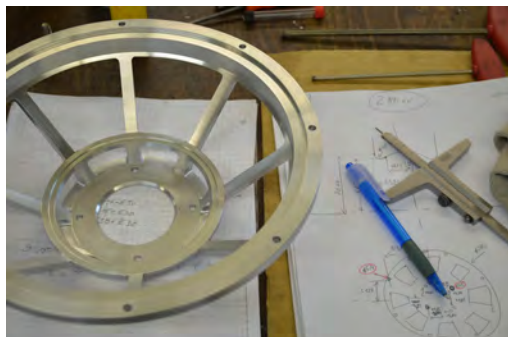
The outcome is a loudspeaker that acts like a single broadband membrane in spite its large number of paths. With an ideal step response and the acoustically right time and phase behaviour.



The [monolog]Meisterstück is the coronation of the loudspeaker. It is equipped with the ultra-exclusive 50mm diameter BD50 diamond tweeter. The cabinets are coated with the finest piano lacquer in pure, true and ultra deep black perfect mirror finish or any other color you might like. It takes three months to paint the speaker cabinets by hand! All aluminum parts are milled from the full and polished by hand to a perfect high gloss finish. Even the loudspeaker baskets of the ceramic drivers are custom designed by surrounTec™, milled from the full and polished by hand!

The internal wiring is made from gold, every condenser and coil is made from pure silver. All screws are made of titanium ... the aim was to create the „non-plus-ultra“. No part on this speaker is off-the-shelf. Every component is designed by surrounTec™ and build by hand with loads of time, calmness and respect to true craftsmanship. Amen.

The result is a crystal clear, pure, absolutely uncolored sound pattern. The sound impression of this speaker is discrete and unspectacular during playback the masterpiece moves into the background, giving space to the sound.



Dimensions: 310x660x1588mm

Weight: 110 kg / channel

Drivers: Tweeter 50mm diamond calotte  
Mid-Range 2 x 8" ceramic driver with neodymium magnet  
Subwoofer 2 x 11" ceramic driver with neodymium magnet

Impedance: 4 Ohm nominal, 2 Ohm minimal

Distortion: <0,1%

Sensitivity: 91dB/1W/1m using 2.83V

Max. SPL: 113dB/1m

Characteristics : Ideal step response  
Ideale phase characteristics  
Ideal time response

Warranty: 12 years for the first owner, except burnt through voice coils or destroyed membranes






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Sound reproduction is, strictly speaking, a matter of technology and acoustics for the ears alone. Music is communication of the soul and conveys emotions by means of „air vibrations“ via the ear to the brain. None of the other senses is stimulated. All relevant information must therefore be communicated via the sound. This is why we close our eyes while enjoying music (and consequently, a „beautiful“ loudspeaker cannot enhance the musical enjoyment!).

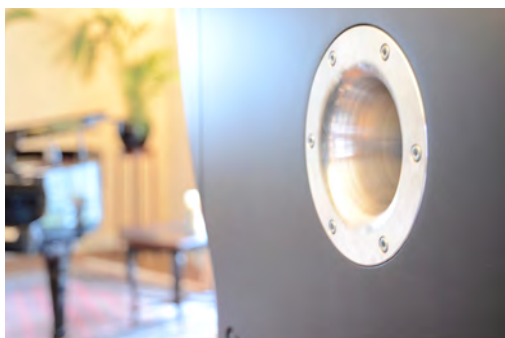
However, is the appearance really of secondary importance? Despite all the available audio-technological excellence, we at surrounTec™ consider music enjoyment to be a holistic experience. Behold, marvel, touch, grasp, realise. The outer appearance of our loudspeakers ideally embodies our philosophy – the real accomplishment is their simple, true beauty. In other words, „A product that is coherent in form requires no embellishment“ (Ferdinand Alexander Porsche, designer of the legendary Porsche 911). Run your hand over a surrounTec™ speaker as you would an elegant sports car. And you will notice – aesthetic perfection is more than skin deep.



Sometimes our [[:monolog]] is simply too large or the room is too small. Thus we present you the [[:iponlog]]Meisterstück.

Technically the small surrounTec speaker is not inferior to its larger brother. However, it's smaller in every aspect and thus built around a 30mm diamond tweeter. The result is purity and neutrality. During playback it moves into the background and serves its purpose: a lifelike, unaltered highly precise music playback

The bass module can be equipped with with a DSP controller and an analogue amplifier module (same applies for its larger brother [[:monolog]]) to integrate the bass in an harmonic way into your listening environment. The thereby used amplifier module is a reference for itself: 200 Watts @ 2 Ohm, absolut linear phase and impedance response, independent from level or speaker load. This masterpiece fully integrates into the subwoofer's cabinet - all you can see are the two input jacks.



Dimensions: 251x460x1348mm

Weight: 70 kg / channel

Drivers: Tweeter 30mm diamond calotte  
Mid-Range 2 x 7" ceramic driver with neodymium magnet  
Subwoofer 2 x 8" ceramic driver with neodymium magnet

Impedance: 4 Ohm

Distortion: <0,1%

Sensitivity: 90dB/1W/1m using 2.83V

Max. SPL: 110dB/1m

Characteristics : Ideal step response  
Ideale phase characteristics  
Ideal time response

Warranty: 12 years for the first owner, except burnt through voice coils or destroyed membranes



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