

Experiencing Sound Naturally

NATURSCHALLWANDLER®

Holographic Speaker-Systems

Natural sound - to be at home in nature

Since ancient times the joy of sounds and music is deeply rooted in human beings. The sensation of musical beauty is an important source of our well-being.

Sounds arouse our feelings and inspire us - we can relax, allow ourselves to be touched and dream. Music nourishes our body, mind and soul.

In conversation we not only hear the words but also have a feeling what another person wants to communicate. With our sense of hearing we have a connection with everything that surrounds us.



Little bird, singing in the woods.

Sound Propagation in Nature

Natural sound waves always spread out from one point in all directions. A little bird in the forest can be heard clearly and precisely even from a distance, although technically he sings only with an output of a few watts.

In nature all sounds and noises always spread out in three dimensions.

These spherical acoustic waves propagate in the entire acoustic field.

Our Naturschallwandler®-system follows these physical and acoustic principles.



Natural movements of waves in water.

The Human Sense of Hearing

The ear is attributed a prior importance even at an embryonal state of evolution. It is the first developed organ of perception. Every living organism, even a single cell, perceives in the first place waves and vibrations.

Nature perfectly equipped us with a three dimensional sense of hearing.

So we are able to perceive the world and its sound acoustically and spatially from all directions. The processing of this complex information involves the activation of many areas of the brain.

A sound sense of hearing gives us confidence and clear spatial orientation. Where am I - where are the others? You cannot see through walls but hear through them.

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MUNDUS



humane Technik für
ein neues Bewusstsein

NATURSCHALLWANDLER

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Sunray for your home

natural materials in detail:
body made of
7 layered natural wood,
high frequency head
made of solid maple tree
or cherry wood.
Campanoid is made of selected
Swiss pearwood.

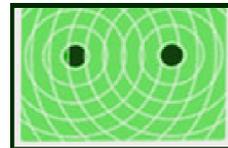
Braces made of hand polished
stainless steel.

The mid/high systems
form an excellent acoustic
hologram, clear and fine through
all frequencies, which makes you feel
entirely comfortable.

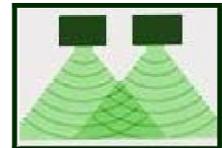


SUNRAY for your home.

A natural ambient sound allows and enables our sense of hearing to regenerate and to occupy its principal position in the hierarchy of the senses.



undirected spherical
sound waves



directed
sound waves

Hearing and Brain

In hearing two basic aspects work together: volume and intensity of a sound - in conjunction with spatial placement and inner individual allocation.

What do we hear? A car, a bird? and the localisation:
How does the car move towards me? Where is the bird?
The processing of this information takes place in our brain.

Perceptions of our ears, bones and skin are transmitted through our nervous system to the brain.

How well we hear decisively depends on the complete processing of this information. This is also a learning process which is based on experiences and is controlled by our consciousness.

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The Acoustic Hologram

When two spherical sound waves created by Naturschallwandler® interfuse a special three dimensional acoustic space is formed "the acoustic hologram."

It is the creation of the original sound with its energy and quality in the existing room of the listener. Hologram literally means an authentic and whole (Holos) message (Gamma) - an experience of particular clarity and beauty.

Experiencing with all Senses

Naturschallwandler® create a natural sound space. The technological basis is formed by the universal physical laws of directionality and resonance space. The sound produced without pressure can be felt and strengthens the perception of sound in the whole body. The holographic space is expression of an accordance with a higher order pervading all things.

Different from nature where an acoustic event is never identically repeated, the order in the hologram of NSW remains stable and repeatable.

This is of great importance for therapeutical training.

The audio performance of the Naturschallwandler® is fine, precise, natural and harmonious.

You can not only hear the music with NSW but also feel it in the body in a pleasant way. The spherical sound waves flow through the entire organism and allow a sudden and deep relaxation. This natural sound experience takes listening to a new experiential level.

We call this "sentient hearing".

Technical Innovations

From our own research realised in all our systems

Synchronisation of frequency crossover with **crystals** for a clearly improved phase linearity, a clear locability of the whole musical event and an extremely precise impulse response

ETERNITA concert system

3 stage bassreflex tube with **Variomembran**, adjusts the damping of the subwoofer cabinet to the given volume and ensures a bass sound that is pure, dry and of high impulse fidelity at any volume.

Construction of the **frequency crossovers** based on the golden cut, sacred geometry and natural proportions.

Gold: placement of pure gold on a specific position for highest vibrational information and purity.



The therapeutical listening room

In the acoustic hologram of NSW a direct relation and resonance with three levels of perceptions occurs:

- the resonance space of the acoustic hologram with its organising effect in the real environment
- the individual hearing ability respectively possible hearing problems and their history of origins
- the material and acoustic environment including all persons and objects as well as their relation to each other

With the “MUNDUS-basic process of hearing regeneration®” hearing impairment can be specifically treated.

Naturschallwandler® generate through their created holographic space a continuous impulse of order. This stable spacial order serves as a reference point for the verification and adjustment of one’s own spatial auditory field, thereby making possible a readjustment combined with an improvement of the auditory field.

Moreover additional effects in the whole organism are possible because the ordering impulse is active beyond the auditory field.

Natural Sound in Art, Culture, Music and Research

*He who understands geometry
understands anything in this world*

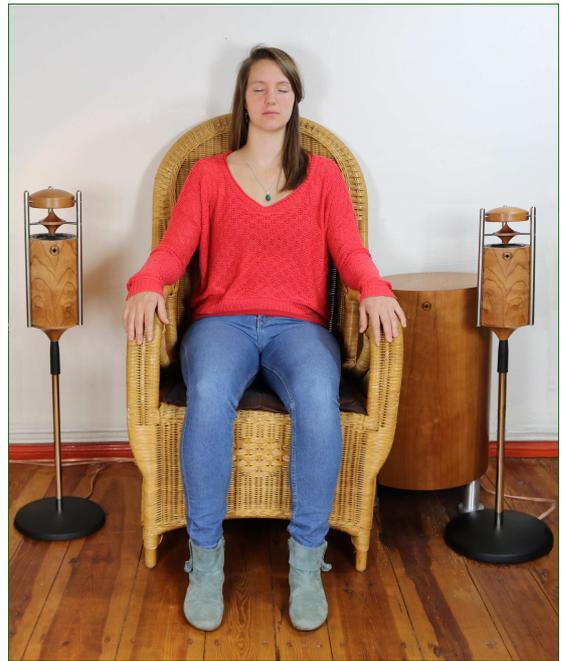
*We cannot teach people anything
we can only help them discover it
within themselves*

Galileo Galilei (1564 1642)

NSW combine sophisticated technology with `sacred geometry` and high-quality materials. Naturschallwandler® are the consistent realization of a concept of acoustic systems, which has its source in the observation of nature.

Many technicians and researchers have worked on the implementation of natural acoustics in a technical system. The natural and realistic image of acoustic processes has become a reality-of any sound storage medium and as a live and stage system.

“We have fulfilled our dream
now it is the absolutely perfect sound!”
Meigl Hoffmann, CENTRAL KABARETT LEIPZIG



Therapeutic listening room



ETERNITA in the Church of St. Afra, Meißen
(Germany)



Meigl Hoffmann,
Chef de Pointe, CENTRAL KABARETT LEIPZIG