

Harmonizer H2a and H2b

The Steinmusic Harmonizer H2a and H2b together with the Steinmusic Magic Stones and Magic diamonds form a mighty system to optimize room acoustics.

The working principle is based on quantum physical orientation. As to explain this is not really easy, we like to describe what they do in simple expressions.

The air molecules inside of the listening room are ‚jogged‘ through the loudspeaker and thus transmit the sound information.

In order to elongate the air molecules from their rest position it is necessary to spend energy first. It is much easier to move them if once moving. This phenomenon is similar to static and dynamic friction.

To force a heavy piece of rock to move is not an easy task. But if it is once moving it can be much easier shifted further.

The Steinmusic Harmonizer is working very similar, but rather at a level of ethereal states. The air is not moved in reality, but instead will be charged with information, which is causing the same effect.

Now it can be elongated from its rest position without much effort and thus is able to transport sound events to the listener’s ear in a completely different quality.

This explanation is more or less a working hypothesis, reflecting the trial to illustrate the principle of work of the Harmonizer.

It does not claim to be complete, but from our point of view it is first of all the sound wise result what counts.

And this is really worth the effort.

First use and installation

The Steinmusic H2a and H2b Harmonizer are fed with current via an external wall type power supply, or may use four AA batteries. The included power supply is designed for an optimal use within your personal equipment. It has been optimized for minimum electromagnetic interference. In contradiction



to other devices, which usually benefit from a appropriate power supply, the Steinmusic Harmonizer does not need any special mains supply filter, power cable or plug board for its optimal function.

It does not require to be connected to the same mains supply like the musical equipment, but in case it does not disturb it either.

Inside of the device is a compartment for four AA batteries.

For that reason the Harmonizer may be used without a mains connection as well.

The battery compartment is located inside of the enclosure and is fixed from inside at the bottom plate.

It can be reached after loosening four screws and removing the bottom plate.

Attention! Please take care for not ripping off the connecting wires of the battery compartment.

We recommend switching off the light emitting diode in case of using a battery in order to prolong the lifetime of the battery. If batteries have been inserted and you additionally connect the provided wall power supply the device will work from that and the battery will be out of use.

A blue light emitting diode at the face plate indicates the actual state of the device.

The switch labeled ON/OFF at its extreme positions switches the LED used as an

indicator, but the device will still be in use. In the center position the Harmonizer is switched off completely.

At the back plate a turn knob is located, providing a control over the intensity to accommodate to different environmental situations.

A control position between 9 and 10 o'clock has proven to be a good starting level.

Room Size

H2a and H2b work perfect in rooms between 15 and 150 m².

The basic setup for small rooms is 1x H2a, 1xH2b plus 10 magic stones.

For rooms between 28 and 60m² 2xH2a and 2xH2b plus 10 magic stones are fine.

If you use the system in a bigger room of let us say 100m² you may add further sets consisting of 1x H2a and 1xH2b plus 10 magic stones. You may also start with a smaller quantity and so far good results and upgrade the system step by step to the optimal state.

Placement

You should place it according to the sketch below.

The H2a and H2b should be placed at two adjacent sides of the room, in the regions marked with a big circle.

We recommend the use of two pieces H2a and two pieces H2b.

If you use one "a" and one "b" only, first place them at the wall behind the speakers or at the sides of the room in the region of the circle shown in the drawing.

Please note that H2a's are working omnidirectional and do not need to be turned into a certain direction. H2b's however work unidirectional and their front should face towards the room between Speakers and listener.

In any case a placement at a lifted position of around 150cm high for instance at a bookshelf is well proven.

In reality it might be difficult to fit the recommendations of the sketch, but other placements are possible as well will work effectively.

No room is like the other and with a little testing you will manage to find a position optimal for you.

Magic Stones

Magic Stones are triangular elements with a diameter of around 30mm. They are the ideal addition to the Steinmusic Harmonizer and considerably intensify its effectiveness. In the sketch below you will find them marked with circles. One Magic Stone each at a central position on top of your loudspeakers, roughly 3 cm recessed from the front edge. At loudspeakers without even surfaces like for instance the B&W 800 series a Magic Stone is fixed with a little piece of plasticine or Pritt Multifix right at the tweeter. Similarly one deals with coaxial speakers like Altec Duplex chassis. Here one Magic Stone is fixed at the mid/high horn. One Magic Stone each should be placed behind the equipment as well as behind the listening position at a height of 180 cm. For that purpose Pritt Multifix are useful, but a placement on top of a wardrobe or behind a picture is easily possible.

Now, please lay down a Magic Stone at each room corner. If furniture does cover the Magic Stones this does not pose a problem. The last Magic Stone finally is fixed at the ceiling close to the center of the room. Pritt Multifix would help, but even a fixing at a lamp is possible, too. Further Magic Stones may be placed on top of your audio devices and at the upper corners of your room.

Magic Stars are the same as Magic Stones, but sometimes fit better into the environment.

Magic Diamonds however are further improved devices. These should be used onto the speakers and at the ceiling instead of Magic Stones.

Magic Stones are marked in the below drawing as small circles.

Big circles show the optimum placement of Harmonizers.

