

The SteinMusic H2 Next Generation Room Acoustic System

The SteinMusic H2 in combination with the Steinmusic Stones, Diamonds and Suns 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‘ trough 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 H2 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 H2.

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

First use and installation

The SteinMusic H2a and H2b Harmonizer are fed with current via four AA batteries, which are accessible through a lid at the bottom of the Harmonizer.

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 H2 is switched off completely.

We recommend switching off the light emitting diode during operation in order to prolong the lifetime of the battery.

At the back plate a 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 and number of H2

H2 work perfect in any room size.

The basic setup consists of 1-3 pairs of H2.

Two sets is the most commonly used variant, however you may also start with one set or further improve the system using three sets.

Placement

You should place it according to the sketch below. The H2a and H2b should be placed at two adjacent sides of the room. 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 as shown in the drawing.

You will get more focus when they are closer together or a wider soundstage when they stand somewhat wider apart.

Please note that their front should face towards the room between speakers and listener.

We recommend the use of the stands that are specially made for the H2.

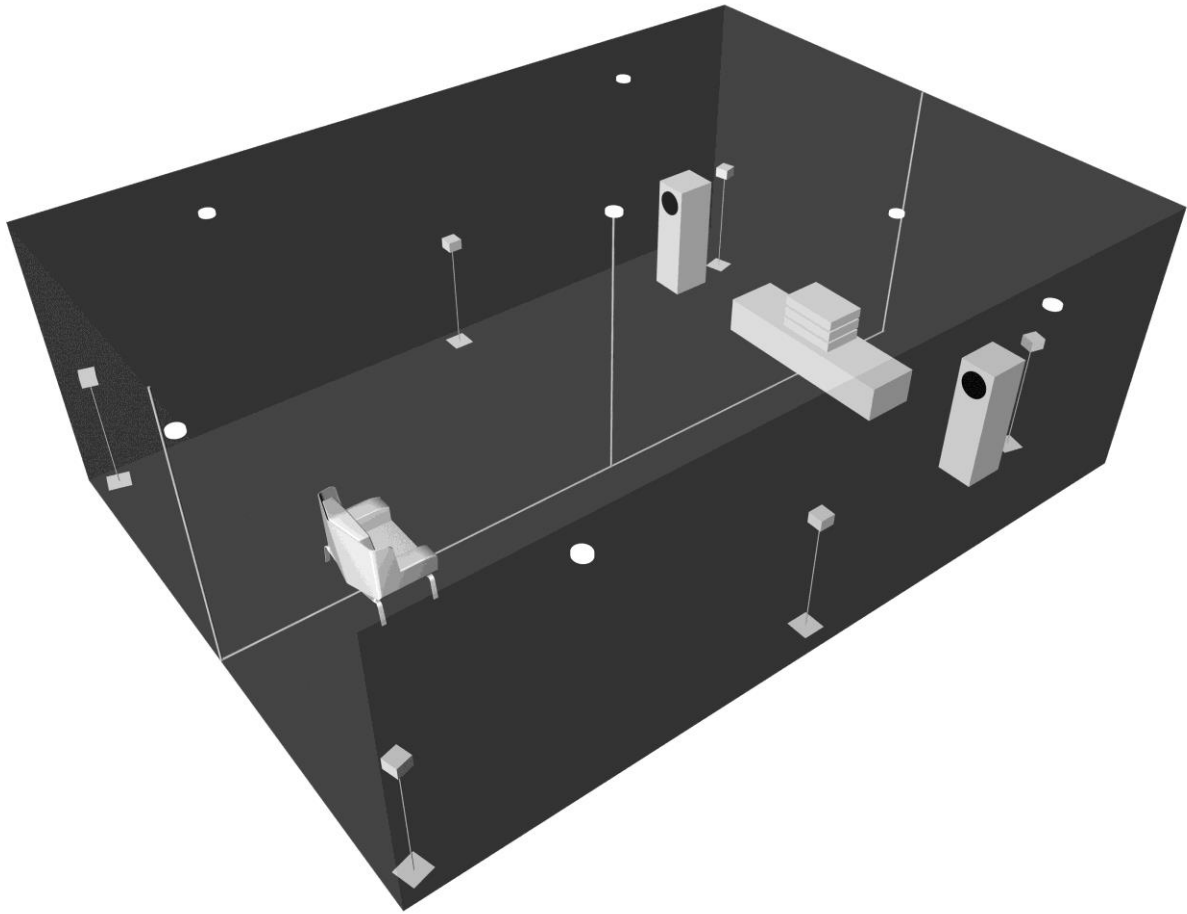
They have the ideal height of 1 m, and make it easy to get the optimum placement in the room.

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 which works perfect.

Black Stones, Blue Suns and Black and Blue Diamonds are essential parts of the H2 System. Please mount as indicated, and refer to the FAQ at the last page of this document. Diamonds and /or Suns are marked in the below drawing as small circles.

Squares show the starting point to place the H2.



FAQ

How many H2 do I need for my room?

The number of H2 used in a room does not depend on the size of the room.

Already in a very small room of 10 square meters, a set of six pieces will give better results than only one pair.

However also in a room with a size bigger than 100 m² already one pair of the H2 will improve the situation significantly.

On this background we may only encourage you at least to try the setup of six in case that funds in general might allow such an investment in sound. If funds are somewhat limited maybe you better enjoy the benefits of a pair of H2 first. In this case you may upgrade your system later at any time, if you feel you can afford some more of what you already enjoy.

What is the effect of the single parts of a H2 System?

Blue Suns at the side walls will open up the soundstage.

The orchestra is more playing in the room, the sound is not so easy to be located coming out of the speakers.

The Blue Sun at the wall behind the speakers opens up the acoustical performance to the depth.

Depending on the height of these you may level the soundstage more up or down.

The Blue Sun at the back of the listening place opens up the space in front of the speakers.

One Blue Sun at the ceiling should be placed in about the middle of the distance from the speakers to the listening place.

This one again opens up the soundstage significantly.

Blue suns at the side walls will give you a more holographic and tangible sound.

You may also use Blue Diamonds at these places with a smaller effect, or refine the effect of Blue Suns by adding Blue Diamonds in top.

One Black Stone in each corner of the room.
These Black Stones are “grounding” the soundstage.

All together you will achieve a very realistic musical reproduction with natural proportions.

What batteries should I use?

We recommend using high quality Alkaline AA batteries like Duracell.

These are everywhere available, and you may be sure they will exceed a lifetime of two years when the Led is switched off.

You may also use AA Lithium batteries which are harder to get, but will give you a lifetime of more than six years.

How should I start to set up the H2 system?

H2

First of all you should arrange all H2 to be equipped with batteries and fitted on their stands or wall brackets. Ensure the LED lights up in the upward position of the switch that is marked with “Light on”, and then switch down to the complete lower position marked “Light off”. Now adjust the level attenuator to 9-10 o’clock, and place the H2 in the room corners and at the room sides as indicated in the drawing.

Placing the front harmonizers somewhat closer to each other’s so will result in more definition, increasing their distance to each other’s will make the soundstage more open.

Please have a try, and use the way which gives the best synergies with your system.

Black Stones

Put a black stone in every corner of the room.

Blue Suns or Blue Diamonds

Mount these as shown in the separate instructions.

Should I try a different setup of the H2 elements in my room?

In the H2 system every detail regarding the use of Blue Suns and Diamonds just as their placement has an impact on the overall performance.

Although there may be configurations that might also work well, we strongly recommend to first experience a configuration that has been proven to give excellent results before starting experiments on your own.

Please refer to the drawing attached, without adding or subtracting anything and get a feeling for what happens when you move the items in steps of 5-10cm.

By this you may achieve an acoustical projection of

the recording room into your listening room by eliminating the limitations of the walls of your listening room, and you are much close to the musical performance.

How do I mount the Stones and Diamonds?

We provide a special Black Tack that holds tight and may be removed from most surfaces without traces.

Regarding the position it is always good for Blue Suns to be mounted that way that the structure shows up and the label down.

They come with small clear acrylic wall brackets which make mounting easy.

If you now add a Blue Diamond to further increase the finesse, just put it on top, with the tip pointing upwards.

Blue Diamonds alone should be mounted that way that their tip points downwards and the label up.

How long does it need until the effect of the H2 system is evenly distributed in my room?

After switching on it needs about 20 minutes until the H2 System has reached its full efficiency.

However after some days their impact on the sound will even slightly increase.

Because of this we recommend to leave the Harmonizers switched on all the time.

How shall I use the switch with the three positions at the back?

The H2 are switched off in the middle position.

In the upper position the H2 are on, and the Led at the front is lightened.

In the lower position the H2 are on, and the Led at the front is switched off.

When you use the H2 you should switch the light off. This consumes less energy, and a set of good quality alkaline batteries will last more than 2 years.

There are also lithium batteries available now which will last 8years.

To check the batteries simply switch on the Led.

If it lights up, all is fine.

If not, please replace batteries.

What is the difference between the normal versions and the Signature versions of H2 and Blue Suns?

The Signature versions of H2 and Blue Suns carry an additional layer based on quantum physics. This layer perfectly complements the original version.

May older versions of H2 and Blue Suns be upgraded to Signature versions?

H2 and Blue Suns may easily be upgraded to the signature version, adding the additional layer as a

module.

This module does not need to be soldered, and comes with clear instructions for simple and easy mounting by the end user.

What kind of improvement may I expect upgrading to the Signature versions of H2 and Blue Suns?

The Signature versions of the H2 and the Blue Suns allow a significantly more realistic and emotionally appealing presentation of the musical performance.

May I mix normal and Signature versions of H2 and Blue Suns?

Yes, you may mix them.

For the H2 you should always use them in pairs of the same type for front, back and middle position.

May I place the H2 and Blue Suns behind a curtain?

Yes, without any degradation of their effect.

You may also place these in a shelf or even in a cabinet.

Why should I put the H2 out of the room, when I want to do an A / B comparison?

When switched off, the effect of the H2 will go down slowly, which needs about 20 Minutes.

When you put them out of the room you will get an immediate difference.

My room has a different shape than the one shown in these instructions.

What shall I do?

These instructions explain the general idea for a setup, and are easy to adapt to a real living room situation.

Also in a room with a completely different shape you will find a setup that works perfect with ease.

Just make a first approach where you adopt the general ideas regarding the setup to your real room, and take some time to get familiar with the advantages the H2 system creates.

After that you may move things and get an immediate idea about what will be the perfect placement.

I use an electronic room correction. Will this work together with the H2 System?

This will work perfectly, however you should measure the room again after you have added the H2 system.

Are there any interactions with the electrical circuits in the room?

No.

However what happens using the H2 system is that

you get the noise floor down.

Conversely, other sources of distortions which are independent of the H2 System, now will have a more obvious effect.

For example, the effect of the mains quality may now affect your audio more as before, due to the generally lower noise level.

To use classic noise filters often limits the dynamics.

We advise the use of two Q5 Quantum Organizers instead.

What may I achieve with the H2 System?

The idea of the H2 system is to fade out the influences of the existing listening room to get an acoustical projection of the recorded performance including the acoustics of the recording environment.

So in the end acoustically you are no longer in your listening room, but very close to the real performance.

For this we need all parts of the H2 system which combined in the end will exactly achieve this.

Troubleshooting

LED does not light up.

Please try to move the batteries in the battery holder that way that both sides of each battery has contact to the metal lugs.

It may happen that the batteries are clamped tight in the battery holder and do not have correct contact to the connectors then.

Content of the H2 package

1x	H2a
1x	H2b
2x	Wall brackets
2x	Knurled head screw M8
2x	Screw + dowel
2x	Black Stones
4x	Plastic washers

For the stands option:

2x	Stand bases
8x	Stand rods
2x	Counter-sunk screw M8
8x	Rubber feet for stand bases
1x	Hex Key 5mm

H2 Signature and H2 Signature upgrade

We now could create a combined effect of our work on quantum physics together with the techniques of the H2 system.

For those who are already familiar with the H2 system this may be hard to believe, but the effect is significant: The music again plays more liquid, less technical and with a breathtaking realism.

Good news is that all previous series of H2 in cube housings may be upgraded with a quantum organizer module.

This very easy to do, and only requires a screwdriver and 5 minutes of time.

The H2 Signature version is available now.

For an upgrade of existing H2 the HQ modules are available, and include step by step pictured instructions just as a "Signature" hologram sticker.

If you do not feel comfortable to do the upgrade personally please contact your local dealer or us.







We will arrange the upgrade for a reasonable price.

The passive devices of the SteinMusic H2 System and their effectiveness

The percentage of effectiveness is related to the Blue Suns, which are 100%.

Although the Black Stones only have 8% efficiency of the Blue Diamonds, their effect is already clearly audible.

What improve with the more effective items is the naturalness, substance and finesse of sound.

	8%	Black Stones are small acoustic tuning elements to optimize room acoustics and perfectly match to H2s. 25mm x 25mm
	25%	Black Diamonds are similar to Black Stones, but in addition to Black Stones we here implemented another technique also based on quantum physics. So they became much more efficient. We recommend their use in the same way as Black Stones. D 40mm x H 20mm
	45%	Blue Diamonds further increase the naturalness of music compared to the Black Diamonds. At these we could increase the intensity by a factor of three compared with the Black Diamonds. D 40mm x H 20mm
	100%	Blue Sun The most impressive passive item of the Harmonizer System. Use together with the Harmonizer packages, or even without. For best results use 5 pieces per room. D 65mm x H 17mm
	140%	Blue Sun Signature The original Blue Sun combined with another layer which includes the technology of the Quantum Organizers. Even more powerful than the original ones already are. D 65mm x H 25mm
	40%	Blue Sun Signature upgrades This is only the layer which carries the technology of the Quantum Organizers. Put underneath your Blue Sun and enjoy the benefits of the Blue Sun Signature version. D 65mm x H 10mm

Blue Suns, Blue Suns Signature and Blue Diamonds

Steinmusic Blue Suns also perfectly work together with the Steinmusic Blue Diamonds. Just put a Blue Diamond on top of the Blue Sun, and fix it with a small piece of Black Tack.



The result will be an even more open and refined sound.

The Signature versions of the Blue Sun is slightly thicker, and containing an additional layer which complements perfectly to the Blue Sun. These additional layers are also available as Blue Sun Signature upgrades which may easily be mounted under a Blue Sun to make it a Blue Sun Signature. Blue Suns are very efficient, but need some efforts and trials to find the perfect place, which is absolutely essential.

Notes:

Blue Suns are easy to glue on the wall with the wall brackets included.



You may also place the Blue Suns behind a painting, behind a screen or into a shelf when something like this is at the adequate place.

Blue Suns and Blue Diamonds are also available in white color. Blue and white ones may be mixed without any change in the effectiveness.

Blue Suns work best placed horizontally with the sun structure on the top and the label on the bottom with the exception of the one at the ceiling, which you should mount at its label side.

Clear acrylic wall brackets are supplied with the Blue

suns which make it easy to mount them horizontally. In the process of finding the best position you may use the black tack which is removable, but does not hold for long. Then you should screw the brackets to the wall

A special double tape allows them also to be mounted on glass surfaces like windows or mirrors.

If you do not have a rectangular room the Blue Suns may also work fine.

Send a photo of your room to holger@steinmusic.de, and we will show you the best places.

Please note that you will get excellent results using a setup of 7 Blue Suns.

However there is no limit using more, which step by step may further improve the musical performance.

Please contact us for a personal support as in this case you need to choose the positions with great care.