Advanced Acoustics
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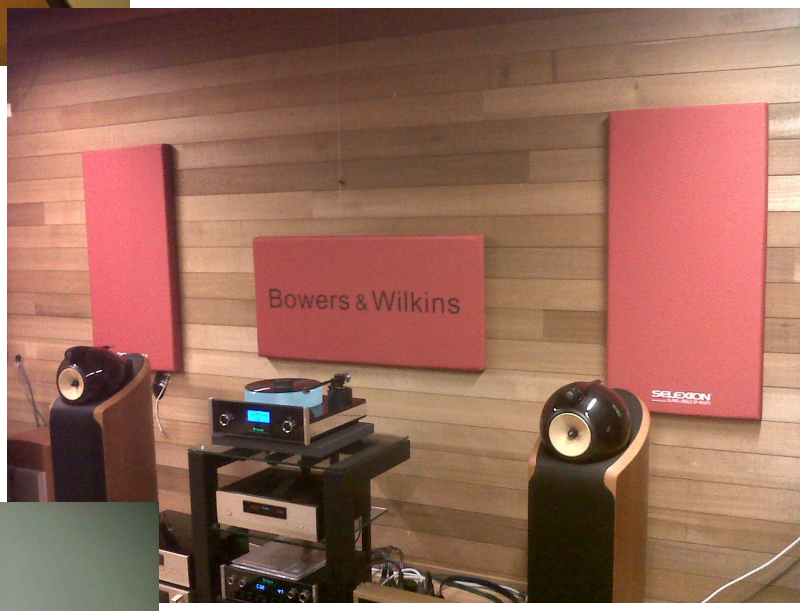
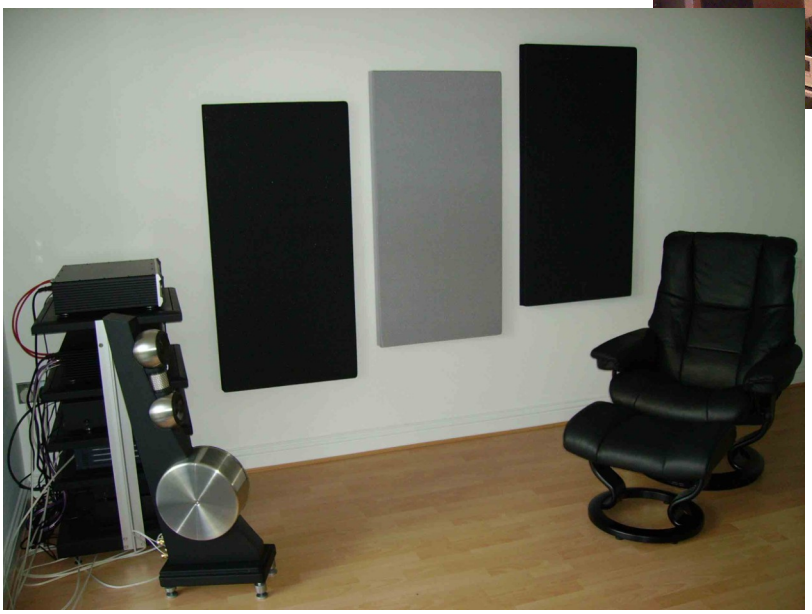
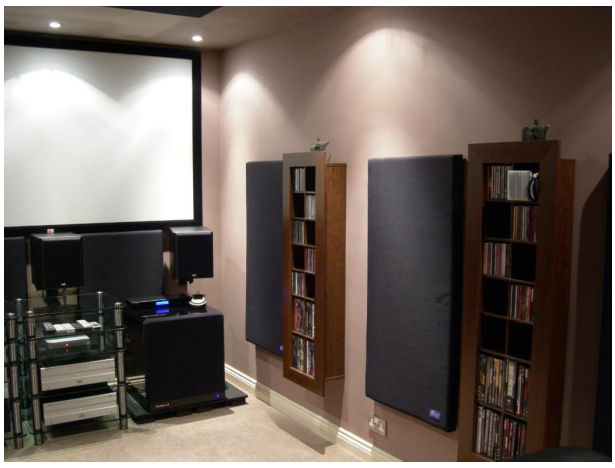
plasa member

High End Audio Product Range







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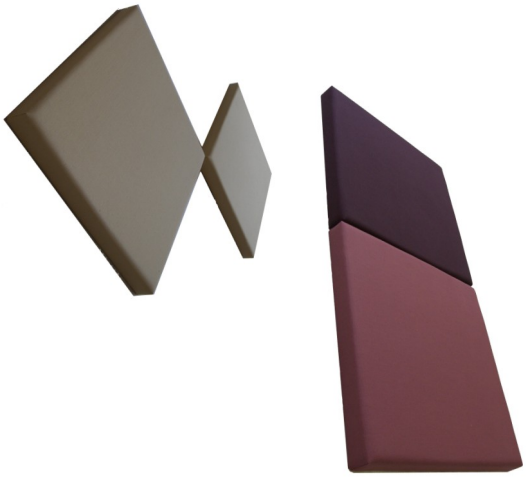
Mini Wall Panel



- 24" (610mm) by 24" (610mm) acoustic panel.
- 2" (50mm) thick professional grade acoustic foam.
- Backed onto 6mm HDF.
- Meets all fire and furniture regulations.
- Will absorb reflections and reduce reverberation time.
- Will improve clarity of the recordings.
- Will widen the soundstage and improve stereo imaging.
- Hard wearing colourfast cloth.
- Easy installation.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

Our Mini Wall Panels are a smaller version of the Wall Sound Trap Panels. With a build quality that is second to none our Mini Wall Panels are the first choice for the discerning listener. The panels are 2ft (610mm) by 2ft (610mm) of high quality absorption. It is thanks to the professional grade acoustic foam, the specially selected open weave cloth and the low frequency absorbing hardboard that our panels perform so well. The 2” (50mm) acoustic foam is mounted on 6mm high density fibreboard to help keep the panels rigidity and also maintain low frequency absorption. This is then covered in a soft but durable linen cloth.

The fabric conforms to BS EN 1021-1 1994 (cigarette) and BS EN 1021-2 1994 (match). The foam meets the requirements of Schedule 1, Part 1, of the Furniture and Furnishings (Fire)(Safety) Regulations, S.I. 1324 of 1988 (Amended 1989)(Amended 1993) for added peace of mind.

The arrangement of the high grade acoustic foam, the bass absorbing HDF and the hard wearing but fantastic looking cloth brings together a panel that is without question the best sound wave absorbing panel on the market. Put these together with some Corner Sound Trap Panels and you will have yourself a room that sounds and looks like you have never heard or seen before. The bass response of the room is improved the reverberation and reflections are lightened to bring clarity to a room that before lacked precision and definition.

These panels will improve and remove common problems such as room modes, long reverberation time, standing waves, reflections, low end build up and echo's. With absorption of 0.45 at 250 Hz these panels are not to be dismissed and with the combination of the Corner Sound Trap Panels you will have room that your peers will be jealous of. Mid and high frequencies are opened and you will hear perfectionism as never before. The low end will be given the extra boost needed to bring transparency to the room, a room that will look and sound a hundred times better than before. These panels are not expensive; don't let that put you off. These panels will be the best investment you can make for your dedicated listening room. Plus with the mounting option of either D-rings or mirror plates the installation of the panels is very simple but very effective.

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Mini Corner Panel

- 16.5" (420mm) by 48" (1220mm) acoustic panel.
- 3" (75mm) thick professional grade acoustic foam.
- Backed onto 6mm HDF.
- Meets all fire and furniture regulations.
- Will absorb low end build up and remove standing waves.
- Will shorten reverberation time.
- Will remove clutter from the recordings.
- Will widen the soundstage and improve stereo imaging.
- Hard wearing colourfast cloth.
- Easy installation.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

This is the baby version of the Corner Sound Trap Panel. If your dedicated listening room is struggling for space but can't go without some bass trapping in the corners then these acoustic panels are the solution. Even though the panels are shorter in width the absorption of the panels is only reduced slightly giving you the performance you have come to expect from Advanced Acoustics

Instead of being 2ft wide these Mini Corner Panels are 16 ½" (420mm) wide and so only comes out by 12" (254mm) along the wall. This means if you have windows or a door up to the corner of the room there is more chance that the great acoustic panel will fit. The panels are still 4ft (1.2m) high so will have no problems trapping those troublesome standing waves and that harmful low end build up. Bass Traps are a necessity for any room and even more so in a room that is small or square or rectangular. That is why we have given you two bass trap options to better help your room improve acoustically, giving you added balanced you can't get by upgrading a set of cables

Only bass traps have the ability to absorb the low end frequencies. No other form of acoustic treatment comes close. Where music is to be enjoyed the listening environment has to be as close to the recording environment. Our Mini Corner Panels will help you on your way to achieving a room that works in line with your audio set-up expanding the sound stage and improving focus and emphasis exactly where it is needed. With out these bass traps installed in your listening room faultless listening surroundings will not the accomplished. The fabric conforms to BS EN 1021-1 1994 (cigarette) and BS EN 1021-2 1994 (match). The foam meets the requirements of Schedule 1, Part 1, of the Furniture and Furnishings (Fire) (Safety) Regulations, S.I. 1324 of 1988 (Amended 1989)(Amended 1993) for added peace of mind.

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Wall Sound Trap Panel

- 24" (610mm) by 48" (1220mm) acoustic panel.
- 2" (50mm) thick professional grade acoustic foam.
- Backed onto 6mm HDF.
- Meets all fire and furniture regulations.
- Will help to remove standing waves and room modes.
- Will shorten reverberation time.
- Will remove clutter from the recordings.
- Will widen the soundstage and improve stereo imaging.
- Hard wearing colourfast cloth.
- Easy installation.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

With a build quality that is second to none our Wall Sound Trap Panels are the first choice for the discerning listener. The panels are 2ft (610mm) by 4ft (1219mm) of high quality absorption. It is thanks to the professional grade acoustic foam, the specially selected open weave cloth and the low frequency absorbing hardboard that our panels perform so well. The 2” (50mm) acoustic foam is mounted on 6mm high density fibreboard to help keep the panels rigidity and also maintain low frequency absorption. This is then covered in either a cloth which is 100% high tenacity, anti-static polyester with a very high abrasion resistance of 100,000 rubs or a soft but durable linen cloth.

The fabric conforms to BS EN 1021-1 1994 (cigarette) and BS EN 1021-2 1994 (match). The foam meets the requirements of Schedule 1, Part 1, of the Furniture and Furnishings (Fire)(Safety) Regulations, S.I. 1324 of 1988 (Amended 1989)(Amended 1993) for added peace of mind.

The arrangement of the high grade acoustic foam, the bass absorbing HDF and the hard wearing but fantastic looking cloth brings together a panel that is without question the best sound wave absorbing panel on the market. Put these together with some Corner Sound Trap Panels and you will have yourself a room that sounds and looks like you have never heard or seen before. The bass response of the room is improved the reverberation and reflections are lightened to bring clarity to a room that before lacked precision and definition. These panels will improve and remove common problems such as room modes, long reverberation time, standing waves, reflections, low end build up and echo's. With absorption of 0.69 at 250 Hz these panels are not to be dismissed and with the combination of the Corner Sound Trap Panels you will have room that your peers will be jealous of. Mid and high frequencies are opened and you will hear perfectionism as never before. The low end will be given the extra boost needed to bring transparency to the room, a room that will look and sound a hundred times better than before. These panels are not expensive; don't let that put you off. These panels will be the best investment you can make for your dedicated listening room.

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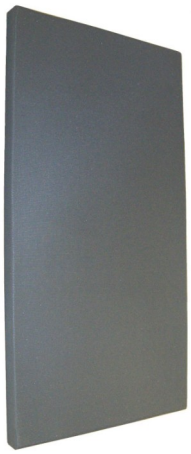
Corner Sound Trap Panel



24" (610mm) by 48" (1220mm) bass absorbing corner mounted acoustic panel.
- 4" (100mm) thick professional grade acoustic foam.
- Backed onto 6mm HDF.
- Meets all fire and furniture regulations.
- Will help to remove corner low end build up.
- Will shorten reverberation time.
- Will add definition at low end frequencies and remove standing waves.
- Will remove clutter from the recordings.
- Will widen the soundstage and improve stereo imaging.
- Hard wearing colourfast cloth.
- Easy installation.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

Our Corner Sound Trap Panels are the perfect compliment to our Wall Sound Trap Panel. Our Corner Sound Trap Panels are designed to take care of the low frequencies as well as the mid to high. They do this thanks to the construction of the panels and also thanks to the cavity behind the panels. The panels are 2ft (610mm) wide by 4ft (1219mm) high. The panel is made up of a massive 4” (100mm) of high quality acoustic foam, this is mounted on 6mm high density fibreboard to help keep the foams rigidity and also further improve low end absorption. The panel is then covered in an open weave fabric the same as our Wall Sound Trap Panels.

The fabric is a soft but very durable linen cloth. The fabric conforms to BS EN 1021-1 1994 (cigarette) and BS EN 1021-2 1994 (match). The foam meets the requirements of Schedule 1, Part 1, of the Furniture and Furnishings (Fire)(Safety) Regulations, S.I. 1324 of 1988 (Amended 1989)(Amended 1993) for added peace of mind. The combination of the professional grade acoustic foam, the bass absorbing HDF, the huge cavity behind the panel and the hard wearing but fantastically looking cloth brings you a panel that is undoubtedly the best performing and best looking panel on the market.

In terms of performance the panel has a high NRC and absorption at 50Hz is 0.76. Usually when you get performance from a panel like this and build quality like these Corner Sound Trap Panels the cost can be extremely high. However with Advanced Acoustics this certainly is NOT the case! Most dedicated listening rooms are not custom built. This can cause a lot of problems such as standing waves, a long reverberation time, low end build up, extreme room modes, reflections and echoes. Corner Sound Trap Panels help to combat all those problems mentioned above. The difference these panels can make to any room has to be heard to be believed. The end result will be a room that works with you not against you.

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Symphonic-R Acoustic Panel

- 2ft (610mm) by 4ft (1220mm) acoustic panel.
- Designed to be placed at the first reflection points to reduce room reverb and clutter.
- More efficient at opening up the soundstage and giving greater clarity in the room.
- 2" (50mm) thick and made up of a composite of materials of different densities to improve performance.
- More aesthetically pleasing thanks to it's new shape.
- Easy installation.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

In the world of acoustics density in King. But it takes more than just using the densest material you can find. You have to use materials that offer controlled absorption along the widest range of frequencies possible. Absorb too much of a specific band of frequencies and you create an unbalanced room.

At Advanced Acoustics we work tirelessly to come up with new acoustic treatment solutions that offer the best performance and room improvement whilst keeping product cost down. It is a tough balance to cling to but yet again we have developed a new range of panels which offer you the greatest amount of performance with minimal cost.

The new Symphonic Acoustic Panel Range and the natural successor to the Wall Sound Trap Panel and Corner Sound Trap Panel. The Symphonic panels are constructed from a composite of different materials which all offer different degrees of absorption. These layers of materials have been carefully chosen and configured to give you the exact results you require - perfect control over your room. The beauty of using panels constructed from materials of different densities such as we have used is that more of the lower frequencies are controlled without taking all the top and mid range life out of the room. Actually some of the mid and higher range frequencies are reflected back into the room to minimize the affect of an over-damped room, that's just how clever these panels are.

Basically speaking we have developed a way of absorbing a wider range of frequencies and do so in a more balanced and even way for less than the cost of any equipment upgrade.

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Symphonic-C Acoustic Panel

- 2ft (610mm) by 4ft (1220mm) acoustic panel.
- Designed to be placed in corners to soak up the build up of low frequency energy.
- 4" (100mm) thick and made up of a composite of materials of different densities.
- Improved control over troublesome low end energy.
- More efficient absorber.
- More aesthetically pleasing thanks to it's new shape.
- Easy installation.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

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Photophonic Acoustic Panel

- 24” (610mm) by 24” (610mm) or 24" (610mm) by 48" (1220mm) acoustic panel.
- 2" (50mm) thick professional grade acoustic foam.
- Backed onto 6mm HDF.
- Meets all fire and furniture regulations.
- Will help to remove corner low end build up.
- Will shorten reverberation time and cut down room modes.
- High definition screen printed panels.
- Will remove reflections and standing waves.
- Will remove clutter from the recordings.
- Will widen the soundstage and improve stereo imaging.
- Hard wearing colourfast cloth.
- Easy installation.
- Domestically acceptable acoustic treatment solutions.
- You send us the images you want printing.

Acoustic treatment has just gone artistic. Every room in which music is to be enjoyed or where a home cinema system is installed requires dedicated acoustic treatment. Without it the room will just have too much of a negative bearing on the perceived sound. This will result in loss of clarity and will make the equipment feel out of focus or cloudy. So acoustic treatment is a must, a necessity. At Advanced Acoustics we develop acoustic treatment solutions that are not only sonically enhancing but we also need to develop products which appeal to all types of audiophile or cinephile.

If you require acoustic treatment with a touch of something special then you need look no further. Presenting the Photophonic Panels. These panels are the same high quality construction as our Wall Sound Trap Panels which is professional grade open cell acoustic foam mounted to low frequency absorbing backing and covered in an open weave fabric. Plus with all the materials being fire retardant you can be assured of the highest quality along with the conformation to regulations.

The panels are 2ft (610mm) by 4ft (1219mm) and are 2 ¼” (57mm) thick overall. Simply send us a high quality digital image and we will check it for suitability and at no extra cost, as long as the image is acceptable, it will be screen printed onto the panel. By installing acoustic treatment in a room where music is to be enjoyed you will give your high fidelity equipment a chance to show you its true capabilities. You will experience a massively widened soundstage that before you could only dream about. Combine that with the heightened clarity and focus it is like putting on a pair of glasses. Details that before were lost due to the rooms bad influences can be clearly heard with everything brought into balance.

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Echo-Stick Acoustic Panel

- 12" (305mm) by 6" (150mm) thick acoustic panel.
- Available in 3 lengths; **24" (610mm)**, 36" (915mm) and 48" (1220mm).
- Backed onto 6mm HDF.
- Meets all fire and furniture regulations.
- Can be linked to create large panels or left separate for home cinema room treatment.
- Will shorten reverberation time.
- Will reduce harmful effects of room modes.
- Will remove reflections and standing waves.
- Will remove clutter from the recordings.
- Will widen the soundstage and improve stereo imaging.
- Hard wearing colourfast linen cloth.
- Easy installation.
- Domestically acceptable acoustic treatment solutions.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

This exciting range of acoustic treatment will change the way acoustic treatment looks and performs for the better forever. These acoustic panels are available in three sizes. They are all 12” (305mm) wide by 6” (158mm) thick but they are available 2ft (610mm), 3ft (915mm) and 4ft (1220mm) long.

Thanks to the fantastic design and shape of the acoustic panels the surface area of each panel in increased by over an extra 50% without taking any more space up on the wall. The larger surface area ensures that these acoustic panels trap more of those negative and disruptive sound waves and so they are more effective at removing flutter echoes and shortening the reverberation time of the room. The shape of the panels also means that they can absorb to lower frequencies than other flat acoustic panels making them even more effective. Mid range frequencies are stronger and longer the high frequencies. This means it takes a lot more foam to stop these mid range frequencies from reflecting back into the room. The thickness of the Echo-Stick panels means that now even the lower mid range frequencies are absorbed and restricted from influencing the direct sound emitting from the loudspeakers.

These panels can be installed either with the D-ring option or the mirror plate fixing depending on whether you require a permanent or temporary fixing. If you are installing the panels on the ceiling you will need the mirror plate fixing method. They can be installed as single panels across the walls of Home Cinema Rooms or they can be installed in clusters for your listening room. We also supply the hardwood links to connect two or three panels together. As well as being installed along the walls they can also be installed in the corners using our Acoustic Panel Stands which we have found to be very popular in conjunction with the rest of the acoustic panels we hand craft.

All of these panels are also hand crafted and have been fully tested to ensure that that these panels only make a positive improvement in you room. The panels are made using only professional grade acoustic foam and highest quality MDF. The panels are also finished in an open weave linen cloth which is durable and hardwearing but at the same time soft to the touch with the feel you would come to expect from our acoustic treatment solutions. There is a choice of 25 different colours so you are sure to have a colour that suits you decor. The acoustic treatment conforms to the fire furnishings regulations as do all of our products so you can be sure of the utmost safety for your home. These acoustic panels offer a new wave of acoustic treatment and once you hear the improvement these panels make you will wonder how you ever enjoyed music without them!

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Wall Orbis Acoustic Panel

- 5ft (1.5m) tall free standing acoustic panel.
- The range includes a corner panel and a wall panel.
- The Wall Orbis is 30" (77cm) wide and 6" (15cm) at it's thickest with a plinth slightly larger to ensure stability.
- The panels are constructed from 100% solid core open cell acoustic foam for balanced and controlled absorption along the whole frequency range.
- Attractive and contemporary acoustic treatment solutions.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

For a long time now we have been working hard to develop new and exciting products that are not only acoustically effective and efficient but also domestically acceptable. Our acoustic room treatment solutions have to serve the needs of both the audiophile and his tuned ears but also the interior designer and her keen eye. Well now all that hard work has paid off with the introduction of our new Orbis Acoustic Panel range. This new and exciting range of unique and innovative acoustic panels takes room treatment to the next level in terms of acoustic improvement and visible pleasure.

While the Hi-Fi community will do all they can to squeeze every last detail from their system with the use of expensive mains conditioners and glamorous cables many people still leave the most destructive component to it's own devices; the room itself. It is all good and well having the best reproductive components money can buy but if the room is not behaving at its best acoustically then all that hard work and investment causes the end result to fall short of that goal of perfect reproduction of live music.

Thankfully we recognize the fact that not everyone has the luxury of a dedicated music room, not everyone wants to or is able to spend a small fortune on acoustic treatment and not everyone wants their living room to look like a padded cell. So with all this in mind we continue to develop new, fresh and modern products which are affordable such as the new Orbis Acoustic Panel range.

There are currently two panels in the Orbis range, the Wall Orbis and the Corner Orbis. Both of the panels are free standing, complemented with plinths and stand at 5ft (1.5m) tall. We have continued to use our professional grade open cell acoustic foam and the soft but durable open weave linen cloth. It is thanks to the shape and resulting massive surface area and amount of premier quality foam used in each acoustic panel that makes them so effective while being blessed with fantastic looks. These panels are not made of wooden frames wrapped with inch thick foam but are solid core acoustic foam sculpted from fresh block foam using the latest technologies and methods. These panels are durable, non-irritant, visually effective, cost effective and acoustically effective. Plus thanks to their free standing design acoustic treatment no longer has to be a permanent feature of your living room but if you do wish to keep it in the room it wouldn't look out of place.

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Corner Orbis Acoustic Panel

- 5ft (1.5m) tall free standing acoustic panel.
- The range includes a corner panel and a wall panel.
- The Corner Orbis is 18" (46cm) wide and 12" (31cm)deep with the plinth being a 'teardrop' shape to fit into the corner.
- The panels are constructed from 100% solid core open cell acoustic foam for balanced and controlled absorption along the whole frequency range.
- Attractive and contemporary acoustic treatment solutions.
- Discreet acoustic treatment solutions.
- Available in 25 different linen colours.

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Signature Acoustic Panel

- 30" (762mm) by 72" (1829mm) free standing acoustic panel.
- 6" (150mm) thick professional grade acoustic foam.
- Also incorporates a limp mass absorber for increased low end absorption.
-Meets all fire and furniture regulations.
- Will help to remove corner low end build up and also treat first reflection points extremely effectively.
- Will shorten reverberation time.
- Will add definition at low end frequencies and remove standing waves.
- Will remove clutter from the recordings.
- Will widen the soundstage and improve stereo imaging.
- Hard wearing colourfast fabric.
- Comes with it's own free standing plinth.
- The pinnacle of acoustic treatment design.
- Available in 25 different linen colours.

At last there is a product that will complement your high-end audio equipment. A panel that will totally eradicate the first reflection. A product that will add definition to a piece of music like you have never heard before. If you currently have no acoustic treatment installed in your listening room not doubt you are suffering from standing waves, reflections off the side walls, back wall, ceiling, basically every surface in the room.

While any furniture you have in the room will deaden the room a little it will not be as effective as dedicated acoustic treatment. When anyone mentions acoustic treatment it usually means grey foam dotted around the room making it look like a studio, then the foam going discoloured and within a year not looking its best. Well now that is a thing of the past.

We have introduced the Signature acoustic panel. It is a first reflection neutralizing module. With the panels great looks, it's very sturdy build quality and superb performance that can't be outdone these panels will decimate the first reflection and radically cut down the low end build up that occurs in the corners of the room. With the installation of just 6 of these high definition producing panels you will create an environment that complements your high fidelity equipment and complements the room they are installed in aesthetically.

Also to keep your mind at ease the fabric conforms to BS5852 Part 1 Cigarette and Match Test and the foam meets the requirements of Schedule 1, Part 1, of the Furniture and Furnishings (Fire)(Safety) Regulations, S.I. 1324 of 1988 (Amended 1989)(Amended 1993). Standing at 6ft (1.8m) high and 2 1/2ft (0.76m) wide these acoustic panels are guaranteed to be an eye catcher as well as a sound wave catcher.

Don't let your room be the weak link in your audio system. Give it the help it needs to work at it's best for you. Only acoustic treatment will make the improvements necessary to remove colourations and muddiness. Only acoustic treatment will add definition, and precision to a room that really needs it. Only Signature panels will make the difference needed to add focus. Only Signature panels will do.

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17/25 QRD Diffuser

While absorption is vital for any room which is going to be used for listening to music an area that can't be ignored is diffusion. The purpose of absorption is to reduce the amount of reflections being bounced back into a room to reduce the reverberation time in a room. Diffusion is the even spreading of sound waves from a direct source. So if you have a small space diffusion can give the idea of a room being larger than it actually is by providing increased natural ambience. By having no absorption or diffusion installed in a space speech intelligibility is reduced and sound quality is degraded and while absorbent materials will help a great deal in solving that dedicated well designed diffusion such as our QRD Diffuser 17/25 will be much more effective.

The key though is to diffuse evenly both in terms of frequency range and also in terms of distribution and coverage. So a well designed diffuser is vital to getting the right results for your room. It needs to have deep enough wells to diffuse mid to low frequencies, not so deep its size is impractical. It has to have the correct width wells to avoid viscous losses but still maintain high frequency diffusion. It needs to be a cost effective solution but constructed from durable materials and it needs to be suitable for use in commercial and domestic applications. As you would expect from Advanced Acoustics we make sure all our products are well designed and this product is no different. It has been in development for 2 years and we have spent that last 8 months perfecting the finish and quality to ensure it meets with our high standards.

At the moment we have the one diffuser but over time we will be adding more diffusers. This QRD Diffuser 17/25 is a 17 root diffuser design with well widths of 25mm and deepest well depth of 275mm. It scatters from 275Hz and diffuses from 590Hz up to 6880Hz. It has a minimum operating distance of 1.75m from listening position.

Our QRD Diffuser 17/25 offers even diffusion of sound waves and the construction of them means they can be stacked on top of each other in mixed vertical and horizontal orientations to achieve not just hemidisc diffusion but also hemispherical diffusion.

The QRD Diffuser 17/25 is 605mm by 605mm by 285mm deep. Each unit weighs 28kg showing its solid build construction. The QRD Diffuser 17/25 is finished in Black Though-Colour MDF but this can be painted if desired.

The QRD Diffuser 17/25 can be placed in the rear wall to diffuse the sound reflecting back into the room to make the room sound larger and give it greater air. They can be placed at first reflection points to dilute the concentration of the direct sound, reduce flutter echo and so widen the soundstage and improve sound quality.

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Why You Need Acoustic Treatment

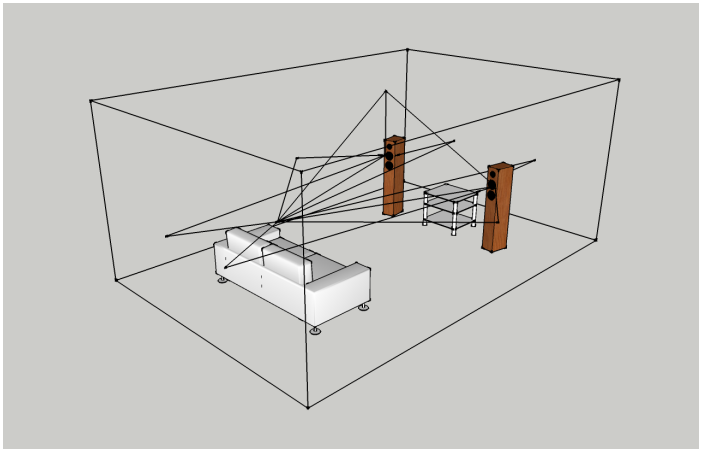
So you have your ideal set-up. You have your high-fidelity speakers set in their optimum position. You have your listening position just right. But there's a problem. It just doesn't sound like it did in the demo room. There are many things you might try to improve on your system, cables or isolation stands for your equipment for example. You might spend hundreds of pounds on new speaker cables but can the difference really be heard?

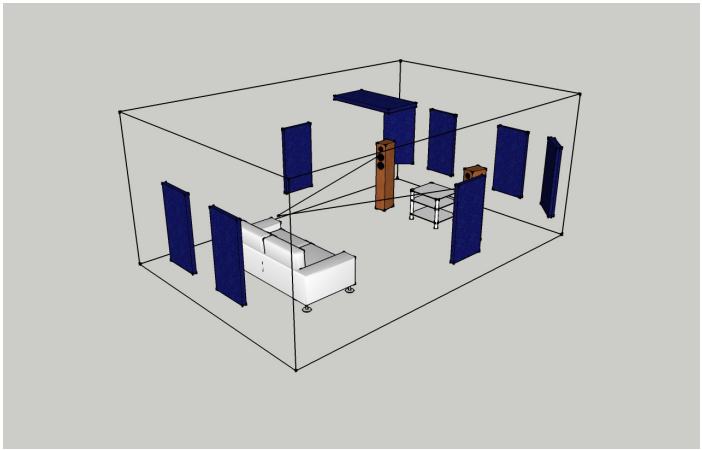
The only way you are going to be able to actually add focus to your system and improve clarity is by making your listening room in tune. No doubt the room your high-end audio equipment is installed in was not specifically designed for listening to music. If the room has parallel walls, if the room is square or rectangular you are going to suffer from room modes. Room modes are frequencies at which sound waves in a room resonate, based on the room dimensions. The acoustic modes will "colour" the sound, ie. enhance certain frequencies and dull others. This will in turn create peaks and troughs. These can be as much as 6dB in difference which is a discernable change.

In a room there are many surfaces that reflect sound. This will clutter and colour the music you listen to and make it sound clouded and distorted. There will be the direct sound from your speaker and after that there will be indirect sound starting from the speakers and reflecting on the walls, the ceiling and even the floor and finally reaching you. The most influential reflection is called the first reflection. This is at the mirror point between you and the speakers. The reflection points are on the side walls, the ceiling and the floor. It is called the first reflection because after the direct sound it is the next sound you hear, like an echo.

You need to take the room out of the picture and stop the effects of the room from having a negative effect on the quality and enjoyment of the listening experience. It is not until the room is working to its optimum will your audio equipment perform to its full potential. The only acceptable, truly proficient and cost effective solution is the ***high end audio solution*** offered here at Advanced Acoustics. It has been said that High-End Audio equipment is only as good as its weakest link. Have you thought that your room could be that weak link?

Below are two images showing in very simple form basic sound waves, the image on the left shows no acoustic treatment and lots of clutter from bouncing sound waves. The image on right shows the correct amount of acoustic treatment, with no clutter just the direct sound from the speakers with no detrimental room interferences.





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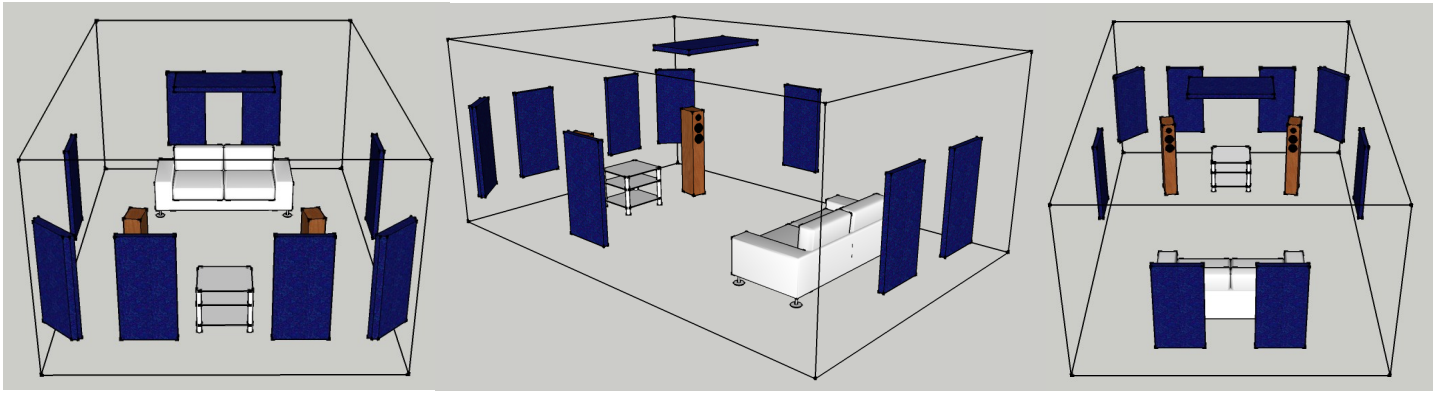
What Acoustic Treatment Do You Need?

Thanks to Advanced Acoustics getting the right acoustic treatment for your room is quite simple. We have developed a solution that drastically improves the definition of the music you want to enjoy. One client commented that after the installation of our acoustic treatment it is like they "have put on a pair of glasses". The room focuses its attention to you the listener, directing the sound to you.

For any music room to work well you need to get it close to the environment the music was created in. However, we need to achieve a fine balance between a room that sounds good but doesn't look like a studio and also a room that is accurate but still has life remaining in it. That is where the acoustic panels come in. They are both aesthetically pleasing and true performers. To treat an average sized room usually 5 acoustic panels are required along with some bass trapping. We mentioned earlier in "Why You Need Acoustic Treatment" the first reflection points. These are the side walls, front wall and the ceiling. We would install one panel per reflection point. For the floor we would recommend you lay a thick heavy rug if you have a wooden or hard floor currently installed. We also treat the wall behind the listening position to cut down the reflection from the speakers to the back wall then on to the hearer's ears. The panels are usually installed 2ft (0.6m) from the floor on the side walls and on the back wall they are placed a little higher if possible

Also for the average sized room 2 bass absorbing panels are needed. These panels will go behind the speakers roughly 2ft (0.6m) from the floor if possible. Basically you want the panels to be about the same height as the speaker. If the room is really struggling with problems such as low end build up then we would also suggest that a panel is installed in the two corners behind the listening position. We have to bear in mind that every room is different. We use the above suggestions as a rule or a guide. However, at times the rules may need to be adjusted or modified. The size of room, shape, furniture in the room, and any other uses the room may have all have a bearing on what can be installed in the room.

Our aim is to create you a room that complements the system you have and not work against it. Filling the room with acoustic panel is not the answer, this would be overly excessive and 'life' is lost from the room. However, a few panels in the right place achieves the perfect balance.



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Where Do You Need To Place Your Acoustic Treatment?

Acoustic treatment can either make or break the perfect listening environment. If the panels are positioned incorrectly the sound stage can be shrunk and that is most certainly something you want to stay away from. However, installation of the panels in the correct place will make such a huge improvement you will wonder how you ever enjoyed you music before they were installed. Below is a sketch of the best placement of acoustic panels in an ideal set-up. As every room is different sometimes adjustments have to be made. If you are unsure about where to best place acoustic panels in your listening room then simply contact us and we will discuss the options open to you. We will always listen what your needs are and we will be able to arrange a system that both works for you and works for your room. You can contact us either by email or by calling us on +44 (0) 1623 643609.

The height at which the acoustic panel is installed is also extremely important. If the panel is too high or too low then it will not be positioned at it's optimum for absorbing the first reflection sound waves. You need to draw an imaginary line from the top driver unit to where your head is and from the bottom driver unit to where your head is.

Our acoustic panels are unbelievably easy to install, both the wall mounted panels and the corner mounted panels. There are two fixing methods available. The first and most popular option is the use of D-rings. By choosing D-rings all you need to complete the installation are picture hooks. They literally take minutes to install and before long you will be listening to the fruits of your short labour and at last hearing exactly what your Hi-Fi and artist has to tell you. The option of D-rings is available for both the wall mounted panels and the corner mounted panels. The wall mounted panels such as the Wall Sound Trap Panel and the Photophonic panel also has the option of being landscape or portrait orientation depending on what is required. If you require panels that can be easily removed or want to room that can be adjusted for different uses then this method is the most practical. There is no mess when installing the panels. All you need is a measuring tape, a hammer and some picture hooks.

The second option is the use of brass mirror plates. There are four plates per panel and this method of fixing makes your panels securely fixed to the wall or ceiling. The method takes a little longer in comparison to the D-ring option but if your acoustic treatment needs to be securely fastened to the wall or ceiling then this is the best option. There is no risk of the panels being knocked or falling damaging furniture or equipment. All you need to install these panels is a hammer action drill, measuring tape and suitable fixings whether they are plasterboard plugs or brick plugs. The removing of the panels is also simple. If you were to move house or change the use of the room you can take the panels with you.