

# SUONO



## The SUONO 600SD SPATIAL DIFFUSER The LEFT, CENTRE, RIGHT LOUDSPEAKER

Please take a few moments to read this booklet before setting up your new loudspeakers. In addition to the advice it contains you may want to discuss the installation with your reseller who will be able to assist you in achieving optimal performance. Alternatively, feel free to contact us directly with any queries you may have. We at Angstrom are first and foremost music lovers. However, we do appreciate that the solutions to achieving high quality music reproduction in the home, aesthetically, are often less than satisfactory. Nowhere is this more apparent than in the physical design of loudspeakers which can often be difficult to integrate within carefully chosen decorative schemes.

*SUONO loudspeakers are different.* Care has been taken to make them as unobtrusive as possible while retaining the musical qualities that have earned Angstrom an enviable reputation over the past twenty five years.

The SUONO series features twin bass drive units for improved power handling; vital in Home Theatre applications and new fabric dome tweeters. These are housed in substantially built MDF cabinets only 7cm. deep.

*The 600SD is a very different loudspeaker that as a matched pair work as both the left and right channel and the centre channel loudspeaker in a home theatre configuration. This design eliminates the need for a separate 'centre channel' loudspeaker. The effect is a STEREOPHONIC CENTRE CHANNEL optimized with offset and side firing tweeters. The drivers are positioned to ensure a true spatial effect providing articulate voicing and a panoramic sound stage.*

## Unpacking

In the carton you will find: 1 pair of SUONO 600SD loudspeakers and 2 wall brackets. We suggest you keep all the packaging for safe transport of your loudspeakers in future. Always re-pack the them front to front in the carton to avoid damaging the grille cloth.

## Connections for the 600SD

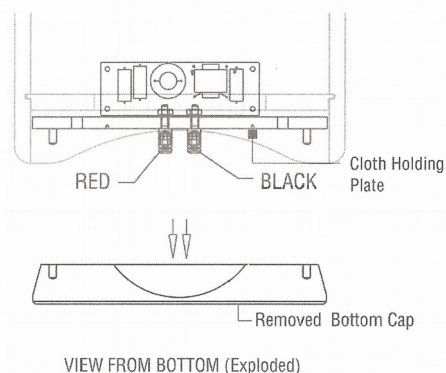
Before making any connections, please remove the Bottom Cap and Top Cap (the Bottom is shown in the adjacent diagram as a guide) by pulling out the cap.

Connect the left and right channel outputs of an A/V amplifier/receiver to the bottom inputs on the 600SD. Connect the “+” (red) and “-“ (black) side of each channel to the “+ “ and “-“ loudspeaker terminals.

The Top connections on the SUONO 600SD are the Centre Channel inputs. Connect the centre channel output of the A/V amplifier/receiver to both SUONO 600SD inputs. You will need two cables for this.

Effectively you are creating a Stereophonic Centre Channel. Connect the left and right lengths of the cable to the Top Red + and Black – terminals of each 600SD. The SUONO 600SD may be used in a multi channel or stereo configuration. Please refer to the wiring diagrams for your installation.

Replace the Top and Bottom Caps securely after making the connections. Use good quality cable.



## Positioning of the 600SD

SUONO loudspeakers have been designed for use on or near walls to blend into normal domestic surroundings. Their performance has been optimized for a natural well-controlled bass response in such locations. Unlike other loudspeakers, many of which are designed to be used well out into the room, SUONO 600SD loudspeakers may often be located to advantage close to room corners, particularly in large rooms. However, all rooms differ and there are no hard and fast rules. If possible, experience with positioning before drilling holes in the wall.

The 600SD may be used with equal success hung on the wall or placed on a credenza or video stand with the optional Proprietary Plinths → ASK YOUR RESELLER FOR DETAILS

## Placement hints

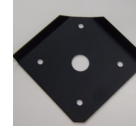
Set the loudspeakers 2 -3 meters (7 – 10ft) apart. Listen equidistant from them if possible. If they are wall mounted, try to keep the loudspeakers edge at least 60 cm (2 ft) from the corners. Try and have the loudspeaker positioned so that, when listening, your ears would be at the same height as the middle of the loudspeaker. Don't obstruct the loudspeakers with furniture / curtains etc.

## Wall Mounting

The SUONO 600SD must be placed vertically. There is a LEFT loudspeaker and a RIGHT loudspeaker and so noted on the back mounting bracket. Make sure you mount the loudspeakers correctly.

All SUONO loudspeakers are packed with two part wall brackets. The loudspeaker part is already in place on the back of the loudspeaker. All you have to do is fix the other part of the bracket to the wall.

Securely fix the wall bracket to the wall, with the folded flaps to the top. Make sure it is straight and level. Use hardware appropriate for your wall construction. The bracket holes are over-sized to allow some adjustment on the wall. This is easiest if washers are used under the screw heads. For maximum security we recommend using all four fixing holes provided in the wall bracket. Fix the bracket and adjust it using two screws. Then drill for the other two once it is firmly in place.



Hang the loudspeaker by lowering it onto the wall bracket so that the folded edges mesh. The loudspeaker is coupled to the wall via the triangular spike at the bottom of the loudspeaker bracket. The wall bracket makes the loudspeaker stand off from the wall by about 9mm. This allows cables to be dressed, and accommodates walls which are not flat.

If the loudspeaker is not quite straight, the wall bracket should be adjusted by loosening the re-tightening the fixing screws and washers. If there is not enough play available, further adjustment can be made by loosening and moving the plate on the back of the loudspeaker. Follow the instructions on horizontal mounting.

## Your System

While costly hi-fi components will achieve their potential with SUONO loudspeakers, remarkable results can also be obtained with the Home Theatre in a Box based systems. SUONO loudspeakers are easy to drive, ideal for amplifiers from 10W per channel upwards. Although the maximum volume is reduced with small amplifiers, they will still give satisfying sound. In general, more powerful amplifiers improve the sound by allowing greater headroom for musical peaks. Additional low frequency information can be reproduced by using any of Angstrom's active low frequency transducer (subwoofers).

## Running in

The SUONO loudspeakers sound their best after a running in period. Bass increases during running in, and both total balance and smoothness improve as the woofer suspension loosens up. Five to ten hours use at reasonable levels will accomplish this, although the loudspeakers continue to improve for up to 30 hours before stabilizing. Avoid critical listening before running in, as the loudspeakers were "voiced" for the correct tonal balance after running in.

Having problems? Please give us a call or send an e-mail. We are here to help and love to listen.

THERE IS NO SOUND BARRIER™



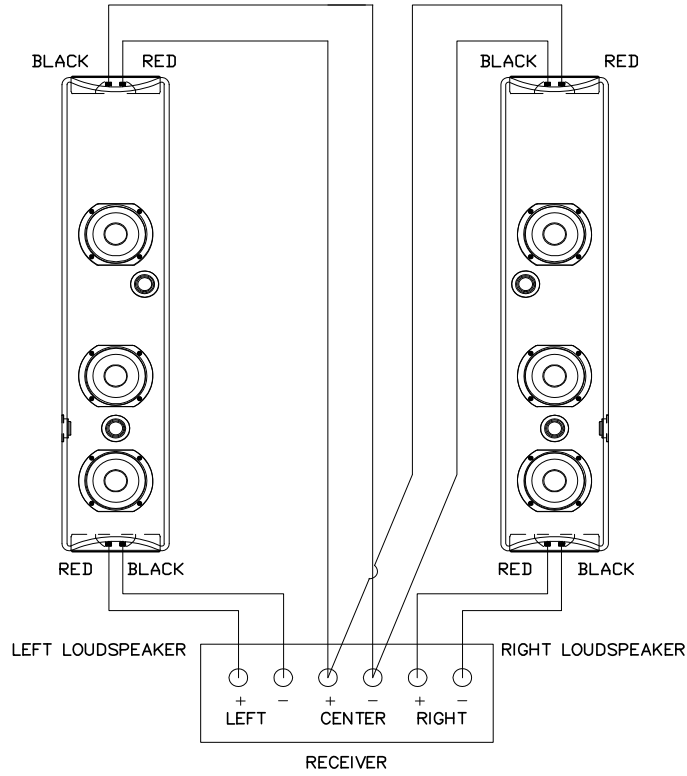
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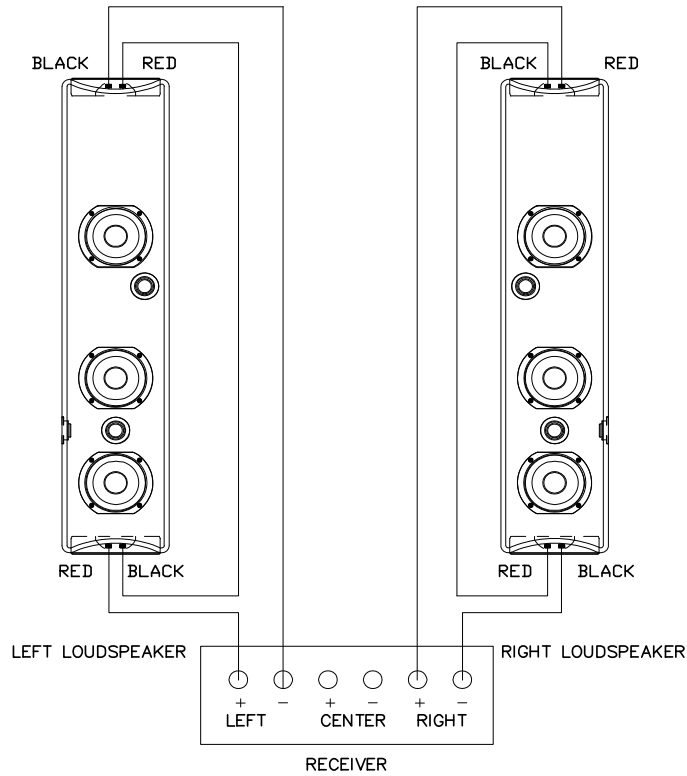
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SUONO 600SD  
3 CHANNEL/5.1 CHANNEL SYSTEM  
WIRING DIAGRAM



STEREO SYSTEM  
WIRING DIAGRAM



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ANGSTROM SUONO OPERATING INSTRUCTIONS