



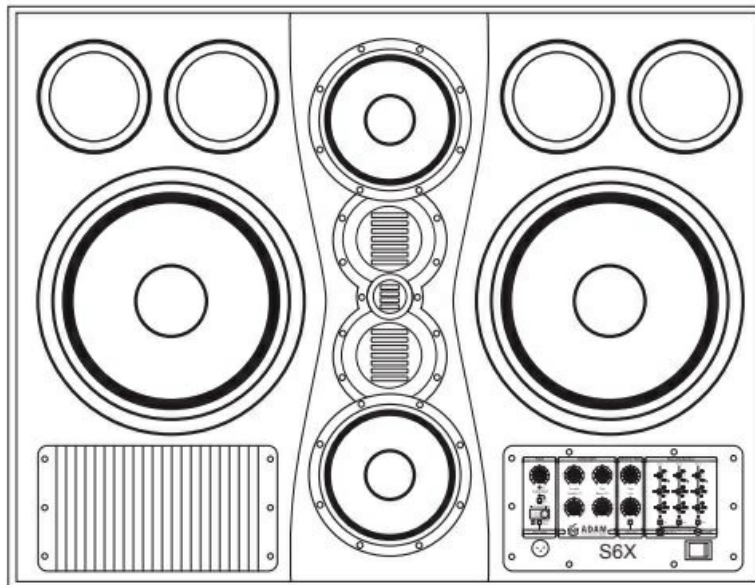
ADAM AUDIO S6X 4 way Powered Main Studio Monitor User Manual

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ADAM AUDIO S6X 4 way Powered Main
Studio Monitor User Manual


S6X



Operation Manual





Safety Instructions


Please read the following safety instructions before setting up your system. Keep the instructions for further reference. Please heed the warnings and follow the instructions.


	<p>Caution</p> <p>Risk of electrical shock Do not open</p> <p>Risque de shock électrique Ne pas ouvrir</p>	
<p>CAUTION: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT REMOVE BACK COVER OR ANY OTHER PART. NO USER-SERVICABLE PARTS INSIDE. DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE. REFER SERVICING TO QUALIFIED PERSONNEL.</p>		


<p>Explanation of Graphical Symbols</p>	
	<p>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>
	<p>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>


 **Caution: To reduce the risk of electric shock, do not open the loudspeaker. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.**


 This product, as well as all attached extension cords, must be terminated with an earth ground three-conductor AC mains power cord like the one supplied with the product. To prevent shock hazard, all three components must always be used.

 Never replace any fuse with a value or type other than those specified. Never bypass any fuse.

 Always switch off your entire system before connecting or disconnecting any cables, or when cleaning any components.

 Do not place this unit on an unstable cart, stand or tripod, bracket or table. The unit may fall, causing serious injury and/or serious damage. When cart is used, use caution when moving the cart/apparatus combination.

 Do not expose this product to rain or moisture, never wet the inside with any liquid and never pour or spill liquids directly onto this unit. Please do not put any objects filled with liquids (e.g. vases, etc.) onto the speaker.

 Check if the specified voltage matches the voltage of the power supply you use. If this is not the case do not connect the loudspeakers to a power source! Please contact your local dealer or national distributor.



Protect the cord from being walked on or pinched.



Always use fully checked cables. Defective cables can harm your speakers. They are a common source for any kind of noise, hum, crackling etc.



Always keep electrical equipment out of the reach of children.



Always unplug sensitive electronic equipment during lightning storms.



The monitor should be installed near the socket outlet and disconnection of the device should be easily accessible.



To completely disconnect from AC mains, disconnect the power supply from the AC receptacle. Never use flammable or combustible chemicals for cleaning audio components.



Avoid touching the speaker membranes and do not block the woofer's ventilation ports.



Never expose this product to extremely high or low temperatures. Never operate this product in an explosive atmosphere.



High SPL's may damage your hearing! Please do not get close to the loudspeakers when using them at high volumes.



Please note that the diaphragms build up a magnetic field. Do not ply with magnetic items at close range to the diaphragms.



Assure free airflow behind the speakers to maintain sufficient cooling.

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1. Introduction

Dear customer,

Thank you for choosing the ADAM Audio S6X mainfield monitor.

ADAM loudspeakers are built for maximum quality reproduction and audio perfection. Our speakers of the SX series are precise, high-resolution speaker systems which meet highest expectations in sound quality and craftsmanship.

The S6X is suitable for main monitoring. It is an ideal tool for no-compromise sound reproduction in all larger environments.

The S6X is a four-way ported active system that uses the new X-ART tweeter and an X-ART midrange speaker, ensuring full compatibility with the latest expanded high frequency resolution media formats plus four HexaCone®-bass/midrange drivers. Each one of the drivers uses an individual PWM amp with continuous output of up to 500 Watts (RMS) for the subwoofer channels and 250 Watts (RMS) for the Treble- and midrange drivers.

This manual is intended to provide you with information about your new ADAMs. It contains important information regarding safety, setting up, handling, and warranty. We request that you read these sections carefully to ensure easy set up and prevent potential problems.

If you have any questions about this or any of our products, please don't hesitate to contact us we will be happy to assist you.

For detailed information concerning ADAM's technologies and products, complete reviews, and a list of worldwide ADAM users and studios, please visit our website: www.adam-audio.com You are invited to share your experience with our products by joining us on Facebook and also, if you don't want to miss out on the latest info on ADAM Professional Audio, come and follow us on Twitter!

We hope very much that you really enjoy your new loudspeakers, and wish you many delightful hours with them.

The ADAM Audio Team

2. Quick Start

2.1 Important Information for set up

After having unpacked your loudspeaker, please allow the system to acclimate to the temperature of the room for approximately an hour. We recommend using high quality cables to guarantee optimal performance. It is important to ensure the speakers sit firmly on a solid surface! We recommend that you retain the original packaging, as it is the best way to guarantee safe transportation should the need to do so arise. Please note that the loudspeakers will take some break-in time to achieve optimum sonic performance.

2.2 Connecting the speakers

- a) Before connecting the loudspeakers to your audio components and the power source make sure that both the loudspeakers and your audio source are switched off and set the level controls fully counterclockwise.
- b) Connect the loudspeakers with your audio source by using XLR cables. The male plug goes into the loudspeaker, the female plug into your audio component.
- c) Check if the specified voltage matches the voltage of the power supply you use. If this is not the case do not connect the loudspeakers to a power source! Please contact your local dealer or national distributor. If the voltages match, use the included power cables to connect the loudspeaker to the AC sockets.
- d) Switch on the main on/off switch on the front panel of the loudspeaker.
- e) Make sure that the line out level (volume) of your stereo is either at a low level or all the way off. Then, switch on your audio system.
- f) Turn on your source of music and adjust the volume carefully.

3. Speaker Placement

3.1 General recommendations

Please make sure that there are no obstacles in the way from the monitor to your ears. You should be able to see the speakers completely.

The distance to the surrounding walls should be at least 40 cm to avoid early reflections, which will degrade the sound.

The loudspeakers should be aligned with the listener's position.

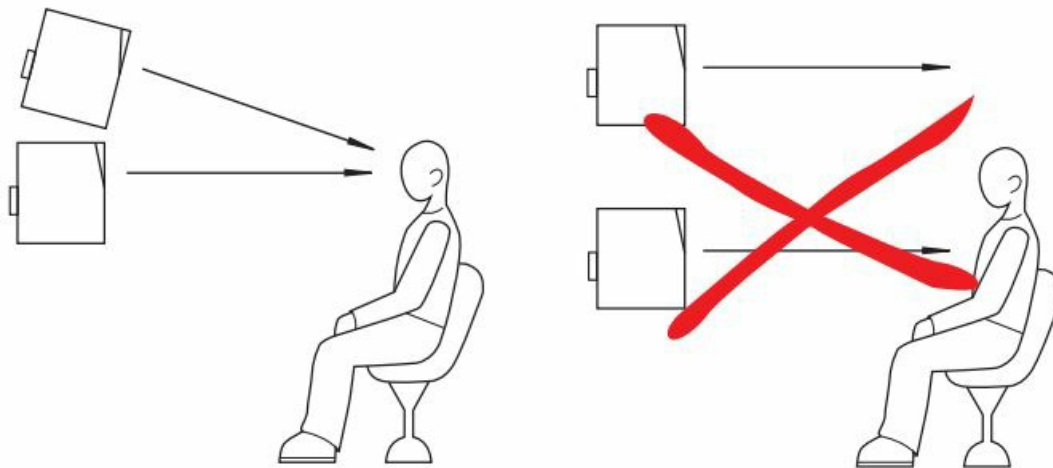
Please note that vibrating parts of nearby objects can mask the sound.

Mechanical adjustments: If you plan to modify the speaker cabinet (e.g. drilling holes), please contact us before doing so. Usually, we will handle your warranty obliging.

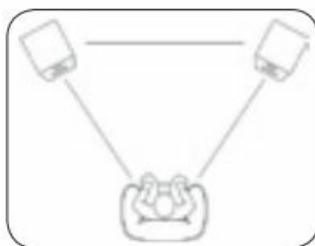
3.2 Tweeter at the height of ears

The Tweeter should be positioned approximately at the height of your ears. If the speaker does not point right in your direction, you might lose sound information.

In case you need to position the speaker in a significant lower or higher position, the monitor should be angled accordingly.

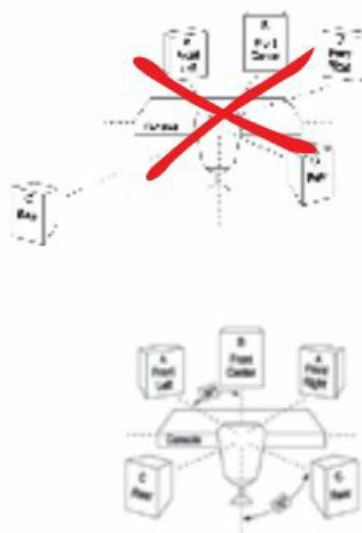


3.3 The Stereo Triangle



If the loudspeaker is going to be used for stereo applications, the optimum listening position should be at the top of an imaginary equilateral triangle with the two loudspeakers should be placed at the other two points of this triangle. The loudspeakers should be aligned with the listener's position.

3.4 Surround Placement

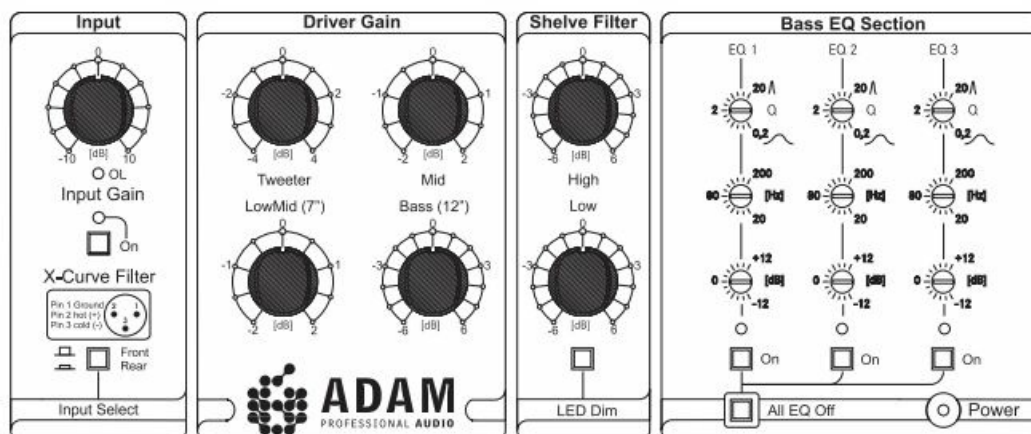


Speaker positioning for multi-channel stereo purposes is ideally based on a circle with speakers placed at 0° (Center), 30° (Front Right), 110° (Rear Right), 250° (Rear Left), 330° (Front Left), with the listener being the circle's center (Radius between 0.7-2.0 m). This ITU recommended configuration may vary depending on the purpose of the control room (music or film). However, it is recommended to create a symmetrical listening position with the front side and surround speaker pointing to the listener's ear. The distance to the surrounding walls should be at least 40 cm to avoid early reflections, which can degrade the sound.

4. Speaker Adjustment

4.1 The front control panel

On the front you will find a new, highly sophisticated control panel that allows detailed fine-tuning of your loudspeakers to your particular room acoustics and personal listening preferences. The following tips are intended to assist you at using the controls in the best manner.



⚠ Please note that using the controls may have a great impact on the overall sound characteristics of your loudspeakers. We recommend using the controls with utmost care and only after several audio tests with familiar recordings.

4.2 Input Gain



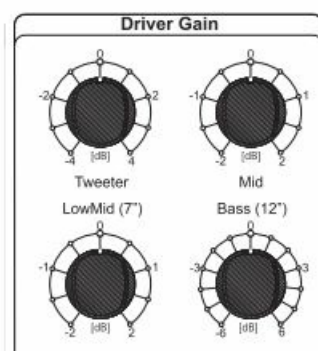
'Input Gain' regulates the overall input sensitivity of your loudspeaker within a range of -10 to +10 dB, and controls the volume of your loudspeaker equally in all frequency ranges.

4.3 X-Curve Filter



In large film score mixing rooms, it may be desirable to have a representation of what the sound is like in movie theatres. To meet the ISO 2969 Standard, the Dolby™ X-curve has to be applied. The X-curve engages a 3 dB per octave roll-off above 2 kHz. The S6X has a switch located below the input selector that activates this filter, eliminating the need for external processing during film score mixing sessions.

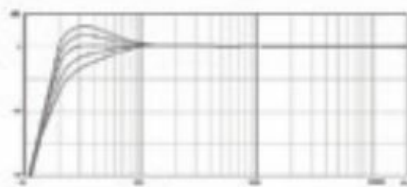
4.4 Driver Gain



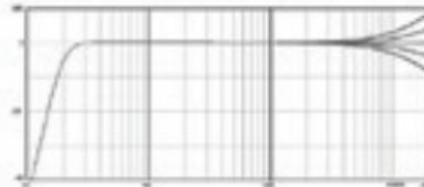
Whereas the 'Input Gain' raises or lowers the overall input sensitivity up to +/-10 dB, the 'Driver Gains' work only within the corresponding frequency range, raising or lowering from +/-2 to +/-6 dB.

4.5 High / Low Shelf EQs

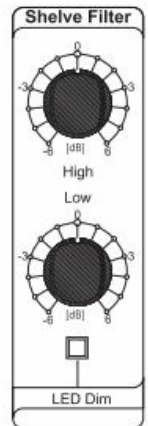
The other two controls operate in a different manner. The 'High' and 'Low' controls are shelving filters that progressively lower or raise frequencies below 150 Hz / above 6 kHz up to 6 dB (see Fig.).



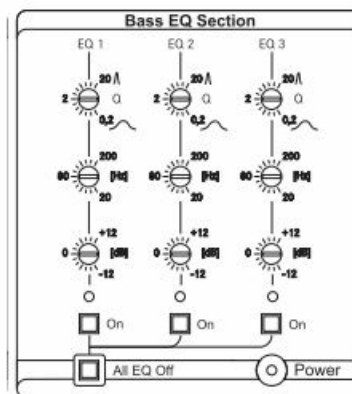
Room EQ <150 Hz for low frequencies below 150 Hz



Room EQ >6 kHz for high frequencies above 6 kHz

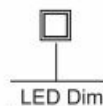


4.6 Bass EQ Section



There are three fully parametric EQs (20 Hz to 200 Hz) that can be used to combat standing waves in the control room. The EQs can be bypassed individually or as a group so that their overall effect can be analysed in direct comparison to the unaffected signal.

4.7 LED Dim



All LED indicators can be dimmed if necessary by pressing the 'LED Dim' button.

5. Troubleshooting

All ADAM products are designed and manufactured to the highest quality standards. However, if any problems with your speaker occur, we recommend to proceed as follows:

5.1 Problem: The LED shows normal operation (green) but there is either no or only a distorted audio signal. If both (all) speakers are affected, the reason can probably be found within the signal path. If only one speaker is affected, the problem will probably be within this speaker.

- Check the wiring. Is the cable defective? Are all cables connected correctly?
- Check the signal path. Interchange the cables of both loudspeakers. Does the problem change with one of the cables?

Connect the monitor as directly to the signal source as possible (please mind the volume!). Is another part of the signal path (e.g. mixer, subwoofer) defective?

If the answer to all these questions is `no`, the problem is being caused by the loudspeaker with the utmost probability. If the answer to at least one of these questions is `yes`, there will probably be another defective device within the signal path.

5.2 Problem: You hear parasitic noises (like humming, buzzing, soughing, cracking).

Please disconnect the signal cables.

If the noises disappear, check the signal path. If the noises can still be heard, check for other electrical devices close to the speakers (mobile phones, switching power supplies, etc.). If there is no interfering device the speaker will probably cause the problem.

6. Maintenance



Please switch the loudspeaker off before cleaning!



Please note that the diaphragms build up a magnetic field. Do not ply with magnetic items at close range to the diaphragms.



Please make sure that no liquids get inside the cabinet. Do not spray any fluids on the speaker. Do not use a wet cloth for cleaning.



Do not use flammable or acidic chemicals for cleaning.



Do not touch the membranes of the loudspeakers.



We recommend using a lint-free, damp cloth for cleaning.
The loudspeaker membranes may be dusted using a very soft brush.

7. Shipping / Packaging

In case you have to send your speakers to any other location, it is of vital importance that you use the original packaging materials. Experience has shown that it is very difficult to avoid damage if you have to send them without these. ADAM Audio can not be held responsible for damages due to improper packaging. If a transport is necessary and the original shipping carton is not available, a new one can be purchased from ADAM Audio.

8. Environmental Information

All ADAM products comply with international directives on the Restriction of Hazardous Substances (RoHS) in electrical / electronical equipment and the disposal of Waste Electrical / Electronic Equipment (WEEE). For disposal, please consult your local authorities for further information.

9. EU Declaration of Conformity

We,

ADAM Audio GmbH

whose registered office is situated at

REduedroswtre.r1C6,h1a2u0ss5e9eB5e0r,li1n2,4G8e9rmBearnlyin, Germany

declare under our sole responsibility that the product:

S6X

complies with the EU Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC, in pursuance of which the following standards have been applied:



EN 61000-6-1 : 2001 EN 61000-6-3 : 2001 EN 55020 : 2002 EN 55013 : 2001

and complies with the EU General Product Safety 2001/95/EC, in pursuance of which the following standard has been applied:

EN 60065 : 2002.

This declaration attests that the manufacturing process quality control and product documentation accord with the need to assure continued compliance.

The attention of the user is drawn to any special measures regarding the use of this equipment that may be detailed in the owner's manual.

Christian Hellinger

Managing Director ADAM Audio GmbH

10. Warranty

ADAM Audio GmbH provides a five year limited warranty for this product.

10.1 Terms and Conditions

This warranty is limited to the repair of the equipment or, if necessary, the replacement of parts or the product and return shipping within the country of purchase. This warranty complements any national/regional law obligations of dealers or national distributors and does not affect your statutory rights as a customer. Neither other transportation, nor any other costs, nor any risk for removal, transportation and installation of products is covered by this warranty. Products whose serial number have been altered, deleted, removed or made illegible are excluded from this warranty.

The warranty will not be applicable in cases other than defects in materials and/or workmanship at the time of purchase and will not be applicable:

- a) for damages caused by incorrect installation, connection or packing,
- b) for damages caused by any use other than correct use described in the user manual,
- c) for damages caused by faulty or unsuitable ancillary equipment,
- d) if repairs or modifications have been executed by an unauthorized person,
- e) for damages caused by accidents, lightning, water, fire heat, public disturbances or any other cause beyond the reasonable control of ADAM Audio.

10.2 How to claim repairs under warranty

Should service be required, please contact the ADAM Audio dealer where the product has been purchased.

If the equipment is being used outside the country of purchase, the international shipping costs have to be paid for by the owner of the product. Service may be supplied by your ADAM Audio national distributor in the country of residence. In this case, the service costs have to be paid for by the owner of the product whereas the costs for parts to be repaired or replaced are free of charge. Please visit our website to get the contact details of your local distributor.

To validate your warranty, you will need a copy of your original sales invoice with the date of purchase.

11. Technical Data

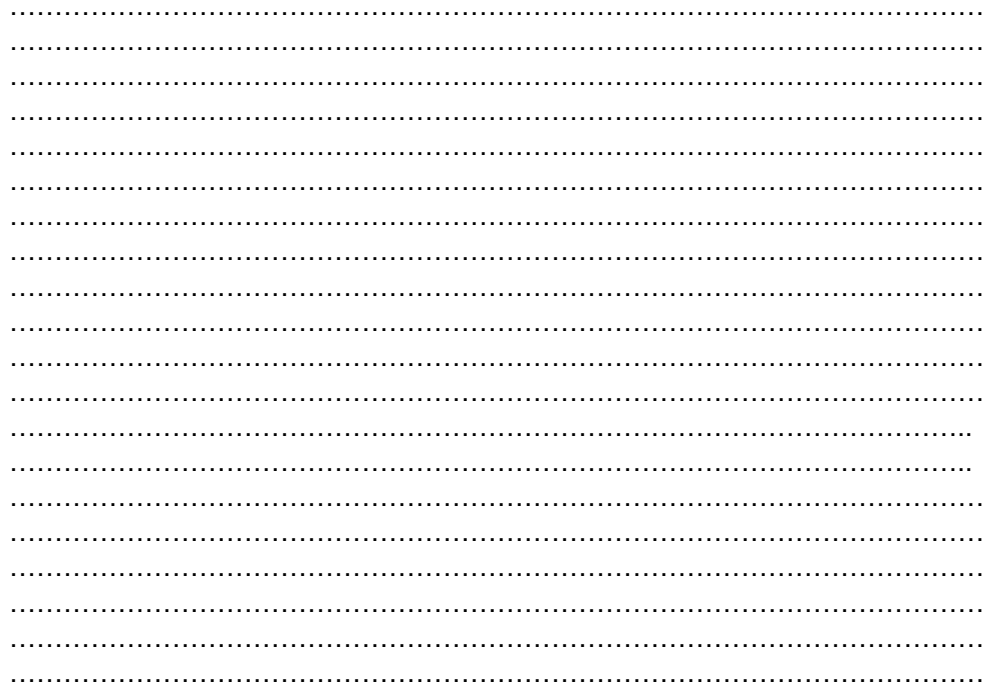
1 = long term IEC 265-8-Wrms / 10 min

2 = nominal IEC 265-8 = Peak Power 5 µsec

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S6X

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INFO@ADAM-AUDIO.COM
www.adam-audio.com



S6X Manual Version 05.2018 English/Deutsch.
All data subject to change without prior notice.

Documents / Resources

	<p>ADAM AUDIO S6X 4 way Powered Main Studio Monitor [pdf] User Manual S6X 4 way Powered Main Studio Monitor, S6X, 4 way Powered Main Studio Monitor, Powered Main Studio Monitor, Main Studio Monitor, Studio Monitor, Monitor</p>
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References

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- [Manual-Hub.com - Free PDF manuals!](#)
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- [User Manual](#)

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