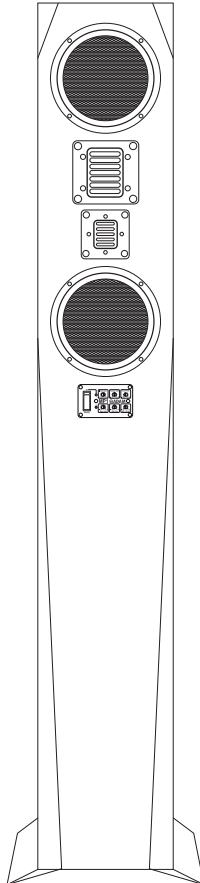




MP1



Operation Manual
English










Safety Instructions

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

	Caution Risk of electrical shock Do not open Risque de choc électrique Ne pas ouvrir	
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.		

	Explanation of Graphical Symbols
	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.
	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.

-  **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.
-  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.
-  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 a 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.
-  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.















-  Protect the cord from being walked on or pinched.
-  To completely disconnect from AC mains, disconnect the power supply from the AC receptacle.
-  Always use fully checked cables. Defective cables can harm your speakers. They are a common source for any kind of noise, hum, crackling etc.
-  The monitor should be installed near the socket outlet and disconnection of the device should be easily accessible.
-  Assure free airflow behind the speakers to maintain sufficient cooling.
-  Never use flammable or combustible chemicals for cleaning audio components.
-  Never expose this product to extremely high or low temperatures. Never operate this product in an explosive atmosphere.
-  Avoid touching the speaker membranes and do not block the woofer's ventilation ports.
-  Please note that the drivers build up a magnetic field. Do not ply with magnetic items at close range to the diaphragms.
-  High SPLs may damage your hearing! Please do not get close to loudspeakers when used at high volumes.
-  Always unplug sensitive electronic equipment during lightning storms.
-  Always keep electrical equipment out of the reach of children.

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Dear customer,

Thank you for choosing the ADAM Audio MP1.

The ADAM MP1 “Mastering Piece” provides the ultimate monitoring tool for the final stage of the recording process. Since this is the last chance to sculpt, change and fine tune a recording before it becomes available to the public, it is crucial for a mastering engineer to know for sure that the monitors provide him with the most honest and revealing sonic “picture” possible. It was to answer this need that the MP1 was created.

The MP1 is a four-way ported active system that uses our proprietary ART tweeter and midrange driver, two 7“ Ceramic cone midrange drivers and one side-firing 12“ HexaCone® woofer which is driven by a no-compromise 500W PWM amplifier. A very stable bass reflex cabinet, enabling the woofer’s frequency response reaching down to 23 Hz, is also responsible for an extremely pure sound that is free from overemphasizing artifacts, resulting in exceedingly tight and solid bass response.

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 loudspeakers, 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 stand firmly on a solid surface!

We recommend retaining 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 switches on the back panel of the loudspeakers.
- 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) Switch on the Standby switch on the front panel of your MP1.
- g) Turn on your source of music and adjust the volume carefully.



The proper positioning of your loudspeakers is of extreme importance to the sound quality. We would therefore like to give you some advice concerning room acoustics and the setting up of your loudspeakers. Since every room is unique, we can only offer general recommendations.

3.1 Room acoustics

Room acoustics come down to essentially three aspects:

- a) Reverberation: The ‘sound’ of a room is to some extent a result of its reverberation, i.e. to how the sound waves are reflected. Soft furniture (like carpets, curtains, or sofas) tends to absorb sound waves, especially higher frequencies. Hard materials like stone or glass reflect sound waves almost entirely. In general, reverberant rooms are rather unforgiving in terms of authentic music reproduction due to the great number of reflections.
- b) The room dimensions: The volume of a room is the second important aspect of its acoustics. The same loudspeaker will sound different in different sized rooms with similar sonic characteristics. Therefore, the size of your room partly determines the positioning of your loudspeakers.
- c) The listening distance: The distance between the listener and the sound source is the third crucial aspect in loudspeaker positioning. If this distance is either too great or too small, the sound will be compromised.

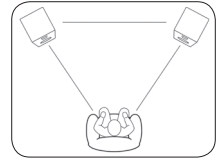
3.2 General recommendations

- 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 70 cm to avoid early reflections, which will degrade the sound.
- The loudspeakers should be aligned with the listener’s position.
- 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.
- Please note that vibrating parts of nearby objects can mask the sound.

3. Speaker Placement

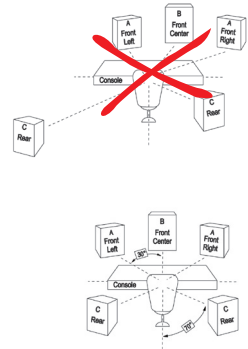
3.3 The Stereo Triangle

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 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.

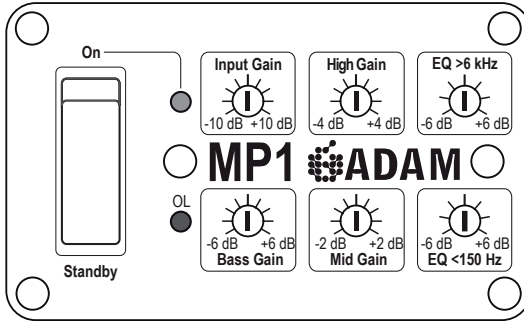


4. Speaker Adjustment



4.1 The front control panel

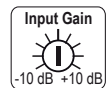
On the front you will find a highly sophisticated control panel that allows detailed fine-tuning of your loudspeakers to your particular room acoustics and personal listening preferences. The following tips are intended to assist you at using the controls in the best manner.



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.

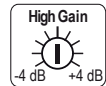
4.2 Input Gain

'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.



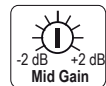
4.3 High Gain

Whereas the 'Input Gain' raises or lowers the overall input sensitivity up to +/-10 dB, the 'High Gain' works only within the frequency range of the tweeter, raising or lowering up to +/-4 dB.



4.4 Mid Gain

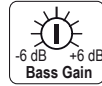
The 'Mid Gain' raises or lowers the gain of the midrange driver up to +/-2 dB.



4. Speaker Adjustment

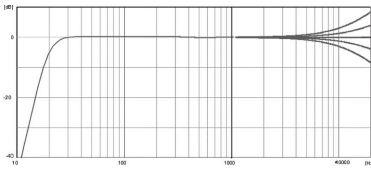
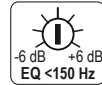
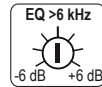
4.5 Bass Gain

The 'Bass Gain' raises or lowers the gain of the woofer up to +/-6 dB.

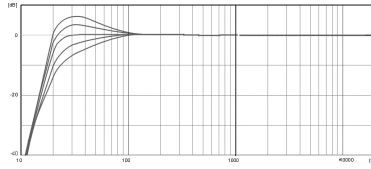


4.6 High / Low Shelving EQs

Whereas the gains raise or lower the volume of a single driver as a whole, the two room equalizers work differently. The 'EQ >6kHz' is a shelving filter that progressively raises or lowers the range above 6 kHz up to 6 dB. The 'EQ <150Hz' does the same for the frequency band below 150 Hz (please see figures below).



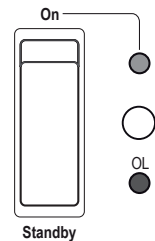
Room EQ >6 kHz for high frequencies above 6 kHz



Room EQ <150 Hz for low frequencies below 150 Hz

4.7 LEDs

There are two diodes on the front panel. When the loudspeaker is being switched on, the Overload-LED will flash red a few times. This does not indicate an overload! It signals the control function of the protective circuit. Afterwards, the On-LED will start to glow green, indicating power on. Only if the Overload-LED flashes red during operation, it does indicate an overload. Then, the protective circuit will be activated to prevent the speaker from damage.





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

a) Check the wiring.

Is the cable defective? Are all cables connected correctly?

b) 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

Ederstr. 16, 12059 Berlin, Germany

declare under our sole responsibility that the product:

MP1

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.

Signed:

Klaus Heinz
Director ADAM Audio

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



Tweeter	ART
Velocity transfer ratio	4:1
Equivalent diaphragm \varnothing	2.5" / 60 mm
Midrange	ART
Velocity transfer ratio	3.5:1
Equivalent diaphragm \varnothing	5.5" / 145 mm
Midwoofer (2x)	7" / 180 mm
Cone material	Ceramic
Subwoofer	12.5" / 315 mm
Cone material	HexaCone
Built-in amplifiers	4
Subwoofer channel ^{1/2}	500 W / 700 W
Midwoofer channel ^{1/2}	250 W / 350 W
Midrange channel ^{1/2}	250 W / 350 W
Tweeter channel ^{1/2}	250 W / 350 W
Control Panel	yes
Input Gain	± 10 dB
High Gain	± 4 dB
Mid Gain	± 2 dB
Bass Gain	± 6 dB
High Shelf EQ > 6 kHz	± 6 dB
Low Shelf EQ < 150 Hz	± 6 dB
General Data	
Frequency response	23 Hz - 35 kHz
THD > 80 Hz	≤ 0.5 %
Long term output	≥ 116 dB
Max. peak acoustic output in 1m per pair	≥ 126 dB
Crossover frequencies	80 / 800 / 3.100 Hz
Analog Input	XLR
Input Impedance	10 k Ω
Weight	60 kg / 132.3 lb.
Height x Width x Depth	1600 x 250 x 450 mm / 63" x 10" x 17.5"
Warranty	5 years
Operating temperature	0° C to 40° C (32° F to 104° F)
Storage temperature	-30° C to 70° C (-22° F to 167° F)
Humidity	Max. 90 % not condensing

1 = long term IEC 265-8-Wrms / 10 min
 2 = nominal IEC 265-8 = Peak Power 5 μ sec



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All data subject to change without prior notice.

Änderung der technischen Daten ohne Vorankündigung vorbehalten.