



## Owner's Manual

Reference Series



**OREA**



*No loss of fine detail*

## Contents

Included in the Delivery	page	3
Welcome	page	11
General Tips	page	12
Unpacking, Assembly and Set-up	page	13
Connecting the Loudspeakers / Bi-Wiring Operation	page	14
Modes of Operation and Possible Combinations	page	15-16
Technical Specifications	page	17



*No loss of fine detail*

## Included in the Delivery

Your new loudspeakers is delivered in one box. This box contains the OREA loudspeaker and an accessory pack, as well as your “Welcome to the Audio Physic Family“ package containing this Owner’s Manual and the Final Inspection Certificate.

– “Welcome to the Family“ with spirit level to optimise setup

– **Accessory Pack:**    3 x    front grilles  
                              4 x    felt pads



**[audio physic]**

*No loss of fine detail*

# Welcome

Dear music lover,

We would like to thank you for putting your trust in our products and welcome you to the family of audiophile friends of AUDIO PHYSIC.

You have chosen a top-class product that has been developed in Germany. We would like to congratulate you on this choice and wish you a lot of fun and enjoyment with your product.

In order to earn your trust, we only use the latest technical expertise and top-quality components when manufacturing our loudspeakers and we produce them in accordance with strict quality criteria. These criteria enable us to provide original owners with a 10 year warranty for our loudspeakers (2 years for the subwoofer electronics and 10 years for the drivers), starting on the date of purchase of the product by the original owner, which is far longer than the legally prescribed warranty periods. In order to secure this additional service, please fill out the warranty card enclosed with your loudspeaker and send this and a copy of your proof of purchase to your AUDIO PHYSIC distributor.

Only after several electronic and acoustic test runs, which our quality assurance staff confirm by signing the enclosed certificate, are our loudspeakers allowed to leave the factory in secure packaging. These measures help to ensure that you can enjoy the full experience of the high-quality materials, production and sound of AUDIO PHYSIC loudspeakers in the comfort of your own home.

As a rule, your competent AUDIO PHYSIC dealer will deliver and install your loudspeaker. If you would rather install your product yourself, the following pages provide you with detailed tips and steps to follow in order to safely set up your loudspeakers. **Have fun with your OREA!**

*No loss of fine detail: If you want a close-up first-hand experience of exactly what your new AUDIO PHYSIC loudspeakers can do, we recommend that you try out our Anniversary Sampler CD. These 16 pieces of classical music with flawless quality are bound to put a smile on your face.*



**audio physic**

*No loss of fine detail*

## General Tips

Depending on the size and weight of your loudspeaker, it is a good idea for two people to unpack it. Take out the accessory pack and follow the instructions in the chapter "Unpacking, Assembly and Set-up" to ensure the safe and correct installation of your loudspeaker.

Loudspeakers should reach a temperature that is approximately equivalent to room temperature before you connect them to the HiFi system and/or operate them. This instruction predominately refers to the winter months in case the loudspeakers were previously stored in a cold room.

## Maintenance

Our loudspeakers are coated in high-quality veneers or high-gloss lacquers. You should avoid using chemical cleaning agents because these can attack the loudspeaker surfaces and make them go matt. As a rule, a fine, soft and damp cloth is all that you need to clean the surfaces. If a cleaning agent is required, use this to dampen the cloth and do not directly apply it to the surface. It is best if you test the suitability of the cleaning agent on a less visible part of the cabinet. The **drivers do not normally need to be cleaned**. Dust particles fall off quickly when the loudspeakers are operated. You can, however, use a soft brush to lightly brush over the surfaces of the drivers. When doing so, make sure you do not put any pressure on it. Please **never use any cleaning agents on the drivers**. Do not expose the loudspeakers to direct sunlight. Anodised surfaces are sensitive to acids and alkalis and to ultraviolet light and may fade.

The drivers in this range of AUDIO PHYSIC loudspeakers use a unique mounting technique. Rather than directly mounting the drivers onto the cabinet of the loudspeaker, the drill holes of the OREA contain special neoprene plugs. These neoprene plugs tighten in the mounting hole when the screws are fitted, creating a permanently elastic connection between the driver and the cabinet that reduces resonance. **You do not need to tighten these screws**. Re-tightening the screws may damage the plugs and have a negative effect on the sound.

## Burning in the Loudspeakers

The loudspeaker first reach its full sound potential after a specific burn-in period. We burn in the drivers of the OREA at our factory prior to assembly, meaning that they normally only need a burn-in period of a few hours at a normal room volume and with music that has a range of frequencies that is as wide as possible, for example orchestral pieces. Recordings containing 'white or pink noise' such as those available on many so-called Test CDs are also ideal. For safety reasons, these pieces should never be played at high volumes.

## Stray Magnetic Fields

The magnetic field created by the individual driver magnets may to some extent have an effect outside of the loudspeaker. This stray magnetic field may interfere with other devices, particularly televisions and monitors with cathode ray tubes (not LCD or plasma televisions), for example by causing changes in colour in the picture. We recommend that you place the loudspeaker approximately half a metre away from such devices (and also from magnet tapes, video cassettes, credit cards with magnetic stripes, etc.).

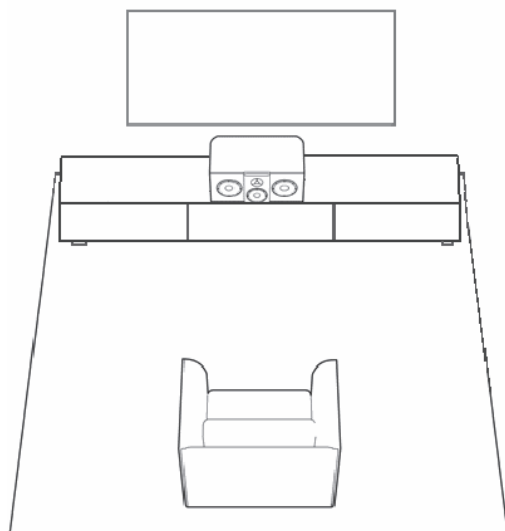
Where possible, please retain the loudspeaker packaging. You can then securely transport your loudspeaker if you move house.



*No loss of fine detail*

## Unpacking, Assembly and Set-up

1. Place the box on the floor and carefully open the packaging on the long side where it has been taped up, preferably using a pocket knife or kitchen knife.
2. Remove the accessory pack from the box.
3. Carefully remove the loudspeaker from the box. It is ideal if two people carry out this step. Make sure that you **do not touch the drivers** when removing and handling the loudspeaker as this may cause irreparable damage to the drivers.
4. Now remove the foam cover from the top and carefully pull down the foil.
5. Carefully stand the loudspeaker upside down on a soft surface so that you can easily attach the felt pads that come with the loudspeaker to its base.
6. Remove the protective foil from the felt pads and stick them in the corners of the loudspeaker base, at a distance of approximately five centimetres away from the edges.
7. Now turn the loudspeaker the right way up and place it in its intended position. When in position, the loudspeaker should not wobble at all and should stand **level and upright**. The enclosed spirit level will help you to finely adjust the loudspeaker (it is level when the bubble remains in the inner circle).
8. The back of the loudspeaker should be a good hand's width away from the back wall so that you do not bend the connected cables. Placing the loudspeaker even closer to a wall may also be disadvantageous in terms of sound.
9. When used as a centre speaker, the OREA should be positioned as centrally as possible between the main loudspeakers. It should definitely be placed directly under your flatscreen television or screen. For an optimal and homogenous sound reproduction, please programme the distances between the individual loudspeakers and the listening position as exactly as possible in the setup menu of your surround receiver. This is the only way of achieving sound reproduction with precise phases.



*A spatially correct voice reproduction is only guaranteed when the OREA, used as a centre speaker, is placed in a central position below the screen or the television set.*

10. When used in stereo operation, the OREA can be placed close to the wall without any problems. If you increase the distance between the loudspeaker and the back wall, the sound will tend to become tighter, but also leaner. Two OREA loudspeakers can also be placed in a low position that is slightly below the ear height in a seated listening position when used in stereo operation. The radiation characteristics of the OREA model are optimised to suit this position.

## Connecting the Loudspeaker

1. Please switch off all equipment in your Hifi system before you begin to connect your loudspeaker.
2. Attach the loudspeaker cable to the connectors on the loudspeaker. When doing so, please make sure that you have the right polarity. As a rule, loudspeaker cables are accordingly labelled, either by a permanent marking on one of the two conductors of the cable by “+” and “-” markings on the cable ends.
3. Now connect the cable to your receiver and make sure that you have the right polarity here.
4. The OREA’s connectors accept both spades and banana plugs. Loose cable strands oxidise easily and are not suitable for a permanently high-quality listening experience.



### *Top-quality parts down to the finest detail:*

*The OREA is fitted with high-quality connectors from the “nextgen” range made by the specialist manufacturer WBT.*

*The connectors are additionally mechanically decoupled from the actual terminal by a vibration damper made of modern functional materials.*

*This is what we call “no loss of fine detail”.*

### “Bi Wiring” Operation

If your OREA is fitted with a bi-wiring terminal and you would like to use this option, please connect the loudspeaker cable from the amplifier to the upper two connectors on the loudspeaker in order to control its midrange area and tweeter system and a further cable to the connectors underneath in order to control the woofer system. Please remove and retain the respective bi-wire bridges on the loudspeaker terminal before connecting the cables.

### Our Tip for Even More Precise Details

*If you want to increase the sound quality even more in terms of precision and bass response, try out our high-quality VC feet (for example VCF II Component in the image on the right) on your loudspeakers. The “Vibration Control” feet are ideal for sensitive flooring and also reduce the transmission of vibrations between the loudspeaker and the surface on which it is placed. This results in an audible improvement to the level of detail and realistic sound reproduction. For more information and advice, please contact your dealer.*



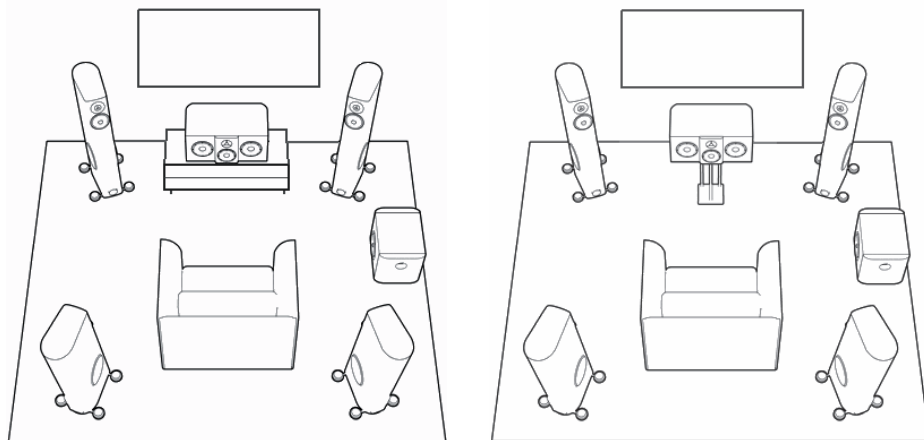
**audio physic**

*No loss of fine detail*

## Modes of Operation and Possible Combinations

### The OREA as a Centre Speaker in a 5.1 Configuration

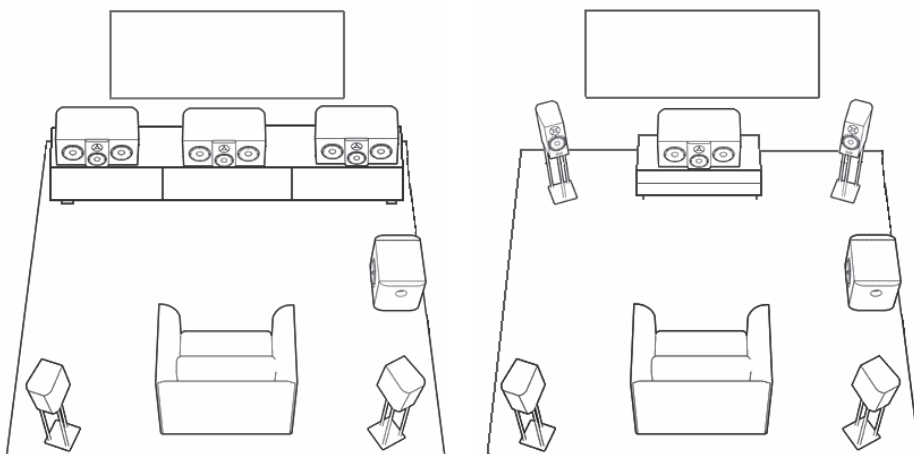
When used as a high-quality centre speaker in a surround combination, the OREA should be positioned below the image centre of the screen or television set. In this position, there are also no problems if the OREA is placed slightly under the ear height in a seated position because the loudspeaker's radiation characteristics are optimised to suit this listening position.



### The OREA in Other 5.0 and 5.1 Configurations for Smaller Rooms

When it comes to choosing main loudspeakers, floor-standing loudspeakers are sometimes out of the question. It is often the case that the amount of space at the sides of the room is insufficient for optimally positioning the loudspeakers or that the furniture in the room requires other solutions. In such cases, three OREA loudspeakers may well be the perfect solution. They could, for example, be combined with the STEP 25, the SKY HIGH or our floor-standing models for the rear sound channels. The loudspeakers are configured in terms of tonality, acting in concert with each other and meaning that the sound produced is always consistent. In larger rooms or for the ultimate kick when it comes to the deep bass region, we recommend that you combine the OREA with our subwoofer RHEA II.

Thanks to its high performance and the fact that the centre speaker is responsible for around 70% of the sound reproduction in the case of classic films and concerts, the OREA can be easily combined with smaller main loudspeakers. This is a particularly good option for smaller rooms and cases in which the system will be predominantly or solely used for surround sound. In combination with the STEP 25, for example, this results in a full high-end surround system.



**audio physic**

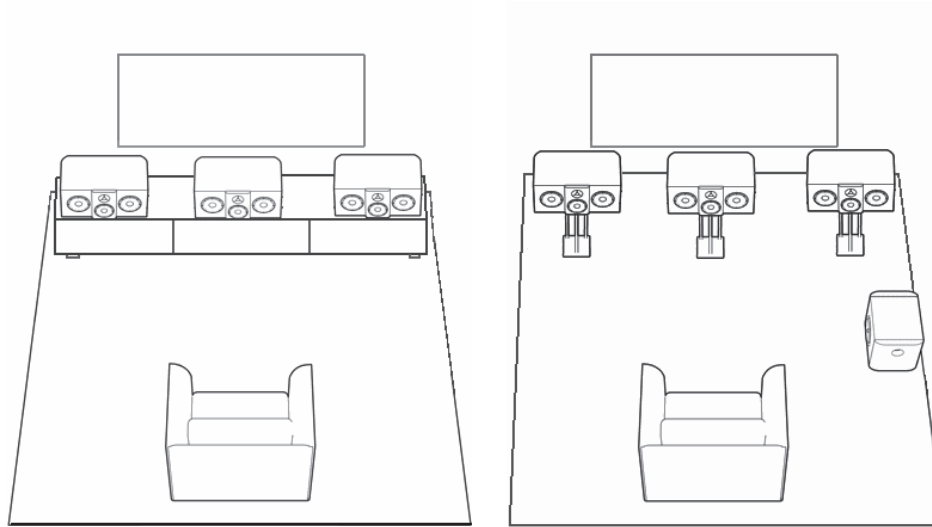
*No loss of fine detail*



### The OREA in a Virtual Surround System

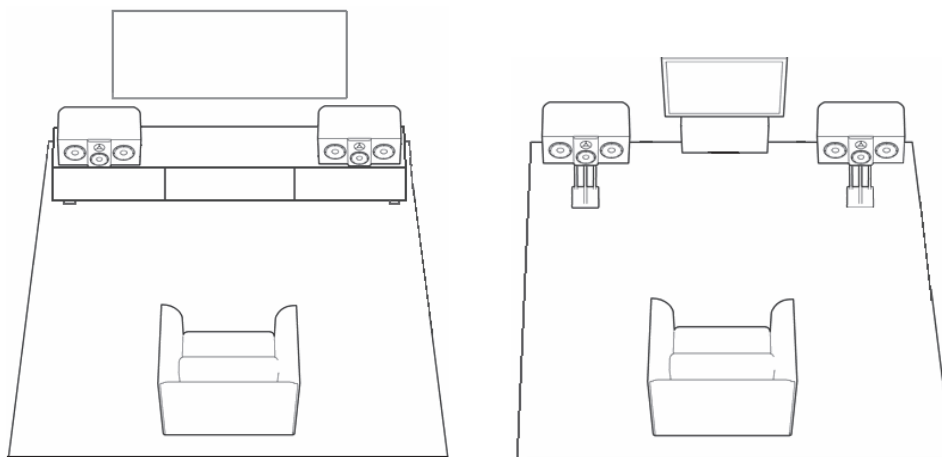
The algorithms for the reproduction of films or music in virtual surround sound are increasingly improving and have already reached such a high level that it may well make more sense to choose an ultimate 3.0 or 3.1 configuration than a 5.1 set. This is particularly the case when rear speakers cannot be placed in an optimal position and cannot be harmoniously integrated into the surround system.

If you want an enthralling film experience despite such circumstances and place high value on stereo reproduction without compromise, then three OREAs, according to your needs and with or without a subwoofer, are the ideal choice for you.



### The OREA in Stereo Operation

The OREA, which was developed based on the VIRGO 25, is a complete high-quality loudspeaker that is able to reproduce low frequencies without limitations or loss of sound details. The OREA also stands out due to its extremely homogenous radiation characteristics. If you use a large screen and/or your furniture enables it, you can also use two OREA loudspeakers as a stereo system. The loudspeakers can then be placed on a lowboard or on loudspeaker feet. The loudspeaker's radiation characteristics are designed in such a way that the lobe-shaped sound beam is directed slightly upwards. It is therefore unproblematic if the OREA is positioned slightly below the ear height in a seated position.



You can find a multitude of further tips and tricks concerning setting up your speakers and background information on the topic of listening in the technical area of our website at: [www.audiophysic.de](http://www.audiophysic.de).

**audio physic**

*No loss of fine detail*

## Technical Specifications

Height	13"
Width	25"
Depth	13.3"
Weight	18.5 kg
Recommended amplifier power	25 - 180 watts
Impedance	4 Ohm
Frequency range	40 Hz - 40 kHz
Sensitivity	90 dB
Loudspeaker systems	
Woofer	2 x 7"
Midrange	1 x 5.9" / HHCM
Tweeter	1 x 1.75" / HHCT-II

## OREA



**Audio Physic**

*No loss of fine detail*

**AUDIO PHYSIC GmbH**

Almerfeldweg 38  
59929 Brilon / Deutschland  
Germany

Tel. +49(0)2961/9617-0; Fax +49(0)2961/51640  
info@audiophysic.de / www.audiophysic.de

Distributed in North America by:

VANA, Ltd.  
2845 Middle Country Road  
Lake Grove, NY 11755  
(631) 246-4412.  
www.vanaltd.com



*No loss of fine detail*