



AUDIOVECTOR

Handmade in Denmark since 1979

# MANUAL FOR AUDIOVECTOR LOUDSPEAKERS

R 8 • R 6 • R 3 • R 1 • QR 5 • QR 3 • QR 1 • QR WALL

Congratulations with your new Audiovector speakers. Your new Audiovector speakers will give you endless hours of listening pleasure, either as part of a stereo or as a surround sound system. Audiovector products are unique, not only because of their unique concept for upgrades and listen ability. Audiovector also receives excellent reviews from the scrutinous hi-fi press. And best of all: Audiovector owners are happy with both sound quality and product quality.

## 1. AN IMPORTANT PART OF YOUR MUSIC SYSTEM

The loudspeakers are the most important part of any stereo/surround sound system. Why? Because the loudspeakers transform electrical energy to acoustical energy in a room, which interacts with the speakers themselves. This interaction is very important. With Audiovector this interaction is easy to optimize.

## 2. ENDLESS HOURS OF LISTENING PLEASURE

We congratulate you with your new speakers. I am sure that you will be thrilled by their sound. Should you, however, eventually be tempted to get more of the Audiovector sound quality, please contact your dealer, who will be able to inform about possible upgrades and expansions.

## 3. UNPACKING

⚠ Caution: Please make sure not to damage the speakers while unpacking them. Please save cartons for possible later use.

## 4. CONNECTIONS

All Audiovectors can be either single, bi- or tri-wired. All other things being equal, the advantages of multiple cables are: Better soundstage, more inner detail and a cleaner sound. As no system is better than its weakest link, please choose your cables carefully. In comparison with many other speaker cables, one run of Audiovector ZERO cables has proven to be superior to two or three runs of good sounding cables. You get the best long term performance by using high quality 4 mm banana plugs. On all Audiovector ZERO cables, the plugs are not soldered, but crimped and airtight instead, in order to get the best possible performance. The most important parameters of a high quality cable are: a fast, clean, open and natural sound. You may know that some cables (and speakers, too) slow down the speed of sound. This is a type of distortion, which you want to avoid. Please consult your Audiovector dealer for additional information.

## 5. SPIKES AND DECOUPLING

All Audiovectors are supplied with spikes. Spikes are meant to penetrate carpets and reach down into a solid material. The idea is that the speaker should not wobble. For the highest level of precision in sound reproduction, the membranes should move the air. Not the cabinet. Furthermore spikes provide effective decoupling of resonance. This results in a cleaner and more dynamic sound.

⚠ Caution: Please note that spikes are sharp!

## 6. GRILLES

All Audiovectors come with acoustically transparent grilles. The grilles are held invisibly in place by magnets. If you wish to remove the grilles, please carefully prize them away from the cabinet with the tips of your fingers.

⚠ Caution: Do not try to lift or move the speakers with the grilles fitted.

## 7. FIXING THE QR WALL TO A WALL

For safety reasons, if you are unsure of your ability to provide a secure and safe fixing, please obtain the services of a competent person.

⚠ Caution: Make sure that the speakers are properly fixed to the wall.

## 8. BREAK-IN OF YOUR AUDIOVECTOR SPEAKERS

All loudspeakers need to be broken in. Your new Audiovectors will sound very good when you first listen, but with time they will improve dramatically. Expect app. 50 hours before the full potential of your new Audiovector speakers is fully realized. Especially for the SR 6 models you should expect approximately 100 hours of listening beyond normal level before they are performing 100% as intended.

## 9. FREEDOM GROUNDING® CONCEPT

Freedom Grounding can be connected by a special cable. The connection goes between the Freedom Grounding binding post on the terminal plate of the R Arreté models and ground in the wall socket all on your mains distributor.

## 10. QR WALL SWITCH

With rear switch set to "OFF" The QR Wall can be used as a direct mode speaker. In this mode, it works like a traditional loudspeaker with only the bass/midrange and the AMT treble driver working. This makes the speaker ideal for a rear speaker surround sound for quite big rooms. And as a speaker in its own right.

When you switch to "ON", the two small dome tweeters will be engaged. They work in antiphase with the AMT, thus creating a diffuse field. This makes it ideal as rear speaker for surround sound for rooms, where the seats are quite close to the rear wall. And as a side speaker for 7.1 systems.

## 11. ACCESSORIES

All bookshelf models can be mounted either on stands or on wall brackets. These accessories should be bought in specialized audio stores, as they will be able to guide you correctly in terms of placement and mounting.

⚠ Caution: Make sure the the speakers are properly set-up or fixed to bracket and wall.

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## 12. POSITIONING GUIDE

Models	R 8	R 6	R 3	R 1	QR 5	QR 3	QR 1	QR Wall
Rear wall distance	90 - 35 cm	90 - 35 cm	60 - 20 cm	25 - 15 cm	50 - 10 cm	30 - 10 cm	15 - 5 cm	0
Recommended Degrees Toe in	1 - 3	1 - 3	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	0

### 13. POSITIONING ADVICE [ see page 3 ]

With all floorstanders and standmounts, it will be beneficial to first follow the above instructions, and after that listen, move a little bit and listen again, until you find your favorite performance. Experimenting pays off!

### 14. POSITIONING FOR SURROUND SOUND [ see page 4 ]

Please use the same position for the front speakers as in a stereo set-up. The center speaker can easily be adjusted for difference in distance via your processor. This goes for rear speakers as well. The subwoofer(s) can be placed in various places in your room, using the multiple available adjustments.

### 15. MAINTENANCE/SERVICE

If you want to clean your speakers, please use a damp soft piece of cotton. Do not use solvents. In order to maintain your excellent sound quality, please pull out the plugs from the speaker cable every

3 months and clean them with a piece of soft cotton with a little alcohol (or something alike).

### 16. WARRANTY

Audiovector passive loudspeakers are subject to a 5-year factory warranty, which covers all parts. Audiovector Discreet electronic parts and Audiovector Subwoofers are subject to a 2 year warranty - transportation cost is not included. Please note that unauthorized opening or repair of your speakers, puts your warranty out of function. We wish you many hours of enjoyment with your new Audiovector speakers.

Please direct all warranty and/or service issues to  
F3/AUDIOVECTOR ApS  
Mileparken 22  
DK-2740 Skovlunde, Denmark  
Tel +45 35396060  
info@audiovector.com

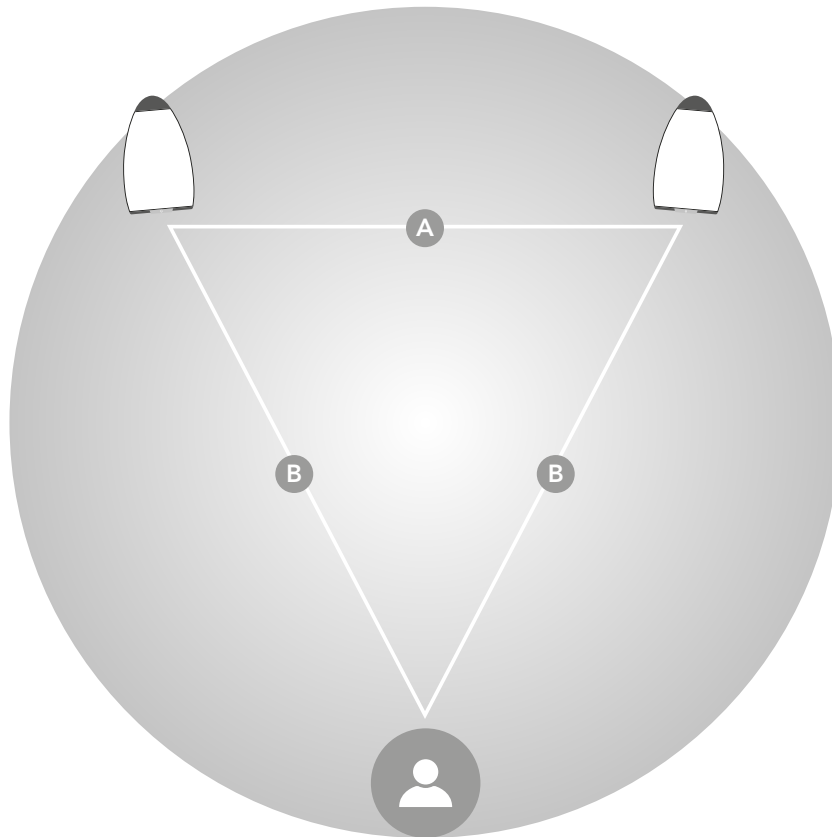


Yours sincerely

Mads Klifoth  
CEO

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#### STEREO SET-UP

The distance between each loudspeaker and your listening position should not be the same [B]. Try to achieve a triangle, where the distance between the speakers is  $\frac{3}{4}$  of the distance to the listener [A].

The closer the listening position is in relation to the loudspeakers, the closer the speakers can be positioned to each other.

As a starting point, it is recommended that the speakers be about 2 - 3 meters apart from each other for the best results [A].

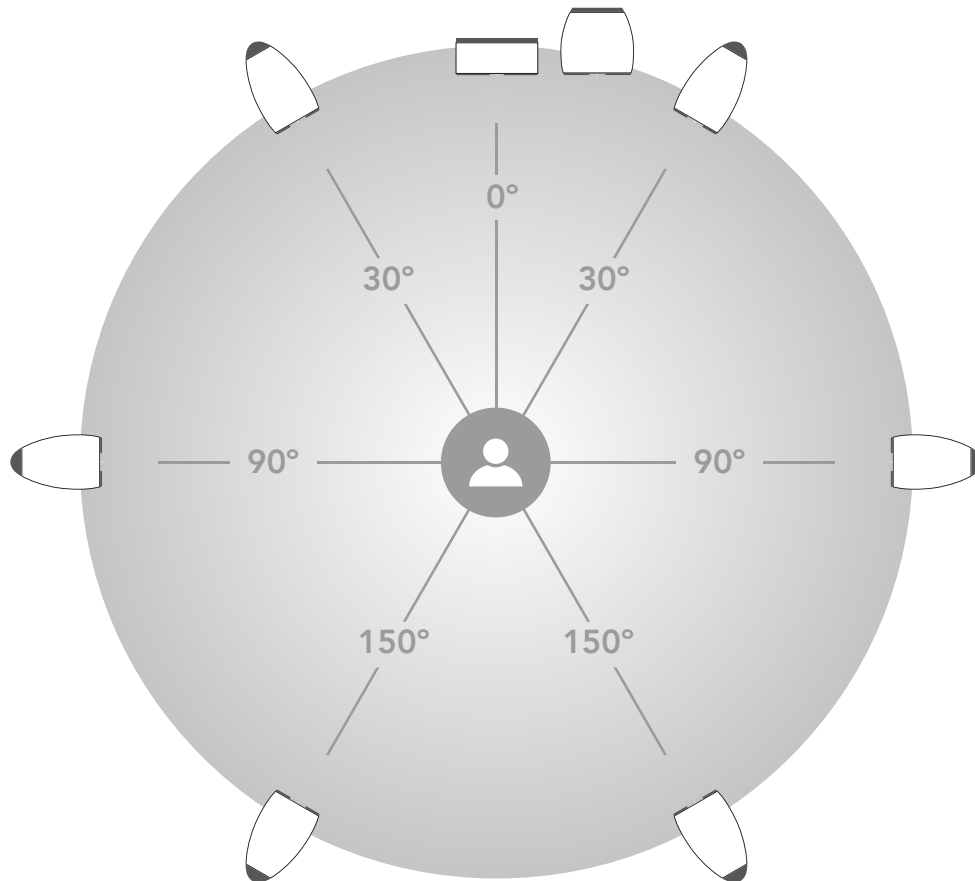
If the speakers are positioned too close to each other, the stereo image will not seem realistic if that distance is too wide, the image may leave an acoustic hole in the middle.

Paying attention to the image during listening tests will help dictate optimum placement during experimentation and set-up.



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#### MULTI-CHANNEL SET-UP

Note: Audiovector has developed various models suitable for multi-channel applications: Compact and floor standing models with a matching centre channel, all optimised for use with Audiovector active subwoofers and Audiovector optional accessory products.

#### 5.1: THE STANDARD MULTI-CHANNEL SETUP

with two side/surround speakers, preferably placed at the sides or slightly behind the listening position

#### 7.1: TWO REAR SPEAKERS ARE ADDED

directly behind the listening position, typically on the back wall

#### SUBWOOFER

Note: Most often a subwoofer will be utilized for the LFE signal, especially in larger listening rooms. The optimal position of the subwoofer depends on the size of the room and its acoustics. Please refer to the Subwoofer manual.

#### MULTI-CHANNEL LOUDSPEAKER SET-UP

A complete multi-channel set-up consists of the following speakers:

1. Front (stereo) speakers
2. Centre speaker
3. Side/Surround speakers
4. Rear speakers (as explained above)
5. Subwoofer (possible position)

As there are different set-up options (5.1 or 7.1 channel applications), loudspeaker positioning will also depend on a given room's shape. Please consult your Audiovector dealer for special applications and placement options.

Note: Audiovector loudspeakers are designed to offer the most advanced performance in both stereo and multi-channel applications. When connecting a loudspeaker to a multi-channel set-up, in general the same guidelines as mentioned in the previous section will apply.

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