



AUDIOVECTOR

Handmade in Denmark since 1979

MANUAL

QR SERIES

QR 5 / QR 3 / QR 1 / QR C / QR WALL

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MANUAL FOR AUDIOVECTOR QR SERIES

QR 5 • QR 3 • QR 1 • QR CENTER • QR WALL

Congratulations on the purchase of your new Audiovector QR series speakers. Your new Audiovector speakers will provide you with endless hours of listening pleasure, either as part of a stereo or surround sound system. Audiovector products are unique, not only because of their unique concept for upgrades and inherent listenability. Audiovector also receives excellent reviews from the international hi-fi press with its exacting standards. And, best of all: Audiovector owners praise the sound quality, reliability and build quality of their investment.

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 on your new loudspeakers and are sure that you will be thrilled by their sound. Should you, however, eventually be tempted to experience the Audiovector sound quality further, please contact your dealer who will be able to inform of possible upgrades and expansions.

3. UNPACKING

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

4. CONNECTIONS

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 alternative 'good' sounding cables. You will 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 attain the best possible performance. The most important parameters of a high-quality cable are a fast, clean, open and natural sound. You may be aware that some cables (and speakers, too) appear 'slow down' the speed of sound. This is a type of distortion, which is best avoided. 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 to a solid material. The idea is that the speaker

should not wobble. For the highest level of precision and 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 of course sound very good on first listen, but with time they will improve dramatically. Expect approx. 50 hours before the full potential of your new Audiovector speakers is fully realized.

9. 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 larger 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.

10. 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 or mounting.

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



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11. POSITIONING GUIDE

Models	QR 5	QR 3	QR 1
Rear wall distance	50 - 10 cm	30 - 10 cm	15 - 5 cm
Recommended Degrees Toe in	2 - 5	2 - 5	2 - 5

12. POSITIONING ADVICE [see page 3]

With all Audiovector floorstanding or standmount models, it will be beneficial to first follow the above instructions. After that, move the speakers a little bit more and listen again until you find your preferred sound. Experimenting pays off!

13. 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 positions in your room, using the multiple available adjustments for fine tuning.

14. MAINTENANCE

If you wish to clean your speakers, please use the microfiber cloth included. Do not use solvents. In order to maintain optimum sound quality, please remove the cable from the speakers every 3 months

and clean the connectors with a piece of soft cotton with a little alcohol (or similar).

15. WARRANTY

Audiovector passive loudspeakers are subject to a 5-year factory warranty, which covers all parts. Transportation cost is not included. Please note that unauthorized opening or repair of your speakers will invalidate the warranty. 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 22A
DK-2740 Skovlunde, Denmark
Tel +45 35396060
info@audiovector.com



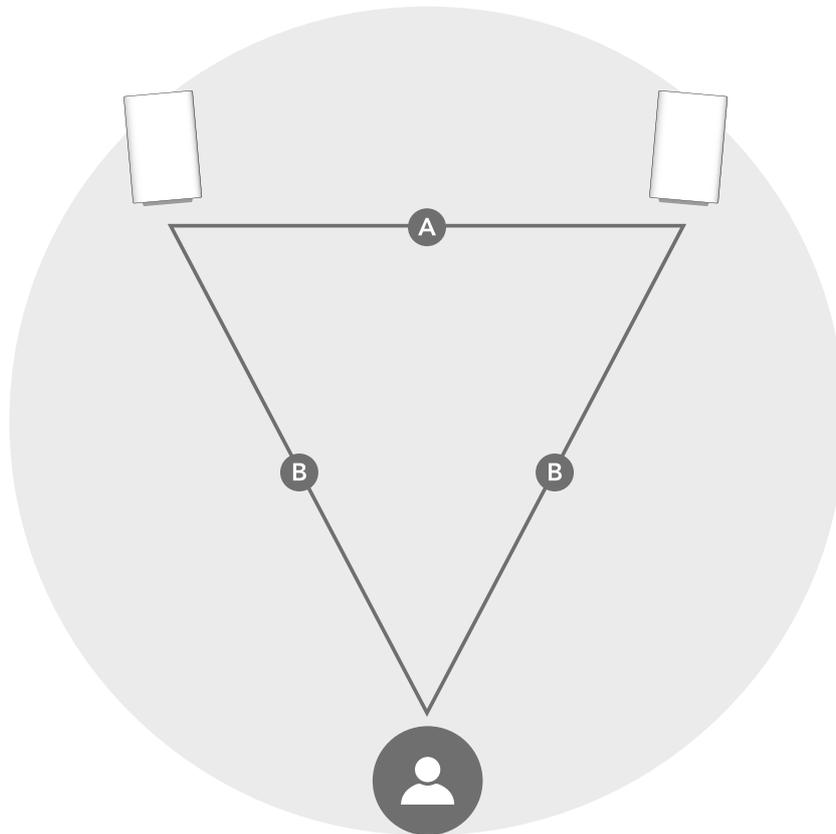
Yours sincerely

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 should 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 'gap' in the middle.

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

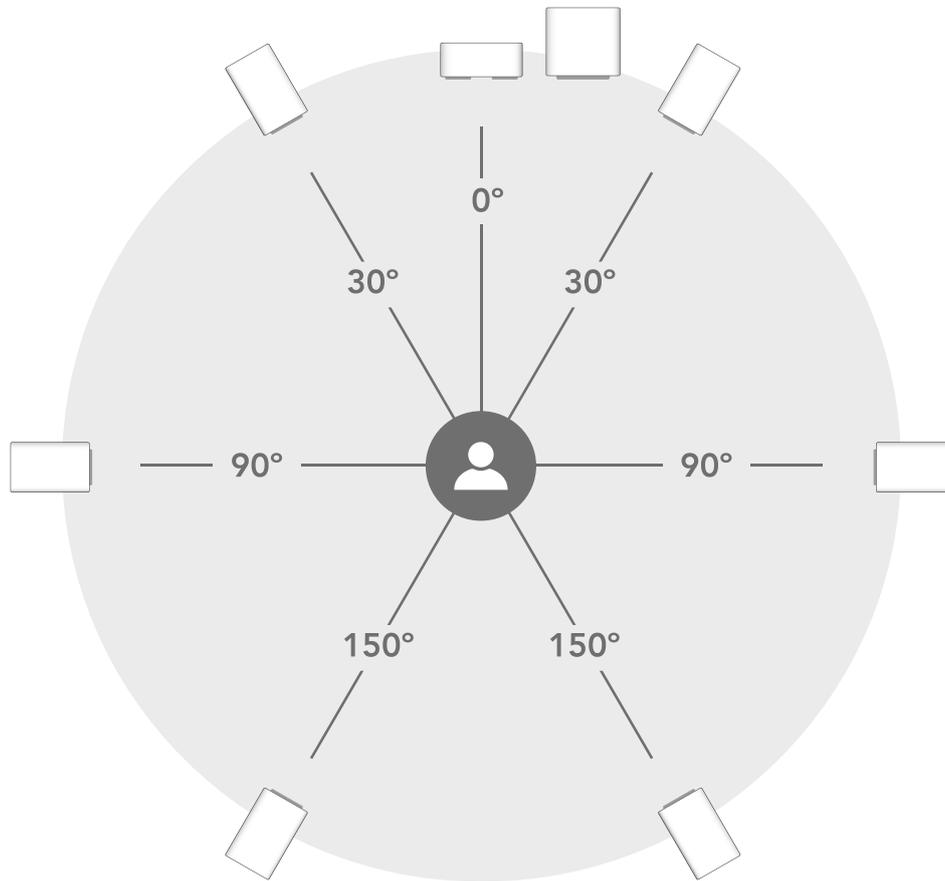
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MULTI-CHANNEL SET-UP

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. Center 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 found in the previous section will apply.