# AUDIOVECTOR



SR 6 / SR 3 / SR 1 + WALL

#### AUDIOVECTOR – ZERO COMPROMISE, MAXIMUM MUSICAL PLEASURE



#### THE SPEAKERS ARE THE MOST IMPORTANT PART OF ANY HI-FI SYSTEM

Many things have evolved since building my first speakers more than 35 years ago. One thing is clear, though, you cannot compromise quality: Each new generation of our components must out-performs the last. New models must sound better and they must reproduce music more faithfully than the previous ones. Simply put: If it does not sound better, it is not an improvement.

The new SR 3/SR 1 models are inspired by the R 11 Arreté and the SR 6 models. With new treble drivers, reinforced cabinets and improved crossover technology, they sound faster, richer and more authoritative. Finish and colors have been improved, too. The inspiration came from classical Italian sports cars.

To describe Audiovector's speaker technology in figures and statistics only tells a part of the story of Audiovector's calibre as a world-class speaker company. But to actually listen is proof that it takes more than great technology to create something truly special. It takes enthusiasm, inspiration and know-how, too. Be in no doubt. Just listen.

Ole Klifoth CEO and Chief Engineer Audiovector

De Mijoh



#### **AUDIOVECTOR - FOR MUSIC LOVERS**



#### **TESTIMONIAL QUOTES FR**

#### Si 3 AVANTGARDE ARRETÉ

"I received my new Audiovector Si3 Avantgarde Arreté in the last few days from PJ Hifi in Guildford - excellent service by the way, thoroughly recommended! I spent some time auditioning speakers to replace my Linn 212s."

"They sound simply SENSATIONAL!
This is the biggest component upgrade, I have ever made! I am absolutely gob-smacked by how good these speakers are and everything just sounds incredible now. At last I think I am close to my hi-fi nirvana."

Rufus McDufus

#### Si1 AVANTGARDE ARRETÉ

"The Si1 Avantgarde Arretés, are excellent partners for my Accuphase. (...) I experience a very balanced and extremely natural sound with an excellent silky and crispy treble and an open, transparent and not least realistic midrange. I am very satisfied!"

Greco

#### S3 SIGNATURE

Prior to purchase I directly compared them with other recommended speakers in the same price bracket. The best pair was close but I just found the

#### DRIVE UNITS INSPIRED BY

Audiovector's bass/mid drivers are among the world's most technically advanced. By dramatically reducing distortion using our new composite sandwich technology in connection with 3-point fixing and the latest titanium technology, we get an extremely clean and dynamic sound,

#### OM OUR FORUM

AV S3 signatures just melted into the background."

"But... I am now awaiting the Si3 Avantgarde Arrete's - cannot wait! I have wanted the AMT tweeter ever since I heard violin music on a Mi3 AA pair years ago."

Eternal optimist.

#### Si3 AVANTGARDE ARRETÉ

"Ever since I heard the Audiovector M3 Avantgardes some years ago, I have lusted after the Si3 Avantgarde Arretés which are now installed." "The high end is crystal clear, especially in the mid-high end. I listen to a lot of violin music, oboe music (I play the oboe, so fidelity is important!) and female vocals. Outstanding. Oboe and violin music can sound awful if the tweeters aren't up to it. The bass end sounds more extended than the Signatures. Very nice. I honestly don't know if I could want a better sound."

One very happy Aussie!

Go to our website to visit our forum and find a lot more testimonial quotations www.audiovector.com.

#### **OUR R 11 ARRETÉ**

which preserves music's rhythm, pitch and timing. At Audiovector, we design our drive units to work in perfect harmony with our cabinets and crossovers. We only use the best materials available and we have authorized world famous Scan-Speak to build our drivers for us.

#### MADE IN DENMARK





Denmark is a small country in Scandinavia. We are probably best known for the famous writer, Hans Christian Andersen and for The Little Mermaid. Denmark has a fine reputation for stylish high quality furniture and for the discovery of electromagnetism.

At Audiovector we rely on skilled engineers and technicians to inspect, adjust, assemble and fine tune our products. The ultimate test is always the listening test, of course. Just Listen.



#### FIVE UNIQUE CONCEPTS



speakers whenever you want. You can upgrade to a higher level, you can go active, either the traditional way or by upgrading to full active Discreet level. This means that all Audiovector's are future proof, whichever route you might choose.



Low Compression Concept technology allows the membranes of the drivers to move freely under all conditions, even the most demanding ones. This means that your Audiovector speakers will stay faithful to whatever signal they are fedno matter how loud and complicated the programme material.



Soundstage Enhancement Concept allows you to choose where you want to be positioned when you listen. This technology means the soundstage stays intact, wherever you are positioned. Not only that, but the sound fills a room in a more credible manner, giving the listener a realistic "live sound" experience.



No Energy Storage. Drive units sound best if they do not have to 'carry' the weight of the speaker cabinet to which they are fixed. This is a question of transient response. Inspired (again!) by the solutions from the R 11 Arreté project, Audiovector has managed to use the NES concept to achieve an even higher level of realism and live feeling from the SR-series speakers.



Discreet means wireless versions of our speakers. They do not need a traditiona hi-fi system to drive them. They still sound like one, though. All the electronics are built into the speakers. Multiple amplifiers with DSP based electronic crossovers, distortion - and power management. Simple, modern streaming. Smart. Modern. Easy to use. All passive speakers can be upgraded to Discreet.

#### SR 6 RANGE **BIG AND POWERFUL** YET DELICATE AND **NUANCED**

Inspired by the R 11 Arreté dream speaker, the SR6 Avantgarde Arreté is our most dynamic, emotionally revealing, natural sounding production model musical performer to date.

With technology more sophisticated than any other speaker in its class, it is a superb choice for complicated classical music, for opera, jazz, or indeed any type of music, be it acoustic or electronic.

Audiovector's Arreté is similar to what AMG is for Mercedes, Quattro for Audi or M for BMW: Fine tuned products with the highest level of performance.



SR6 AVANTGARDE ARRET













With a DNA derived from the R 11 Arreté, the SR 6 models are full-blooded hi-end speakers. Using cutting edge driver- and cross-over technology to achieve a stunning soundstage combined with a fast and taut reproduction of all kinds of music.

The SR 6 owes its distinctive curved shape to the work of designers Lars Mathiesen and Ole Klifoth, whose goal was to create the perfect acoustic shape.

CARBON COMPOSITE SANDWICH

AVANTGARDE ULTRA TWEETER

EVOTECH TWEETER

LAMINATED FRONT AND REAR BAFFLES

SEC TREBLE SYSTEM

NON PARALLEL SURFACES

3 POINT RESONANCE FREE FIXING

DYNAMIC FEED FORWARD X-OVER
INTERNAL DECOMPRESSION DRIVER

NANOPORE DAMPING

DOWN FIRING SUB BASS

TITANIUM TECHNOLOGY

NO ENERGY STORAGE (NES)

NCS FREEZE TECHNOLOGY



# THE MOST COMPACT HIGH END SPEAKER THERE IS

The SR 3 Avantgarde Arreté is the culmination of all our evolutionary developments, delivered in our finest finishes.

Everything we have perfected, all that we believe a sound system should deliver, is included in these models. Boasting Avantgarde Ultra tweeters and Avantgarde Arreté bass/mid drivers, these models are for those who wish to experience music at its most ethereal or cinema at its most expressive. For this compact size, we believe this is the closest to perfection available anywhere, ever.

SR 3 AVANTGARDE ARRETÉ













While the distinctive, curved shape of the SR 3 range is derived from that of the highly praised Audiovector SR 6, new innovations allow us to make our cabinets smaller while sounding bigger.

By avoiding parallel panels inside, we totally eliminate the internal resonance, which impairs sound quality in most other speakers. Parallel panels are a prime cause of undesirable sound coloration, which can be partially reduced by excessive damping within the box, but never totally eliminated.

Audiovector SR 3's non-parallel design totally eliminates internal resonance and thus allows for an absolute minimum of damping, which results in a cleaner, clearer and more powerful sound.

CARBON COMPOSITE SANDWICH

3RD GEN. AVANTGARDE TWEETER

3RD GEN. SILK TWEETER

5RD GEN. SIL

Exquisite finishing and top materials are the hallmarks of all Audiovector products. Durability, combined with future-proofing, means many years of incomparable listening.

The new SR 3's are available in a variety of classical Italian sports car finishes. In combination with top quality materials and durability of at least 30 years, these future proof and upgradable speakers are probably the best compact hi-end speakers money can buy.

#### SR C RANGE SERIOUSLY CINEMATIC

The Audiovector philosophy for optimum sound delivery is founded on synergy. To achieve the ultimate balance for your home entertainment system, each speaker must work in harmony and balance with each other.

In each SR C Avantgarde speaker, Avantgarde Ultra LCC tweeters and Avantgarde bass midrange drivers complement the Avantgarde SR 3, SR 1, SR Sub speakers perfectly, providing the best possible cinema experience on offer.

It is well known that the center speaker plays a major part in a surround sound system.

# SR SUB RANGE EXPLOSIVELY RESP

Our heavy duty woofers are equip extremely long stroke drivers and, top models, a special triple magnithe Avantgarde and Avantgarde incorporate a down firing passive wother models use an Acoustic Res This, controlled by a powerful ampa result which can be both control appropriately explosive.

A subwoofer adds power and guts be it a surround sound system of a Audiovector subs are equally well music and film.

#### SR C AVANTGARDE ARRETÉ

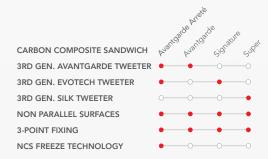








SR SUB AVANTGARDE A









#### PONSIVE

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Arreté models
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to any system, stereo system. suited for

#### RRETÉ



A true cinematic experience in the home requires a seriously capable sound system to deliver the full range of complex and dynamic sound types. Speakers must be able to express the diverse range and variety of sound, which has originally been created with large theatres containing state-of-the-art speaker technology in mind. To be able to recreate that experience in the home requires center speakers with enough range and dynamics to deliver an authentic cinematic experience.

Audiovector's SR C range gives surround sound to a wider soundstage, enabling a larger audience experience the full dynamics of soundtracks and sound effects. Combined with the compact and efficient SR Sub woofers, with a flat bass response to as low as 18Hz, the magnificent range and depth of a cinema sound theatre can be reproduced in your own home.

DOUBLE MAGNET

TRIPLE MAGNET

SUPERSTAND

ARU

DOWNFIRING PASSIVE RADIATOR

NON PARALLEL SURFACES

HIGH POWER AMPLIFIER

A Superstand (also used on SR Sub Signature, -Avantgarde and -Avantgarde Arreté) is a special stand, which includes a steel spring, dealing effectively with unwanted mass addition. This leads to clearer and faster sound quality.

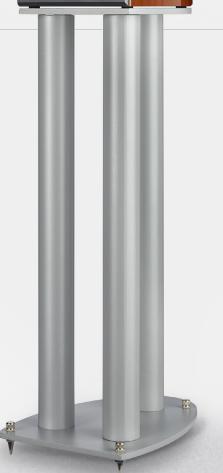


#### **SR 1 RANGE MORE IN LESS**

Put simply, the top SR 1 model is the closest to perfect balance, we have ever achieved. The marriage of the Avantgarde Arreté bass/midrange and the Avantgarde Arreté Ultra LCC-tweeter, and the inclusion of our state-of-the-art crossover technology ensures a perfect match of both resolution and precision.



SR 1 AVANTGARDE ARRETÉ













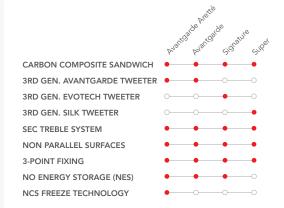


Two words define the SR 1 top model – perfect balance.

Painstaking trials, refinements and innovative solutions have led to a speaker that is both beautifully discrete and unexpectedly powerful. Despite its compact nature, even the most serious of audiophiles make the SR 1 Avantgarde Arreté's their speaker of choice.

With a soundstage area larger than many speakers twice its size, it is designed to give years of serendipitous performances.

In homes where there is a need to strike a balance between sound performance and speaker size, the SR 1 range now means there is no need to compromise.



# EXCEPTIONAL MUSICAL EXPERIENCES

Our approach to InWall and OnWall speaker design is exactly the same as that of our top of the range free-standers: delivering the best possible sound within the physical parameters and refusing to compromise with materials or attention to detail.

#### **ONWALL & INWALL**











A wall of sound from a wall with two compact speakers.

Audiovector OnWall and InWall speakers are engineered to perform exactly as convincingly as all other Audiovector models. The baffle assembly is made from solid aluminium for exceptional vibration control. In order to bring performance up with the best free standing speakers, we have invented DCS (Diffraction Cancellation System) – a cancellation system which removes unwanted wall reflection and diffraction.

Available in four versions – Super, Signature, Avantgarde and Avantgarde Arreté – they are designed for invisible first class music and sound reproduction. The OnWall and InWalls are perfect for all surround applications, too.

The Wall speakers are all available in Discreet versions, too. It does not get more discrete than this!

GLASS/CARBON FIBRE MEMBRANES

POLYPROPYLENE SANDWICH MEMBRANES

AUDIOVECTOR T 2008 SILK DOME

AUDIOVECTOR EVOTECH SILK DOME

AUDIOVECTOR AV. AMT TWEETER

DYNAMIC FEED FORWARD X-OVER

DCS CANCELLATION SYSTEM

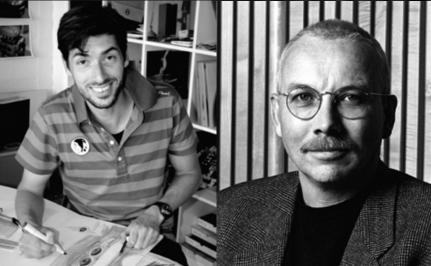
Discrete and curvacious, the OnWall and InWall's minimalistic design fit snugly, while performing like speakers three times their size.



The OnWall's extremely slim design means minimal protrusion from your wall.

#### THE PEOPLE AND TECHNOLOGY WHICH SET US APART





## OLE KLIFOTH Founder and Chief Engineer

Audiovector founder, chief Engineer and designer: acoustical and mechanical engineering plus general design ideas.

"35 years ago - in 1979 - I could not find the speaker of my dreams. So I had to build it myself. With the R11 Arreté, the situation is exactly the same. Apart from live music, I could not find any reference speaker. So I had to build it myself.

The R 11 Arreté is our goalpost for sound quality for the next decade. And it is the speaker I have been dreaming of for many, many years."

#### JACOB TRYDE Product Designer

Jacob Tryde is a young and multi-talented product designer, whose imagination tests the boundaries of conventional wisdom.

Jacob has a widespread involvement in the latest innovations in speaker design. Aside from his ongoing work with Audiovector, he is also developing pioneering prototypes of speakers, which are built using ceramics.

One of the most exciting aspects of Jacob's approach is his ability to think beyond what most people in the world of speakers think is possible.

#### LARS MATHIESEN Designer

Five times Danish Design Award winner, Lars Mathiesen has been for years a driving force in progressive Scandianavian design. A long term friend and collaborator with Ole Klifoth, they are kindred spirits when it comes to pushing new boundaries in what is possible.

Their most productive moment have come from time spent together in remote parts of the world, allowing them to think totally afresh.

It was Lars, together with Ole, who first proposed the original drop-shaped design that is central to most new Audiovector speakers.

#### LOW TOLERANCE COMPONENTS



It is crucial to the Audiovector brand that every speaker delivered can perform to the same exacting standards. This requires both the experience of skilled craftspeople (and not a mass-production assembly line), and components which will not fluctuate in value. For instance, our cross-over capacitors have a highly precise tolerance level of within 0,8% – which means you can be sure of the same Audiovector level of sound quality from every speaker that leaves our hands.

#### **TITANIUM VOICE COIL FORMERS**



Titanium's hexagonal crystal structure gives it a natural strength equal to that of steel, but with just 60% of its mass.

Most manufacturers of speakers use aluminum for their voice coil formers. Its magnetic properties result in 'hysteresis' – a delay distortion which reduces sound quality. Audiovector insist on titanium, for its combination of strength and non-magnetic qualities.

#### NCS MOLECULAR REALIGNMENT



Natural Crystal Structure (NCS) is one of the many invisible technological enhancements of all Arreté models.

By freezing components down to -238° C, the copper molecules realign themselves to their natural positions and thus reduce resistance, which clarifies the overall sound.

### ACCELLERATED TWEETER TECHNOLOGY



#### **EVOTECH SILK TWEETER**

The membrane is made from natural silk reinforced with carbon fibres. By combining a special accelerator behind the membrane with our LCC technology and placing the tweeter in an SEC open-back system, the Evotech tweeters have both superior transparency and power handling alongside extremely low distortion.

#### NON-PARALLEL CABINET DESIGN





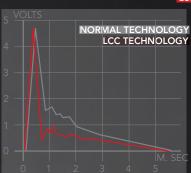


AUDIOVECTOR Si3

By avoiding parallel panels inside, we totally eliminate the internal resonance, which impairs sound quality in most other speakers. Parallel panels are a prime cause of undesirable sound coloration, which can be partially reduced by excessive damping within the box. Audiovector's non-parallel design allows for an absolute minimum of damping, which results in a cleaner, clearer and powerful sound. Actually, our teardrop shape is the perfect acoustic shape.

#### LCC TECHNOLOGY





LCC technology is responsible for the fast transient response of all Audiovector SR-series models. And for the durability of them. And their realism. No acoustic compression, no electrical compression. No problem.

#### ADVANCED DRIVER TECHNOLOGY

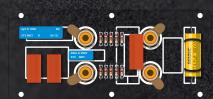
#### CARBON/GLASS FIBRE MIX WEAVE



#### NOMEX FINE FIBRE MEMBRANE-

The new Audiovector bass/mid drivers are among the world's most technically advanced. By dramatically reducing distortion using our new composite sandwich technology in connection with 3-point fixing and the latest magnet technology, we get an extremely clean and dynamic sound. On top of this, the voice coil is wound on an extremely light and stiff titanium former, which reduces delay-related distortion forms. The result is a vastly improved transient response.

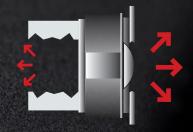
#### LOW-LOSS CROSSOVER TECHNOLOGY



Our super-simplified crossovers incorporate Dynamic Feed Forward (DFF) technology, which results in a 50% reduction in loss of our already unbeatable crossovers. With DFF and NCS cryogenic treatment on top models and asymmetrical cabling on all models, the new SR series has the most sophisticated crossover technology on the planet.

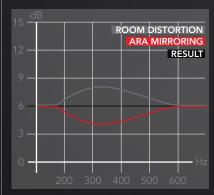
### SOUNDSTAGE ENHANCEMENT CONCEPT





With SEC, specific frequencies of rear radiation are routed through ports at the back of the SR series speakers. This creates a larger, more authentic soundstage allowing more than one person to enjoy the "sweetspot" simultaneously. Combined with LCC technology this gives a perfected transient response.

#### **AUDIOVECTOR ROOM ADAPTATION**



By creating a mirror image of the "echo distortions" in rooms with bad acoustics, the ARA circuit neutralizes room distortion. This results in a superior performance in "hostile environments".

#### TITANIUM/MAGNESIUM/ALUMINIUM



Advanced materials in the service of music. Audiovector's bass/mid range drivers are equipped with aluminum rings which reduce distortion by a factor of 10. Hysteresis distortion is virtually eliminated with high strength titanium voice coil formers and a magnesium chassis provides ample stiffness.

#### NO ENGERGY STORAGE (NES)



Drive units sound best if they do not have to 'carry' the weight of the speaker cabinet to which it is fixed. This is a question of transient response. Inspired (again!) by the solutions from the R 11 Arreté project, Audiovector has managed to use the NES concept to achieve an even higher level of realism and live feeling from the SR series speakers.

# **TECHNICAL SPECIFICATIONS**







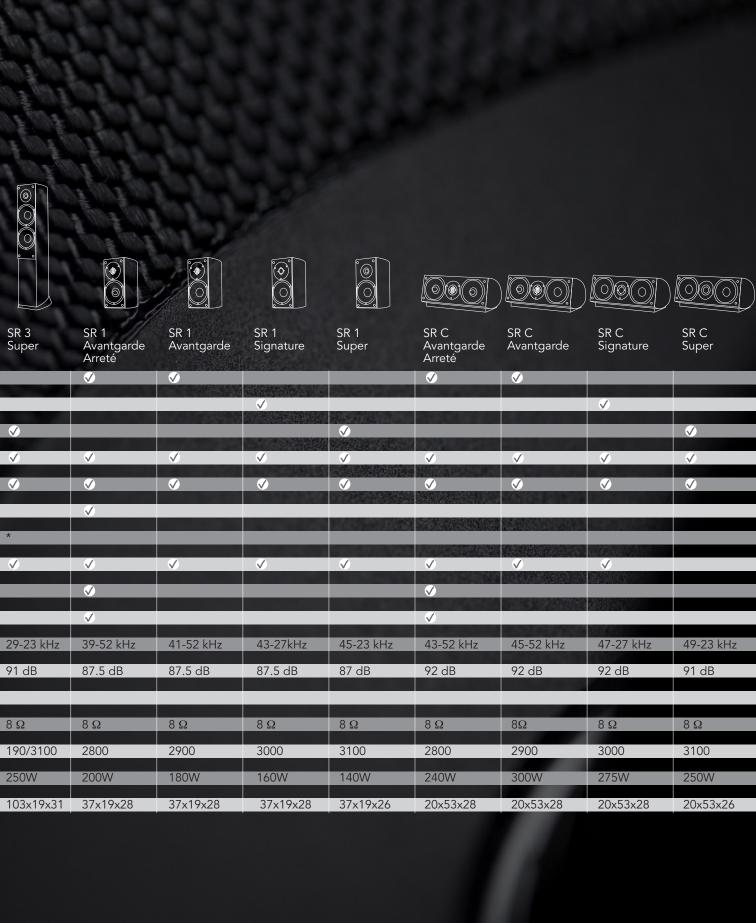


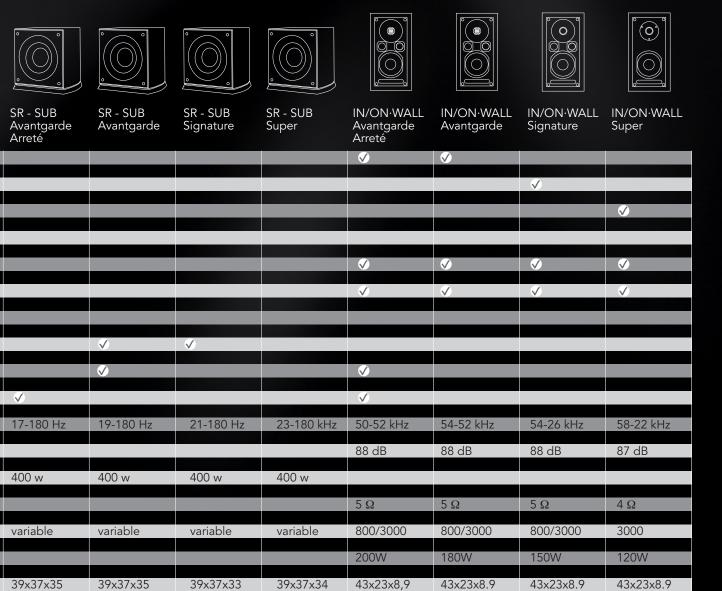




SPECIFICATIONS	SR 6 Avantgarde Arreté	SR 6 Avantgarde	SR 6 Signature	SR 3 Avantgarde Arreté	SR 3 Avantgarde	SR 3 Signature
Avantgarde Tweeter	<b>✓</b>	$\checkmark$		<b>✓</b>	✓	
3rd gen. Evotech Tweeter			✓			✓
3rd gen. Silk Tweeter	_					
SEC Treble System	<b>✓</b>	<b>√</b>	✓	✓	<b>√</b>	✓
Non Parallel Surfaces	<b>✓</b>	<b>⋖</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>⋖</b>
2nd. Gen. DFF Cross-over	<b>✓</b>	✓	<	<	<b>√</b>	
2nd. Gen. ARA Filter	_	_	_	✓	<b>⋖</b>	*
3 Point Fixing	<b>√</b>	✓	<	<	<b>✓</b>	✓
Internal Shock Absorbers	<b>✓</b>		_	✓		
NCS Freeze Technology	<b>√</b>			✓		
Frequency Range –6 dB	24-52 kHz	27-52 kHz	29-26 kHz	24-52 kHz	26-52 kHz	27-27 kHz
Sensitivity (8 Ohm)	92,5 dB	92,5 dB	92,5dB	91 .5 dB	91.5 dB	91.5 dB
Amplifier Power						
Nominal Impedance	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
X-over Frequencies	80/350/2800	80/350/2800	80/350/2800	300/2800	240/2900	210/3000
Power Handling	450w	450W	450W	350W	300W	275W
Height/Width/Depth cm	125x24x36	125x24x36	125x24x36	103x19x33	103x19x33	103x19x33

<sup>\*</sup> Can be fitted by Audiovector on order.







ZERO COMPRESSION CABLES
Audiovector's research team
hasfor years experimented
with speaker cables searching
for an improved connection
technology. This resulted
in anumber of innovative
design principles not found in
traditional cable designs.

#### ASYMMETRICAL CONFIGURATION

The first of these is ensuring our pure clean copper cables

are asymmetrical in order to avoid internal resonance. This concept is now extended to the connection between speakers and amplifier.

#### A PURE CONNECTION

Soldering has for years been the accepted best method for terminating cables. But during our research process we found that we could improve sound quality dramatically by crimping cables and plugs together. The sound becomes much purer, and transient response is shown to benefit dramatically.

#### UNCOMPRESSED

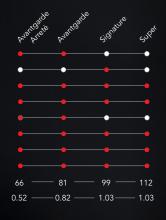
UNDISTORTED AND SHIELDED We call them ZERO compression cables. With a tonality which is completely uncompressed and a transient response that is unmatched in speed, the result is a far more precise and natural harmonic performance. By shielding the signal between

the amplifier and the speakers, we have obtained a reduction of distortion by a factor 4 compared to unshielded cables

These design principles, while using the best materials available for the cables, plugs and divide boxes, give one simple result: They release more information from the source than you have ever heard before



ASYMETRICAL FLOATING SCREENED
ASYMMETRICAL QUASI SCREENED
ASSYMETRICAL CONCEPT
99.9999999 POC
NCS FREEZE TECHNOLOGY
3.14/6.28M LENGTHS
11M DIAMETER
0,12 OHM/M RESISTANCE
CAPACITANCE: PF/M
INDUCTANCE: UH



# HAUDIOVECTOR





**JUST LISTEN** 



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