

introducing SA exact



SA exact – the universal speaker with top-class sound



## durable solutions are always more exact

**No other speaker combines the flexibility, durability and sound quality of the SA exact.**

by Ole Withøft.

Hang it on the wall or put it on a shelf. No matter where you put SA exact, the quality of the sound will still amaze you.

### too unique to label

SA exact is unlike any other speaker because it works perfectly in places where ordinary speakers seem out of place. Get used to the idea that SA exact represents a different way of thinking, one that combines flexibility, durability and world-class sound.

### related to SA explorer

SA exact is endowed with a remarkable and fascinating sound quality. The sound is far bigger than you'd expect from the speaker, and its myriad subtleties make any form of entertainment more dynamic. The speaker uses the same technology as the SA explorer floor speaker, setting new standards.



the minimalist avant-garde design makes SA exact both "invisible" and eye catching

**exact:** correct in every detail



SA exact works as a centre and front speaker

## takes advantage of the laws of acoustics

**The acoustics in SA exact have been specially adapted so the speaker works close to a wall.**

In acoustics, special rules apply when sound encounters large surfaces such as walls. When a speaker is placed near a wall, some of the sound reflects from the surface of the wall and blends with the sound it has already sent out into the room. An ordinary speaker will distort the sound if it isn't specifically designed to work in those conditions. This manifests itself, for example, in deep tones sounding fuzzy and voices sounding mumbled and incomprehensible. The acoustics in SA exact have been specially adapted to cope with large surfaces. The effects of the reflections were taken into account during the design and development stage, so SA exact works perfectly when hung on a wall, without passing on vibrations to the wall.



in a standing position, the speaker is pointed slightly upwards



hanging on the wall, the speaker is pointed straight out into the room. It has the same depth as a flat-screen TV



the logo revolves to face the right way no matter where you put the speaker



**real maple** – bright and modern



**white satin enamel paint** – minimalist and pure



**black satin enamel paint** – remarkable and raw



**real cherry** – classic and timeless

## four different finishes



**standing centre channel speaker** – for TVs on a stand or other piece of furniture



**SA explorer as front speaker** – SA exact used as centre and rear speaker

## inspiration to find the right solution

A multi-faceted speaker. SA exact is available in four different finishes, is used in four different ways and in all sorts of installations. The photos are for inspiration. Use SA exact for your own purposes.



## solutions for your home

SA exact is a modern and flexible speaker suitable for use in a music system or a home cinema set-up with high-quality sound. Use it alone or along with other SA speakers. SA exact is available in different colours and finishes, and you can even order it in a colour that suits your needs. SA exact is so dependable that it may also be used in recording studios, conference rooms, shops, cafés, restaurants, etc.

### use SA exact

- as a **front speaker**
- as a **centre channel speaker**
- as a **rear speaker**

### position SA exact

- **standing horizontally**
- **hanging horizontally** (from the built-in fixture)
- **hanging vertically** (from the built-in fixture)

### choose between these finishes

- **white** cabinet (with white or black front grille)
- **black** cabinet (with black front grille)
- **maple**, real wood veneer (with black front grille)
- **cherry**, real wood veneer (with black front grille)

### connect SA exact

- to a **music system**, with a minimum power output of 70 watts per channel
- to a **home cinema system**, with a minimum power output of 70 watts per channel
- to a **multi-room system**, with a power amplifier of minimum 70 watts per channel
- to a **computer** via a power amplifier of minimum 70 watts per channel

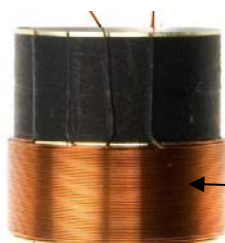
the SA W1404XL woofer



## the woofers use XL technology

Each W1404XL woofer contains new technology, with two voice coils per engine instead of one. We call it XL technology both because the sound becomes "extra large" and because it excels. These small woofers are incredibly durable and precise because the various movable parts are cast together in the same mould, not glued in place like traditional woofers.

- XL technology uses two voice coils in each woofer to reproduce the deepest tones
- XL technology makes our woofers capable of reproducing far deeper bass than woofers using traditional technology
- membrane weight: 0.9 grams, corresponding to 25 % of the weight of an ordinary piece of A4 paper
- 12 mm piston stroke (membrane movement)
- cast aluminium chassis
- the W1404XL bass element is magnetically shielded
- XL technology is only available in SA speakers



**XL technology**  
the special XL technology contains two voice coils in the speaker's motor system

**XL**  
**TECHNOLOGY**

the SA T2506XS tweeter



## the T2506XS tweeter is an acoustic masterpiece

Acoustics, precision engineering and musicality converge in the T2506XS tweeter to provide a fantastically subtle reproduction of every detail of the sound. With a weight of just 80 mg, the almost transparent membrane is possibly the lightest ever produced.

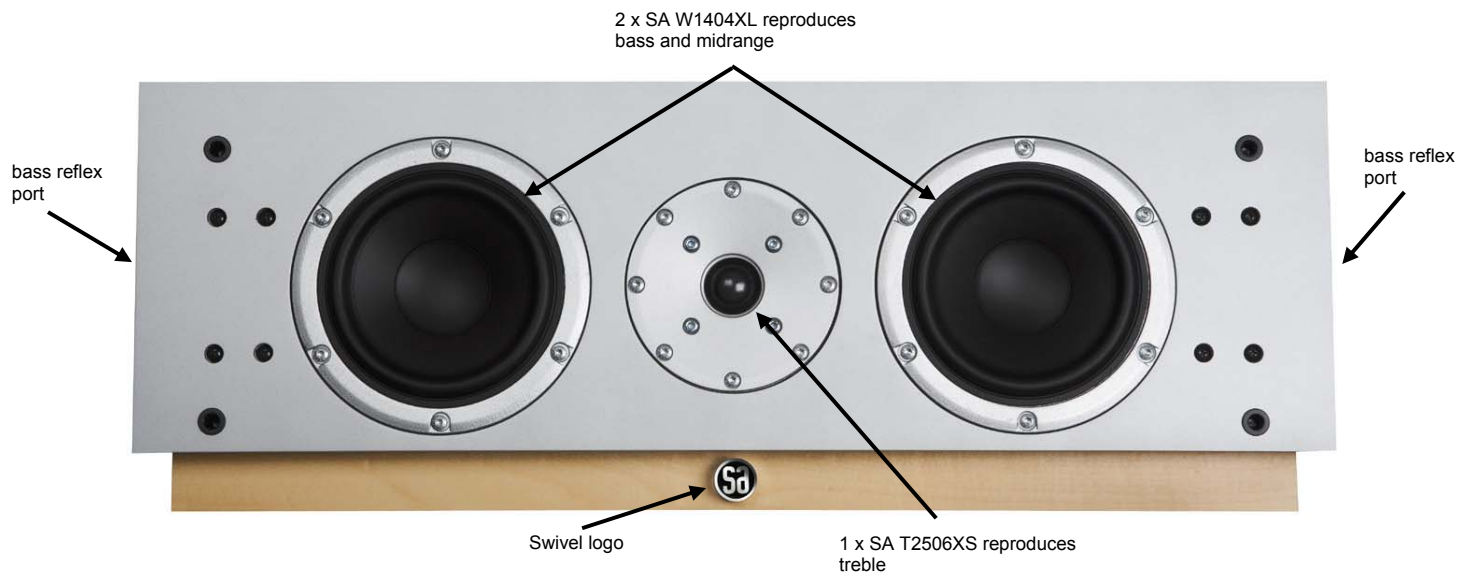
- XS technology means that a wave guide around the tweeter controls the sound dispersion so it is not reflected from the front plate and the edges of the cabinet. The wave guide is an advanced acoustic solution, which directs sound waves away from obstacles, simplifies the crossover network for the tweeter and improves the sound quality
- XS Technology ensures that the tweeter transmits sound over a greater area than traditional tweeters. You can move around, or sit in different places, and still experience a constant sound quality throughout the room. Ordinary tweeters give a focused beam of sound, meaning you have to sit right in front of the speaker to get the full benefit of the experience. XS technology extends the area in front of the speakers in which you can enjoy the best possible sound quality
- a 12 mm front plate made of cast aluminium serves as the vibration-free base from which the tweeter transmits information that requires precise membrane movements – all the way down to 0.0005 mm!!
- unique textile membrane weighing only 80mg – possibly the lightest ever produced
- separate built-in chamber behind the membrane
- resonance caused by the sound from the rear of the membrane striking the bottom plate of the magnet is eliminated by small blocks of damping material, which can be seen through the semi-transparent membrane
- the T2506XS tweeter is magnetically shielded
- XS technology is only available in SA speakers



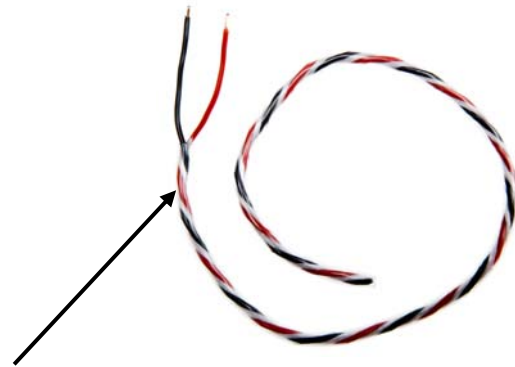
### XS technology

a wave guide is an integral part of the acoustic design in the 12 mm-thick cast-aluminium front plate. Its role is to control the sound dispersion, avoid reflections and distribute the sound uniformly throughout the room

**XS**  
TECHNOLOGY



SA exact has a bass reflex port integrated into the cabinet on each side



the speaker's interior wiring consists of the American Nordost Spellbinder cable

## technical specifications

power handling	150 Watt
frequency range (+/- 1.5 dB)	45 – 35,000 Hz
impedance	8 ohm
sensitivity (1W, 1 m)	87 dB
crossover network (24 dB/oct.)	2500 Hz
woofers	2 x W1404XL
tweeter	T2506XS
magnetic shielded	yes
bi-wiring	no
finish (real wood)	cherry or maple
finish (painted)	white or black satin –
	other colours available to order
dimensions (BxHxD)	61cm x 22.5 x 17
recommended amplifier	min. 70 watt
packaged	individually
size of package	27.5 x 33 x 67
shipping weight	12 kilo



## **watch the film in the cinema – experience it when you get home**

**Today, it's possible to enjoy a better film experience at home than you have ever had in the cinema.**

In recent decades, technological developments have improved the sound in cinemas but the picture quality has remained unchanged. Developments in home entertainment have given us the DVD player and the flat, wide-screen TV, which boast better picture quality than the cinema. Most people enjoy better sound in the cinema than at home – but you no longer have to put up with that.

SA speakers are capable of reproducing DVD sound quality. Films are now more enjoyable at home than in the cinema.

## **you enjoy entertainment**

You enjoy music and have your own collection. You like films and have a flat-screen TV for the wide-screen format. All that is missing is the speakers to match the big-picture format and your music collection. The design has to match your flat-screen TV. You want an entertainment system that provides realistic and involving sound.

Most of all, you want a solution that will last for years.  
We created SA exact for you.

