

SCANSONIC HD





Design – the Philosophy

Having worked with Raidho speakers for more than 12 years, we found ourselves faced with a completely new challenge when we started to design a new range of high-performance speakers for the Scansonic brand.

From the start, we were very focused on building on all the experiences and strengths obtained from designing the Raidho speakers. At the same time, we also had to be aware of the long heritage and the Nordic design tradition of the Scansonic brand. This time, the task also came with a budget and a desire to create the very best possible within financial limits.

It was clear to us from the very beginning, that some core techniques from the Raidho speakers would be of importance.

The speakers had to be designed around a ribbon tweeter that works with a super lightweight diaphragm which is sealed around the edges to allow for a seamless transition to the midrange region. Furthermore, they needed to be designed and developed with a speaker driver with a ridged, piston-type membrane.

Developing and building these speakers in Denmark has been a tremendous task with quite a long duration. We are very glad that a fantastic team effort made it possible - the result makes us proud.



In Denmark we have our factory with skilled craftsmen. They produce some of the finest loudspeakers in the industry under the brands Raidho and Scansonic (MB series). The craftsmanship makes sure that every detail and every situation is taken care of in a very competent manner.

One Speaker – One man

The same people that craft the high-end loudspeakers from Raidho, also build the Scansonic (MB series). In fact when it comes to final assembly, only one person does this in order to make the perfect end-product.

Quality Control

All of the MB series is each measured in many ways to make sure they live up to the reference. We measure every single speaker thoroughly.

The MB Series

The MB meets high performance and beautiful design

Cabinets:

The internal construction has an optimized airflow which combined with the minimalistic use of damping-material has created a very dynamic and linear low frequency reproduction.

The ported cabinet is tuned for optimal impulse response - resulting in a linear, dynamic and detailed low-end reproduction, while at the same time making in-room placement of the speaker very easy and versatile.

Drivers:

The woofer and midrange drivers, have been fitted with low loss spider which greatly improves the dynamic capabilities as well as expanding the frequency response in the bass region. - A very nice side effect of this is that the break-in period has been reduced greatly (around 100 hours).

Crossover:

The crossovers are designed for a very linear and natural sound, which is clearly audible throughout the whole line. The crossover has been designed to time-align all drive units at listening distance.

The result is a speaker which not only presents a big and precise soundstage - it also boasts a timing that will make your foot tap and put a big smile on your face!



MB1 B | Stand-Mount Two-Way Mini Monitor

The MB1 B is a stand-mount, two-way monitor. Our main goal was to create a small speaker that does what it does really well. The reflex port is placed in the front, and it uses special inlays that reduce noise to an extremely low level. While the speaker is small and stylish, the music performance is lively bright and bold, with a bass performance that defies its compact size. The speaker is front-ported to allow for placement near the rear wall.

The MB-series features the same good solid, two-way binding post. The feet are machined from aircraft quality aluminum and can be adjusted to level the speaker. For added rigidity, we have added a carbon sheet to the top panel; this, paired with extensive internal bracing, makes the cabinet inert and silent.

For the MB-1 we have a dedicated stand, with MB-series matching aluminum adjustable feet. The MB-1 also fits the X-1 stand.



SPECS:

Size, mm. (BxHxD):	178 x 312 x 286
Weight, kg.:	6,1 per item
Freq. response:	45 Hz – 40 KHz
Impedance:	> 8 ohm
Sensitivity:	86 db
Crossover:	2600 Hz / Minimum phase.
Enclosure:	Curved, heavily braced, ventilated box design with front loaded port
Drive units:	1 x Ribbon tweeter · 1 x 5,25" Mid/Woofer
Finish:	Black-silk, White-silk or Walnut
Amplification:	We recommend high quality amplifiers >50W



MB2.5 B | Slim Floor Stander

The MB2.5 B is a slim floorstander with two 5,25" carbon-coned drivers and a sealed ribbon tweeter. The MB2.5 B is a 2.5-way speaker with the second woofer assisting in the power demanding bass region. The 2.5s cabinet is heavy, braced and curved, with carbon reinforcements.

The MB2.5 B has a solid foundation in the Nordic design tradition.

It is simple, sleek, elegant and visually square when seen directly from the front, and curved and organic when seen from an angle.

The rounded edges of the cabinet reduces diffraction and minimizes the sonic imprint on the frequency response. It does not matter if your home is modern or classic, the timeless design of the MB2.5 B will fit in any home.

SPECS:

Size, mm. (BxHxD):	178 x 998 x 286
Weight, kg.:	15,6 per item
Freq. response:	36 Hz – 40 KHz
Impedance:	> 6 ohm
Sensitivity:	88 db
Crossover:	500 Hz + 2600 Hz / Minimum phase
Enclosure:	Curved, heavily braced, ventilated box design with front loaded port and adjustable aluminum feet
Drive units:	1 x Ribbon tweeter · 1 x 5,25" Mid/Woofer · 1 x 5,25" Woofer
Finish:	Black-silk, White-silk or Walnut
Amplification:	We recommend high quality amplifiers >50W



MB3.5 B | Slim Floor Stander

The MB3.5 B is a slim floorstander with two 5,25" carbon-coned drivers, a sealed ribbon tweeter and two 6,5" woofers. The MB3.5 B works as a 3-way speaker, where the two midrange-woofers are supported by two 6,5" aluminum coned woofers. The two carbon midrange-woofers are run in series for increased power handling.

The MB3.5 B cabinet is heavy, braced and curved, with carbon reinforcements. The speaker is crossed over at 2600 Hz and the two added side woofers assist up to 150 Hz.

The MB-series features high quality crossover with top quality components. The filter has been carefully tailored to linearize the frequency region where cone and cabinet geometry play a role and also to carefully tune the speaker to a natural sounding frequency response.



SPECS:	
Size, mm. (BxHxD):	178 x 1138 x 286
Weight, kg.:	24,5 per item
Freq. response:	27 Hz – 40 KHz
Impedance:	> 5 ohm
Sensitivity:	89 db
Crossover:	150 Hz + 2600 Hz / Minimum phase
Enclosure:	Curved, heavily braced, ventilated box design with front loaded port and adjustable aluminum feet
Drive units:	1 x Ribbon tweeter · 2 x 5,25" Mid/Woofer · 2 x 6,5" Woofer (Side firing)
Finish:	Black-silk, White-silk or Walnut
Amplification:	We recommend high quality amplifiers >50W



MB5 B | Slim Floor Stander

The MB5 B is a unique slim floor stander with four 5,25" carbon-coned drivers and a sealed ribbon tweeter. The MB5 works as a 2,5-way speaker design, where two 5,25" carbon coned midrange-woofers are supported by two additional Carbon coned drivers for additional base performance. The two carbon midrange-woofers are run in series for an increased and dynamic power handling.

The MB5 cabinet is heavy braced, curved and with solid carbon reinforcements.

The speaker is crossed over at 2600 Hz and the two added side woofers assist up to 250 Hz. The MB5 B carries the base right down to the deepest notes and does that with an effortless drive that will leave amazed.



SPECS:

Size, mm. (BxHxD):	178 x 1185 x 319
Weight, kg.:	25 per item
Freq. response:	29 Hz – 40 KHz
Impedance:	> 4 ohm
Sensitivity:	90 db
Crossover:	250 Hz + 2600 Hz / Minimum phase
Enclosure:	Curved, heavily braced, ventilated box design with adjustable aluminum feet
Drive units:	1 x Ribbon tweeter · 1 x 5,25" Midrange · 3 x 5,25" Woofer
Finish:	Black-silk, White-silk or Walnut
Amplification:	We recommend high quality amplifiers >50W



MB6 B | Slim Floor Stander

The MB6 B is the Scansonic flagship speaker. Tall, slim and elegantly curved it follows the core of traditions in Danish loudspeaker design.

The design is centered around the ultra light moving mass sealed ribbon tweeter, that has unique speed, resolution and dynamic transient capability. This makes for a very transparent and highly detailed reproduction of the finest details in the program material.

The MB6 B boasts a powerful lineup of 6 x 5,25" carbon coned dynamic drivers, arranged in a power sharing line array.

The inner pair of the driver covers the midrange up to where the tweeter takes over and as you move out from the center the driver covers more and more of the lower registries.

In the deepest bass the line array boast a total membrane area larger than a 12" driver, but still with the speed and agility of the smaller drivers. This makes the MB6 B have outstanding capabilities even in the deepest bass.

The MB6 B is an incredible music performer with an impact an authority the will leave you breathless.



SPECS:

Size, mm. (BxHxD):	178 x 1410 x 410
Weight, kg.:	35 per item
Freq. response:	27 Hz – 40 KHz
Impedance:	> 4 ohm
Sensitivity:	90 db
Crossover:	250 Hz + 2600 Hz / Minimum phase
Enclosure:	Curved, heavily braced, ventilated box design with adjustable aluminum feet
Drive units:	1 x Ribbon tweeter · 2 x 5,25" Midrange · 4 x 5,25" Woofer
Finish:	Black-silk, White-silk or Walnut
Amplification:	We recommend high quality amplifiers >50W



MB Center B | For a Home Theatre Setup

The MB Center B is a high performance center channel for a MB home theatre setup. The MB-Center B is like the other MB series speakers built around the amazing MB sealed ribbon planer tweeter. This allows for a stress-free, dynamic and detailed treble presentation.

The main focus on the center speaker has been the frequency range where diction of speech is dominant.

Target has been To present the vital area clean and as articulated as absolutely possible.

The MB-Center has the same dynamic driver section as the MB-2.5 which gives the MB-Center a large dynamic scale and limitless headroom.



SPECS:	
Size, mm. (BxHxD):	480 x 178 x 286
Weight, kg.:	10,3
Freq. response:	45 Hz – 40kHz
Impedance:	> 4 ohm
Crossover:	3.5 kHz 2. order acoustic slope 250 HZ 1. Order slope
Enclosure:	Curved, heavily braced, ventilated box design with adjustable aluminum feet
Drive units:	1 sealed ribbon tweeter with Kapton/aluminum sandwich membrane/ 2 carbon coned 5,25" bass/mid driver with overhung magnet system
Finish:	Black-silk, White-silk or Walnut
Amplification:	We recommend high quality amplifiers >50W



MB10 | Subwoofer

The MB10 Subwoofer is not only great in a home cinema setup, it also blends seamless into a good stereo system. Using our knowledge and expertise in designing high-end loudspeakers, we focused on making the MB10 reproduce bass in a more natural and "honest" way, than normally seen in subwoofers. Using a class A/B amplifier instead of the commonly used Class D, plays a key role in the MB10's natural and dynamic performance. This combined with a low mass 10" woofer, and an enclosure tuned to match the woofer, means we don't use any frequency equalization circuits. The result is a subwoofer which sounds articulate and refined without any booming – blending effortlessly in to any high quality music system. While at the same time having the ability to rattle the room when watching a movie.

The MB10 Subwoofer is not only great in a home cinema setup, it also blends seamless into a good stereo system.



SPECS:	
Size, mm. (BxHxD):	360 x 418 x 360
Weight, kg.:	15,4
Freq. response:	25 Hz – 150 Hz (adjustable)
Amplifier:	100W Rms, Class AB
Inputs:	Line as well as low impedance input
Enclosure:	Rear ported
Drive units:	10" long throw, low mass driver – Down-firing
Finish:	Black-silk or White-silk
Power consumption:	<0.9A – standby, on: 10-300W

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