

SCANSONIC HD



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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.

WEIGHT LOSS FOR RESOLUTION TRANSIENTS AND SUPERB LEADING EDGES

The MB ribbon tweeter has a membrane with an extremely low mass. It is formed by a Kapton-aluminum sandwich that is only 20 um thick, and the resulting mass is app. 0.03 g., which is approximately 50 times less than any conventional textile, ceramic, beryllium or diamond dome. The lower mass translates directly into higher resolution and less material coloration.

WEAVED CARBON CONES FOR STIFFNESS AND LOW COMPRESSION

For the MB-series, we have developed a ridged, dustcap free, carbon membrane. By carefully optimizing the shape and stiffness, we have succeeded in making a very quiet woofer that blends beautifully with the ribbon tweeter. The woofer has an overhung magnet system, with long linear stroke and excellent bass performance.



MB-1 | Stand-mount two-way mini monitor

All 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.

The MB-1 is a stand-mount, two-way mini 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.



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

The MB-1 also fits the Single stand.





MB-2.5 | Slim floorstander

The MB 2.5 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 MB-2.5 will fit in any home.

The MB-2.5 is a slim floorstander with two 4.5" carbon-coned drivers and a sealed ribbon tweeter. The MB-2.5 is a 2.5-way speaker with the second woofer assisting in the power demanding bass region. The 2.5's cabinet is heavily, braced and curved, with carbon reinforcements. The speaker is crossed over at 3.5 kHz, and the second woofer assists up to 200 Hz.



MB-3.5 | Slim floorstander

The MB-3.5 is a slim floorstander with two 4.5" carbon-coned drivers, a sealed ribbon tweeter and two 6.5" woofers. The MB-3.5 works as a 2.5-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 MB-3.5 cabinet is heavy, braced and curved, with carbon reinforcements. The speaker is crossed over at 3.5 kHz and the two added side woofers assist up to 200 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.





MB-5 | Slim floorstander



The MB-5 is a unique slim floor stander with four 4.5" carbon-coned drivers and a sealed ribbon tweeter. The 5 works as a 2.5-way speaker design, where two 4.5" 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 5 cabinet is heavy braced, curved and with solid carbon reinforcements. The speaker is crossed over at 3.5 kHz. The MB-5 carries the base right down to the deepest notes and does that with an effortless drive that will you leave amazed.



MB-6 | Slim floorstander



The MB-6 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 tweeter is crossed over to dynamic driver array at 3 KHz. The MB-6 boasts a powerful lineup of 6, 4.5" 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 MB-6 have outstanding capabilities even in the deepest bass. The MB-6 is an incredible music performer with an impact an authority that will leave you breathless.



Optional for the MB-1 | Speaker stand Twin

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

The MB-1 also fits the Single stand.



MB-Center | For a home theatre setup

The MB-Center is a high performance center channel for a MB home theatre setup.

The MB-Center is like the other MB series speakers built around the amazing MB sealed ribbon 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.



M-5 | Compact, two-way stand-mount mini-monitor



The M-5 speaker is a compact, two-way, stand-mount mini-monitor. The speaker is designed around an ultralight ribbon planar tweeter and a paper-polypropylene compound bass-midrange driver membrane. The speaker is crossed over at 3.5 KHz with a second order filter.



M-6 | Compact, 2.5 way, floorstanding speaker



The M-6 is a compact, 2.5-way, floorstanding speaker. The speaker is designed around an ultralight ribbon planar tweeter and two paper-polypropylene compound bass-midrange drivers. The bass driver assists up to app. 300 Hz for added bass capability. The speaker is front ported in the bottom and is crossed over at 3.5 kHz with a second order filter.



M-9 | 3-way, floorstanding speaker



The M-9 is a 3-way floorstanding speaker. The speaker is designed around an ultralight ribbon planar tweeter and two paper-polypropylene, compound midrange drivers with a side-mount 8" bass driver for the lowest frequencies. The speaker is front ported in the bottom and is crossed over at 3.5 kHz and 300 Hz with second order slopes.



M-8 | Active subwoofer



The M8 Subwoofer features a heavy-duty 8" woofer, with a very powerful magnet system which enables the driver to achieve its long linear excursion. The built in class A/B amplifier controls the woofer with ease, and is part of the secret behind the M8 subwoofers fantastic speed and agility, making it equally ideal for both movie and music.





MB-10 | Subwoofer

The MB10 Subwoofer is not only great in a home cinema setup, it also blends seamlessly 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.





M-5 BTL active | Two-way, wireless mini-monitor

M-5 BTL. If your device supports aptX, you will not only benefit from the very good audio properties with full CD quality data transfer, you will also benefit from the unique feature that aptX connects directly to your device. On the contrary, our wireless speakers work with any Bluetooth device, even if they are not aptX compatible. Another great feature of aptX is that it also connects directly between devices. This means that the streaming data connection through your home Wi-Fi system is not congested with the audio data stream to the speakers. The active Scansonic BTL speaker models also have two RCA/PCM wired inputs and optical TOS-link input. For the amplifier we have chosen to work with the high performing class-AB amplifiers to ensure the best latency. To ensure better timing between channels, we have chosen to transmit the wireless data to just one speaker where the amplifier driving both channels is placed.

The M-5 BTL speaker is a compact, two-way, stand-mount mini-monitor. The speaker is designed around an ultralight ribbon planar tweeter and a paper-polypropylene compound bass-midrange driver membrane. The speaker is crossed over at 3.5 KHz with a second order filter. The M-5 BTL is active with 2.4GHz aptX streaming capability and four direct-wired and digital inputs. The speaker is wireless and has a powerful, 50W, class-AB amplifier built in.



LEARNING

For the The M-5 BTL, we have opted for learning function. The learning function means that the speaker is capable of learning the codes from your existing remote control. There are several good reasons as to why we selected the aptX, 2.4GHz wireless data transmission system for our powered and wireless speakers. .



M-6 BTL active | Compact, 2.5-way, floorstanding wireless speaker

If your device supports aptX, you will not only benefit from the very good audio properties with full CD quality data transfer, you will also benefit from the unique feature that aptX connects directly to your device. On the contrary, our wireless speakers work with any Bluetooth device, even if they are not aptX compatible. Another great feature of aptX is that it also connects directly between devices. This means that the streaming data connection through your home Wi-Fi system is not congested with the audio data stream to the speakers. The active Scansonic BTL speaker models also have two RCA/PCM wired inputs and optical TOS-link input. For the amplifier we have chosen to work with the high performing class-AB amplifiers to ensure the best latency. To ensure better timing between channels, we have chosen to transmit the wireless data to just one speaker where the amplifier driving both channels is placed.

The M-6 BTL speaker is designed around an ultralight ribbon planar tweeter and two paper-polypropylene compound bass-midrange drivers. The bass driver assists up to app. 300 Hz for added bass capability. The speaker is front ported in the bottom and is crossed over at 3.5 kHz with a second order filter. The M-6 BTL is active with 2.4GHz aptX streaming capability and four directwired and digital inputs. The speaker is wireless and has a powerful, 60W, class-AB amplifier built in.



LEARNING

For the The M-6 BTL, we have opted for learning function. The learning function means that the speaker is capable of learning the codes from your existing remote control. There are several good reasons as to why we selected the aptX, 2.4GHz wireless data transmission system for our powered and wireless speakers.





M-9 BTL active | 3-way, floorstanding wireless speaker

The M-9 BTL is designed around an ultralight ribbon planar tweeter and two paper-polypropylene, compound midrange drivers with a side-mount 8" bass driver for the lowest frequencies. The speaker is front ported in the bottom and is crossed over at 3.5 kHz and 300 Hz with second order slopes. The M-9 BTL is active with 2.4GHz aptX streaming capability and four direct-wired and digital inputs. The speaker is wireless and has a powerful, 80W, class-AB amplifier built in.



LEARNING

For the The M-9 BTL, we have opted for learning function. The learning function means that the speaker is capable of learning the codes from your existing remote control. There are several good reasons as to why we selected the aptX, 2.4GHz wireless data transmission system for our powered and wireless speakers.

If you device supports aptX, you will not only benefit from the very good audio properties with full CD quality data transfer, you will also benefit from the unique feature that aptX connects directly to your device. On the contrary, our wireless speakers work with any Bluetooth device, even if they are not aptX compatible. Another great feature of aptX is that it also connects directly between devices. This means that the streaming data connection through your home Wi-Fi system is not congested with the audio data stream to the speakers.

The active Scansonic BTL speaker models also have two RCA/PCM wired inputs and optical TOS-link input. For the amplifier we have chosen to work with the high performing class-AB amplifiers to ensure the best latency. To ensure better timing between channels, we have chosen to transmit the wireless data to just one speaker where the amplifier driving both channels is placed.



M-10 | Stand-mount



- The M10 is a compact two-way mini-monitor, featuring a high-resolution ribbon tweeter which, in combination with its 4" Honeycomb enforced glass-fiber cone, delivers an open and detailed sound, with extraordinary low levels of distortion.





M-20 | Floorstander



The M20 is a compact and elegant 2.5-way, floor-standing speaker.

The speaker features a high-resolution ribbon tweeter, normally only seen in much higher priced products. In the M20, the tweeter blends seamlessly with the 4" honeycomb enforced glass-fiber midrange/ woofer driver, which is furthermore assisted in the lower frequencies by a dedicated 4" woofer.



M-40 | Floorstander



The M40 is a powerful and elegant 2.5-way, floor-standing speaker.

The speaker features a high-resolution ribbon tweeter, normally only seen in much higher priced products.

In the M40, the tweeter blends seamlessly with two 4" honeycomb enforced glass-fiber midrange/woofer drivers, arranged in a MTM configuration.

The two midrange/woofer drivers are supported in the lower frequency regions by an array of 2 dedicated bass drivers.

Don't let the slim and elegant looks fool you - the M40 can really rock the house, when it's four 4" woofers are put to work.



Scansonic HD | Technical Specifications

MB-1	
Size: (WxHxD)	178 x 312 x 286 mm
Weight:	6.1 kg
Freq. response:	50 Hz - 40 kHz
Impedance:	> 6 ohm
Crossover:	3.5 kHz 2. order acoustic slope
Enclosure:	Curved, heavily braced, ventilated box design with front loaded port
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane! 1 carbon coned 4.5" bass/mid driver with overhung magnet system
Finish:	Black-silk or White-silk
Amplification:	We recommend high quality amplifiers >50W
MB-2.5	
Size: (WxHxD)	178 x 998 x 286 mm
Weight:	15.6 kg
Freq. response:	40 Hz - 40 kHz
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 4.5" bass/mid driver with overhung magnet system!
Finish:	Black-silk or White-silk
Amplification:	We recommend high quality amplifiers >50W
MB-3.5	
Size: (WxHxD)	178 x 1138 x 286 mm
Weight:	20.8 kg
Freq. response:	30 Hz - 40 kHz
Impedance:	> 6 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 4.5" bass/mid driver with overhung magnet system 2 Aluminum coned 6.5" bass drivers
Finish:	Black-silk or White-silk
Amplification:	We recommend high quality amplifiers >50W
MB-5	
Size: (WxHxD)	178 x 1185 x 319 mm
Weight:	24 kg
Freq. response:	30 Hz - 40 kHz
Impedance:	> 4 ohm
Crossover:	3.5 kHz 2. order acoustic slope 200 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 4 carbon coned 4.5" bass/mid driver with overhung magnet system
Finish:	Black-silk or White-silk
Amplification:	We recommend high quality amplifiers >50W
MB-6	
Size: (WxHxD)	178 x 1410 x 410 mm
Weight:	36.5 kg
Freq. response:	30 Hz - 40 kHz
Impedance:	> 4 ohm
Crossover:	3.5 kHz 2. order acoustic slope 300 Hz 2.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 4.5" bass/mid driver with overhung magnet system! 4 carbon coned 4.5" woofers
Finish:	Black-silk or White-silk
Amplification:	We recommend high quality amplifiers >50W
MB-Center	
Size: (WxHxD)	480 x 178 x 286 mm
Weight:	10.3 kg
Freq. response:	45 Hz - 40 kHz
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 4.5" bass/mid driver with overhung magnet system
Finish:	Black-silk or White-silk
Amplification:	We recommend high quality amplifiers >50W
M-5	
Size: (WxHxD)	151 x 265 x 151 mm
Weight:	3.4 kg
Freq. response:	55 Hz - 30 kHz
Impedance:	> 6 ohm
Crossover:	3.5 KHz 2. order acoustic slope
Enclosure:	Heavily braced, ventilated box design with front loaded port
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane 1 paper-polypropylene coned 4.5" bass/mid driver with underhung magnet system
Finish:	Black-piano or White-pian
Amplification:	We recommend high quality amplifiers >50W
M-6	
Size: (WxHxD)	151 x 900 x 198 mm
Weight:	5.8 kg
Freq. response:	50 Hz - 30 kHz
Impedance:	> 4 ohm
Crossover:	3.5 KHz - 2. order acoustic slope 300 Hz - 1. order
Enclosure:	Heavily braced, ventilated box design with front loaded port
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane 2 paper-polypropylene coned 4.5" bass/mid driver with underhung magnet system
Finish:	Black-piano or White-piano
Amplification:	We recommend high quality amplifiers >50W
M-9	
Size: (WxHxD)	151 x 900 x 298 mm
Weight:	21.5 kg
Freq. response:	40 Hz - 30 kHz
Impedance:	> 6 ohm
Crossover:	3.5 KHz - 2. order acoustic slope 300 Hz - 1. order
Enclosure:	Heavily braced, ventilated box design with front loaded port
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane 2 paper-polypropylene coned 4.5" bass/mid driver with underhung magnet system 1 8" woofer

Finish:	Black-piano or White-piano
Amplification:	We recommend high quality amplifiers >50W
M-8	
Size: (WxHxD)	270 x 303 x 315 mm
Weight:	12.9 kg
Freq. response:	30 Hz - 160 Hz (adjustable)
Impedance:	> 8 ohm
Sensitivity:	190mV
Crossover:	Electronic
Enclosure:	Resonance-free MDF
Drive unit:	8" woofer
Finish:	Black-piano or White-piano
Amplifier:	100 W RMS
MB-10	
Size: (WxHxD)	360 x 418 x 360 mm
Weight:	15.4 kg
Freq. response:	25 Hz - 150 Hz (adjustable)
Amplifier:	100W Rms, Class AB
Inputs:	Line as well as low impedance input
Enclosure:	Rear ported
Drive unit:	10" long throw, low mass driver - Down-firing
Power consumption:	<0.9A - standby, on: 10-300W
Finish:	Black or White matt silk
M-5 BTL	
Size: (WxHxD)	151 x 265 x 151 mm
Weight:	5.4 kg
Freq. response:	55 Hz - 30 kHz
Impedance:	> 6 ohm
Crossover:	3.5 KHz 2. order acoustic slope
Enclosure:	Heavily braced, ventilated box design with front loaded port
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane 1 paper-polypropylene coned 4.5" bass/mid driver with underhung magnet system
Finish:	Black-piano or White-piano
Amplification:	50 W Class A-B
Inputs:	Wireless: 2.4GHz aptX
Optical:	Toslink optical inputs
Wired:	2 RCA PCM inputs
Remote-control:	Learning function
M-6 BTL	
Size: (WxHxD)	151 x 900 x 198 mm
Weight:	17.8 kg
Freq. response:	50 Hz - 30 kHz
Impedance:	> 4 ohm
Crossover:	3.5 KHz - 2. order acoustic slope 300 Hz - 1. order
Enclosure:	Heavily braced, ventilated box design with front loaded port
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane 2 paper-polypropylene coned 4.5" bass/mid driver with underhung magnet system
Finish:	Black-piano or White-piano
Amplification:	60 W Class A-B
Inputs:	Wireless: 2.4GHz aptX
Optical:	Toslink optical inputs
Wired:	2 RCA PCM inputs
Remote-control:	Learning function
M-9 BTL	
Size: (WxHxD)	151 x 900 x 298 mm
Weight:	23.6 kg
Freq. response:	40 Hz - 30 kHz
Impedance:	> 6 ohm
Crossover:	3.5 KHz - 2. order acoustic slope 300 Hz - 1. order

Enclosure:	Heavily braced, ventilated box design with front loaded port
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane 2 paper-polypropylene coned 4.5" bass/mid driver with underhung magnet system 1 8" woofer
Finish:	Black-piano or White-piano
Amplification:	80 W Class A-B
Inputs:	Wireless: 2.4GHz aptX
Optical:	Toslink optical inputs
Wired:	2 RCA PCM inputs
Remote-control:	Learning function
M10	
Size: (WxHxD)	130 x 303 x 196 mm
Weight:	4 kg
Freq. response:	70 Hz - 40 KHz
Impedance:	6 ohm
Crossover:	4 KHz 2. Order
Principle:	2 -Way Bas-reflex loaded
Sensitivity:	85dB
Enclosure:	Heavily braced, rear firing ports.
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane. 1 Mid/woofer 4", Honeycomb enforced glass fiber cone.
Finish:	Silk White or Silk Black
Amplification:	We recommend high quality 50 - 100 W amplifiers
M20	
Size: (WxHxD)	220 x 935 x 250 mm
Weight:	12.1 kg
Freq. response:	50 Hz - 40 KHz
Impedance:	4 ohm
Crossover:	4 KHz 2. Order 300 Hz 1. order
Principle:	2.5 -Way Bas-reflex loaded
Sensitivity:	86.5dB
Enclosure:	Heavily braced, rear firing ports.
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane. 1 Mid/woofer 4", Phaseplug + Honeycomb enforced glass fiber cone. 1 Woofers 4", Honeycomb enforced glass fiber cone.
Finish:	Silk White or Silk Black
Amplification:	We recommend high quality 100 - 200 W amplifiers
M40	
Size: (WxHxD)	220 x 1085 x 295 mm
Weight:	18 kg
Freq. response:	45 Hz - 40 KHz
Impedance:	6 ohm
Crossover:	4 KHz 2. Order 300 Hz 1. order
Principle:	2.5 Way Bas-reflex loaded
Sensitivity:	88 dB
Enclosure:	Heavily braced, ported design, rear firing ports.
Drive units:	1 sealed ribbon tweeter with kapton/aluminum sandwich membrane. 2 Mid/woofer 4", Phaseplug + Honeycomb enforced glass fiber cone. 4 Woofers 4", Honeycomb enforced glass fiber cone.
Finish:	Silk White or Silk Black
Amplification:	We recommend high quality 100 - 300 W amplifiers