



UNLEASH THE MUSIC



morel's approach to product design is very simple "Make it look good and make it sound good." With over 30 years experience manufacturing some of the world's finest loudspeaker drive units, Morel has a solid background to draw on to develop the loudspeaker systems within this catalogue.

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design

The design language applied to all models is a fusion of art and science. Defined by the top of the range fat lady, only the application and cost of the product being the limiting factors.

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listening

Morel home speaker systems are easy to position in the room and can be driven with any type of amplifier. Listening to all types of music will without doubt be an enjoyable experience, including the old less well recorded favourites.

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your choice

Whilst the technical story is undoubtedly very interesting, all you the customer need to do is ask yourself the following questions:

Do I like the way it looks? Does it sound good? Simple really.



fat lady

"... these are indeed serious loudspeakers, a true affirmation of know-how on the part of Morel. What we have here is a high level high end design, a floorstander able to combine like just a few others the ability to reproduce the lowest level sounds, with the stamina called for to take us to the realm of overwhelming dynamics, emotionally involving in a truly convincing way. ... this is still more reason to acclaim what has been achieved, in a not easily met conjugation of technology and acoustic performance."

Reviewed by Jorge Goncalves, Audio & Cinema em Casa



fat lady

The fat lady represents a journey of discovery for Morel lasting more than 3 years. The goal to develop not only a true high-end loudspeaker but to use that knowledge to introduce a new philosophy and direction for the company.

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Winner of the 2009 Ces Design and Engineering innovation award, the fat lady really is a technical tour de force incorporating many innovative design solutions.

The cabinet borrows technology from Formula One racing cars in that it is fashioned from Carbon Fibre composite. The curved form with no straight lines resembles a musical instrument and unlike conventional speaker systems has no internal damping at all. The cabinet is empty as Morel deliberately designed it to vibrate with the drive units and use this energy as part of the reproduced sound.

The all important midrange frequencies are handled by a rather remarkable 6" drive unit fitted with the new Morel Carbon Fibre /Rohacell sandwich cone. This unit when connected without a crossover is able to reproduce a full range sound from 40 Hz up to 15 KHz, without doubt a significant contributor to the open natural sound of the fat lady.

The true test of a loudspeaker is to listen to it. Auditioning the fat lady promises to be an exciting experience.

As they say: "It's not over till the fat lady sings."







sopran

Winner of the 2013 CES Design and Engineering Innovations award, the Sopran is a true testament to the concept of "form follows function" showing that utilizing the latest in technology to seek further than the conventional boxy speaker does not have to be boring.

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Our R&D team of experts and capable designers set their goals to stretch the boundaries even further than before and engineer a high-end speaker able of recreating the excitement of live music, in a refined visual package that would appeal to a broader audience.

The Sopran 3-way (five drive units) is a combination of creative vision and acoustic physics. Featuring Morel's most advanced technologies; internal standing waves diffusion shaped the curved carbon fibre composite cabinet enabling no internal absorption material, creating a speaker so transparent and natural that it sounds as if there was no cabinet at all. For tight and controlled bass reproduction a new in-line port technology was developed molding the speakers back "spine" appearance for a significantly improved soundstage and realism. Completing the cabinet design are the new innovative Lotus grilles*, that considerably reduce distortion levels usually created by other protective covers.

Leveraging our latest transducer technology we developed new 6-inch drivers utilizing titanium support mechanism that transfers the motor force to the membrane with minimal energy lose to preserve the drama and dynamics of the original sound, creating a tactile musical experience.



* The Lotus grille is a registered design protecting Morel's intellectual property.





octave 6

Inspired by our reference speaker, the *fat lady*, the Octave 6 follows Morel's new design principals to recreate the excitement of live music whilst preserving tonal accuracy and dynamics.

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Our R&D team set the goals high; to create a speaker that could integrate in the living space, enabling listeners outside the centre "sweet spot" to also enjoy the performance. The new series was also designed to be "amplifier friendly" so it is able to work with tube and solid-state amps to recreate musical enjoyment.

The new gently curved MDF cabinet architecture was made to keep some past attributes yet with an up to date modern style. It is painted and hand-polished with 6 layers of lacquer, to a high-gloss piano finish, complimented by the near acoustically transparent stylish Lotus grilles*. Like the innovative cabinet concept used in the *fat lady*, the Octave 6 is void of internal damping. To avoid a boxy sound – new internal vertical baffle with acoustic apertures is placed in the middle to break up standing waves resulting in a speaker that sounds as if there is no cabinet at all.

The special transducers engineered for the Octave 6 are the heart and soul of the new series. Based on Morel's most advance technology, the new mid-bass unit employs an oversized 3-inch aluminum voice coil over a titanium base encapsulating a powerful Hybrid motor, while the tweeter features our renowned 1.1" Acuflex™ soft dome. The innovative crossover topology preserves the life and dynamics of the original sound in a live performance.



* The Lotus grille is a registered design protecting Morel's intellectual property.



octave signature

The original Octave was introduced some ten years ago. Since that time it has evolved but retains the original shape and character, which can best be described as the ultimate "small speaker with a big sound."

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The fat lady project had a profound effect on the Morel R&D team with many new design technologies that improve sound quality, so it comes as no surprise to find a number of these technologies applied to the 2009 version of the Octave.

Like the fat lady, the Octave Signature now has no internal damping, but due to its rectangular dimensions, requires a specially arranged internal baffling system to reduce standing waves inside the cabinet. As with the fat lady the benefit is a speaker that sounds like it has no cabinet at all.

The Octave Signature series consists of the Octave Signature Bookshelf, Octave Signature Centre and Octave Signature Subwoofer. Designed in modular form the Octave Signature Subwoofer can be added to the Octave Signature Bookshelf to create a true 3 way loudspeaker system for stereo applications. Alternatively combined with the Signature AMP 2100 the Octave Signature Subwoofer becomes the LF channel in a 5.1 Home Cinema system, eliminating the need to find a home for a conventional square box subwoofer.



octave signature



OCTAVE SIGNATURE
BOOKSHELF

The heart of the Octave Signature is the 5¼" bass midrange driver, equipped with an enormous 3" voice coil inside of which is placed the magnet system. This unusually large voice coil configuration is three times larger than on conventional drive units of this size. Bass output from this drive unit is surprisingly deep and powerful yet very articulate.



OCTAVE SIGNATURE FLOOR-
STANDING

Profiled to allow the Octave Signature Bookshelf to sit on top to create a single visual structure, the Octave Signature Subwoofer takes up no more floor space than a pair of speaker stands. Technical highlights include Isobaric loading which reduces the cabinet size by half for the same bass extension. A built in passive crossover designed to create a seamless transition from the Octave Signature Subwoofer to the Octave Signature Bookshelf.



OCTAVE SIGNATURE CENTRE

Based on the Octave Signature, the Centre uses the same woofer and tweeter but adds 2 extra woofers to create a powerful and articulate centre speaker system. By placing the tweeter on top of the cabinet above the midrange unit, the Octave Signature Centre creates a more stable sound stage, particularly when listening off axis.





solan 5.1

Relying on four decades of experience, know-how and innovations – Morel took the challenge, to deliver to a broader audience of music lovers a high quality music experience. The Solan is truly the entrance to Morel.



Designed for both 2-channel and home theatre systems, the Solan series fulfills the primary objective of recreating the electric atmosphere generated at a concert as well as accurately reproducing the sound of live unamplified instruments and voices.

Superior craftsmanship, innovative technology and refined design elements; such as the front glossy finish front baffle, brushed aluminum base plate and Morel's innovative Lotus grille*, set it apart from other products in this price category.

In the middle of the Solan cabinet a vertical baffle with acoustic apertures was designed to break up standing waves, crucial to achieve natural sound. The new In-line bass reflex port technology is deployed at the rear of the bass/mid unit to achieve a tight and articulate bass reproduction as well as a realistic sound and presence to the midrange.

The Solan series is sure to stir emotions for its style, quality performance, and value.



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soundspot™
music theatre



For over a decade, Morel has built an international reputation for the SoundSpot™ satellite speaker systems. New design goals and the quest for an even higher performance level make this new sub/sat system the closest ever to a high fidelity floor-standing 5.1 system.



soundspot™ music theatre 3

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The SoundSpot™ MT-3 was engineered for both home theatre and Hi-Fi stereo systems applications, combining some of the most advanced innovative technologies and materials available with the finest craftsmanship and discrete design.

Comprised of the new SP-3, that is able to produce a mid/bass frequency sounding deep and robust – an incredible achievement from a 1.7 L enclosure. The base design allows a 270-degree lateral and 80-degree vertical adjustment, for total sound field control while enabling the installer all mounting options, locking it into the desired position with a single screw.

Complementing the SP-3 is the new SoundSub™ PSW8e / PSW10e featuring a fibre-glass composite enclosure, fitted with an 8-inch/10-inch bass unit and a high power amplifier, it supplies seamless acoustic integration for the SoundSpot™ series while delivering a rich deep bass sound.

The MT-3 provides high quality sound performance with clarity and depth usually excepted from a full sub/bookshelf system. It will definitely place you at the heart of the action in your favourite multi-channel movie or make you feel as if you are at a live musical performance.

soundspot™ music theatre 2

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The MT-2, is a two-way, true point source system which delivers a more stable and consistent off-axis sound, further raising the bar of sound quality in a minimalist design.

A very intelligent installation arrangement has been developed for this system in that the speaker can be adjusted through 270 degrees horizontally and 90 degrees vertically. One screw concealed behind the magnetic grille is all that is needed to rigidly lock the satellite once the desired position has been found.

MT-2 Ultra is a great solution for larger rooms and a better performance. It incorporates the new SoundSub™ PSW10e fitted with a 10" high power woofer driven by a 250W amplifier, exceeding the seamless integration and bass accuracy of the PSW8e.



soundspot™ music theatre 1

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The MT-1 is a multi speaker system for both home theatre and Hi-Fi. Designed as a modern minimalist package it delivers the renowned Morel sound at an exceptional value.

Comprising of 5 miniature half-sphere enclosures constructed from 1mm steel, this strong and light weight solution creates less stored energy thus delivering a clearer sound with less colouration. Completing the system is the same powerful subwoofer as used in the MT-2, capable of a dynamic sound in both small and large rooms.

The MT-1 allows for a variety of speaker placement options making installation easy for optimal performance.

MT-1 Ultra is a great solution for larger rooms and a better performance. It incorporates the new SoundSub™ PSW10e fitted with a 10" high power woofer driven by a 250W amplifier, exceeding the seamless integration and bass accuracy of the PSW8e.



soundspot™ music theatre



SOUNDSPOT™
SP-3

When a challenge is presented to Morel's R&D team they like to take the solution one step further. Making a mini speaker that produces a full stereo performance even without a subwoofer that could be easily mistaken for a high-end floor-standing when matched with one, was a real dare due to the limited internal volume small speakers possess.

Advanced metal processing and design allowed the SP-3 to be both strong and light weight, with an enclosure constructed of a merely 1mm thick steel to maximize the internal volume. A port was created in the front of the satellite to extend bass frequencies. The tailored drive unit was specifically tuned to work in that small enclosure.



SOUNDSPOT™
SP-2

Inspired by the fat lady the SP-2 enclosure is a 1mm thick sphere that is deliberately left empty without damping. This unusual concept allows the enclosure to vibrate along with the music as part of the reproduced sound, however when the music stops the sphere stops, resulting in a much cleaner sound. The tweeter is placed concentrically within the woofer and time aligned. Combined with the sophisticated crossover network that optimises phase as well as the frequency response the SP-2 is a true point source speaker.



SOUNDSPOT™
SP-1

The SP-1 is a discreetly designed miniature half-sphere satellite speaker that can be easily installed in a variety of locations. Despite its modest dimensions, the SP-1 is a true 2-way system housing a high performance coaxial driver, producing a wide frequency range with exceptional dispersion characteristics. At home, as part of a 5.1 home cinema system the SP-1 delivers a surprisingly "big" powerful sound. Can also be used with high performance computers where its lively articulate sound takes full advantage of modern computer sound cards.



SOUNDSUB™
PSW8E / PSW10e

The PSW8e / PSW10e subwoofers have the same high quality "piano finish" finish as the SP-1, SP-2 and SP-3 satellites. The enclosure is a fibre-glass composition which follows the Morel design philosophy of light yet strong cabinets with no internal damping. This allows for less stored energy delivering fast and agile bass response. The PSW8e is fitted with an 8" bass unit driven by a 150W high power digital amplifier with low electric consumption. The PSW10e was designed with larger rooms in mind, delivering enhanced bass performance. The enclosure is only 20% larger than the PSW8e, incorporating a 10" high power woofer with a 250W amplifier.

grand harmony



The Grand Harmony represents exciting high-end options for in-wall speakers. Designed for music lovers who enjoy Morel's high-quality natural sound, but prefer the integrated, discreet appearance of an in-wall.

> Developed alongside the company's SoundSpot™ SP-2 satellite speaker, a design that captured honours in the 2010 CES Design and Engineering Innovations Awards (as part of the MT-2 system), the Grand Harmony speakers share many design attributes. As a result, the speaker's alloy enclosure is remarkably thin - only 1mm - thus preserving valuable internal volume for better mid-bass response.

The Grand Harmony in-wall speaker systems utilize a true point source drive unit. This 4" (100mm) 2-way speaker features a ¾" (19mm) concentrically mounted soft dome tweeter providing a pinpoint soundstage, both on and off axis in a minimalist design. This allows the Grand Harmony speakers to fit into virtually any wall without compromise. A sophisticated 8-element crossover network splits the signal while providing optimum phase, bringing the two speakers together.

The Grand Harmony is offered in square or round frame versions. Its discreet, high performance sound, will suite any room environment for true enjoyment.

360° OVERVIEW



soundwall™
in-wall speakers



soundwall™ in-wall speakers

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The SoundWall™ in-wall series delivers the same faithful reproduction that Morel fans worldwide have come to expect from their cinematic and musical experiences.

This series features numerous award-winning Morel components and incorporates hi-end drivers. Available in two performance levels and three woofers sizes.

The SoundWall™ speakers are made of two pieces (frame and speaker baffle) the frame can be installed in the wall at any stage of the construction while the speaker can be fitted at a later stage. This provides an opportunity to have the grille/frame painted and the assembly finished without damaging the loudspeaker in the building process.

The drivers are installed on a CNC machined 3/4" (19mm) MDF front plate with a black spark, non glossy finish, which dramatically reduces vibrations and resonance, as well as coloration, for perfectly balanced acoustics.

All woofers include the C.A.R (Controlled Acoustic Resistance) Filter™, originally designed for car applications the filter optimizes the performance of the woofer in a free-air cavity and enables the in-wall to behave as if it had a conventional enclosure. In order to deliver a very wide dispersion at all frequencies the woofers have been designed with a flat profile architecture.

The soft-dome tweeters have a 50 degrees dispersion angle at each direction making installation and alignment an easier task, providing a wider listening area without the need for directional/pivoting tweeters.



FAT LADY

Type	3-way 4 drive units system
Construction	Composite of carbon fibre and fibre glass resin enclosure
Acoustical Loading	Ported (Bass reflex)
Drive Units	Woofers: 2 x 9" (222 mm) Carbon fibre - Rohacell sandwich cone type with integrated one piece dome, Hybrid™ double magnet motor, 3" (75 mm) EVC (External Voice Coil) long-throw Hexatech™ aluminium voice coil technology. Midrange: 6" (160 mm) Carbon fibre - Rohacell sandwich cone type with integrated one-piece dome, double Neodymium magnet motor, Supreme™ underhung 3" (75mm) EVC™ (External Voice Coil) Hexatech™ aluminum voice coil with linear impedance copper sleeve technology. Tweeter: Supreme™ tweeter technology, 1.1" (28mm) Acuflex™ hand-coated soft dome, pancake Neodymium magnet motor, underhung Hexatech™ aluminium voice coil.
Frequency Response	20-22,000 Hz (40-18,000 Hz ±1.5 dB)
Crossover	200 Hz/ 2.2 KHzw
Nominal Impedance	4 ohm
Nominal Power Handling	300 W
Peak Power Handling	1,000 W 10m/sec
Dispersion	Within 1.5 dB - 18,000 Hz / Horizontal: over 60° / Vertical: over 20°
Sensitivity 2.83V / 1M	88 dB
Dimension (WxHxD)	34 x 127 x 44 cm / 13½" x 50" x 17½"
Finish	High gloss carbon fibre composite
Net Weight	44 Kg / 97 lbs

SOPRAN

Type	3-way 5 drive unit system
Construction	Composite of carbon fibre and fibre glass resin enclosure with hand polished piano paint finish
Acoustical Loading	Bass: 3 In line Ports (bass reflex tuned to 28Hz) Mid: In line port
Drive Units	Woofers: 3 x 6" (160 mm) DPC (Damped Polymer Composite) cone type with integrated one piece dome, Hybrid™ double magnet motor, 3" (75 mm) EVC (External Voice Coil) long-throw Hexatech™ aluminium voice coil. New Titanium Former technology. Midrange: 6" (160 mm) with linear impedance copper sleeve technology. DPC (Damped Polymer Composite) cone type with integrated one piece dome, Hybrid™ double magnet motor, 3" (75 mm) EVC (External Voice Coil) long-throw Hexatech™ aluminium voice coil. New Titanium Former technology, with linear impedance copper sleeve technology. Tweeter: 1.1" (28mm) Acuflex™ hand crafted soft dome, triple ferrite magnet motor, Hexatech™ aluminium voice coil.
Frequency Response	30-22,000 Hz (45-18,000 Hz ±1.5 dB)
Nominal Impedance	4 ohm
Nominal Power Handling	250 W
Peak Power Handling	1000 W
Dispersion	Within 1.5 dB -18,000 Hz Horizontal: over 60° Vertical: over 20°
Sensitivity 2.83V / 1M	91.5 dB
Crossover	250 Hz/ 2.2 KHz
Dimension (WxHxD)	10" x 16.9" x 44.6" (255mm x 430mm x 1135mm)
Finish	Piano gloss black or piano gloss white
Net Weight	31.5 Kg

OCTAVE 6

BOOKSHELF

FLOOR-STANDING

Type	2-way freestanding	3-way 4-unit floor-standing
Construction	MDF polymer coated cabinet gloss piano finish	MDF polymer coated cabinet gloss piano finish
Acoustical Loading	Bass reflex with port located in line No internal damping.	Separate internal chambers for the midrange and both bass drivers Bass: Isobaric and port-loaded reflex system Midrange: Bass reflex with port located in line with centre of woofer magnet No internal damping. Cabinet output is used as part of the reproduced sound
Drive Units	Woofers: 6" (160mm) rear-vented system. Uniflow™ Aluminum die-cast chassis. Hybrid™ Neodymium & Ferrite magnet system. 3" Large Hexatech™ aluminum voice coil. Titanium coil bobbin (former). One piece integrated dome and surround cone, made of damped polymer composite (DPC). Tweeter: 1 1/8" (28mm) Acuflex™ hand coated soft dome. Powerful Neodymium magnet system. Ferrofluid damped and cooled. Both drive units are shielded with low magnetic stray field	Bass: Two 9" (222mm) flat-profile rear-vented woofers. 3" (75 mm) Hexatech™ aluminium voice coils. Hybrid (neodymium and ferrite) double magnet motor systems. One piece integrated dome and surround cone, made of damped polymer composite. Midrange: 6" (160mm) rear-vented system. Uniflow™ Aluminum die-cast chassis. Hybrid™ Neodymium/Ferrite magnet system. 3" Large Hexatech™ aluminum voice coil. Titanium coil bobbin (former) One piece integrated dome and surround cone, made of damped polymer composite (DPC). Tweeter: 1 1/8" (28mm) Acuflex™ hand coated soft dome. Powerful Neodymium magnet system. Ferrofluid damped and cooled. All units are shielded with low magnetic stray field
Frequency Response	20-22,000 Hz (40-18,000 Hz ± 1.5 dB)	20-22,000 Hz (40-18,000Hz ± 1.5 dB)
Crossover	2200 Hz / 12 dB octave	250 Hz/2200 Hz / 12 dB octave
Nominal Impedance	4 ohm	4 ohm
Nominal Power Handling	140 W RMS	200 W RMS
Peak Power Handling	1,000 W 10m/sec	1,000 W 10m/sec
Sensitivity 1 W/1 M	89 dB	90 dB
Dispersion	Within 1.5 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°	Within 1.5 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°
Dimension (WxHxD)	7.3" X 11.69" X 13.38" (14.44" with terminals) 187mm X 297mm X 340mm (367 with terminals))	7.3" x 37.75" X 13.38" (14.44" with terminals) (187mm X 959mm X 340mm (367mm with terminals))
Weight	7.3 Kg	23.5 Kg
Finish	Black or white piano finish	Black or white piano finish

OCTAVE SIGNATURE

BOOKSHELF

SUBWOOFER

CENTRE

Type	2-way freestanding loudspeaker		3 Way 4 units, full range centre speaker with low magnetic stray field
Construction	MDF polymer-coated cabinet with separate chamber for each drive unit.	Isobaric and port-loading reflex cabinet	MDF polymer-coated cabinet with 3 separate acoustic chambers. Separate chamber for each drive unit.
Acoustical Loading	Double port bass reflex		Double port bass reflex for bass chamber/sealed for bass midrange & tweeter
Drive Units	Woofers: 5¼"(130mm) rear-vented system. Double ferrite magnet motor. One piece integrated dome and surround cone, made of damped polymer composite. 3" (75mm) aluminum Hexatech™ voice coil and Morel's External Voice Coil technology (EVC). Tweeter: Mid/high frequency unit, low resonance soft dome, Acuflex™ coated, vented double magnet neodymium motor. 1 1/8" (28mm) Aluminum Hexatech™ voice coil and Morel's External Voice Coil technology (EVC). All units are shielded with low magnetic stray field	Two 9" (222mm) flat-profile woofers with 3" (75 mm) Hexatech™ aluminum coil and rear-vented Hybrid (neodymium and ferrite) double magnet motor	Woofers: 2 x 5¼" (130mm) rear vented. Double magnet motor. Midrange: 1 x 5¼" (130mm) rear vented hybrid motor. Both feature one piece integrated dome and surround cone, made of damped polymer composite. 3" (75 mm) aluminum Hexatech™ voice coil using Morel's External Voice Coil technology (EVC). Tweeter: Mid/high frequency unit, low resonance soft dome, Acuflex™ coated, vented double magnet neodymium motor. 1 1/8" (28mm) aluminum Hexatech™ and Morel's External Voice Coil technology (EVC). All units are shielded with low magnetic stray field
Frequency Response	20-22,000 Hz (40-18,000 Hz ± 1.5 dB)	20-100 Hz	20-22,000 Hz
Crossover	2200 Hz / 12 dB octave		2200 Hz / 12 dB octave
Nominal Impedance	4 ohm		4 ohm
Nominal Impedance for full floor-standing system		4 ohm	
Nominal Impedance for bi-amp configuration system		2 ohm	
Nominal Power Handling	120 W RMS		300 W RMS
Peak Power Handling	1,000 W 10m/sec		1000 W 10m/sec
Sensitivity 2.38V/1M	86 dB		88 dB
Dispersion	Within 1.5 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°		Within 1.5 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°
Dimension (WxHxD)	7" x 12½" x 12¼" (175mm x 315mm x 325 mm)	7" x 27" x 12¼" (175mm x 700mm x 325mm)	21¼" x 9¼" x 12¼" (550mm x 247mm x 325 mm)
Net Weight	15.4 lbs (7 kgs) each Octave unit	37.4 lbs (17 Kg)	36 lbs (16 Kg)
Finish	Black, white and red piano finish	Black, white and red piano finish	Black, white and red piano finish

SOLAN 5.1

BOOKSHELF

PMS10 SUBWOOFER

CENTRE

FLOOR-STANDING

Type	2-way freestanding loudspeaker		2 Way 3 unit, full range centre speaker with low magnetic stray field	3-way 4-unit floorstanding loudspeaker
Construction	MDF Vinyl cabinet, coated paint gloss piano finish front baffle.	MDF Vinyl cabinet, coated paint glossy piano finish front baffle.	MDF Vinyl cabinet, coated paint glossy piano finish front baffle.	MDF Vinyl cabinet, coated paint glossy piano finish front baffle.
Acoustical Loading	Single port bass reflex		Sealed infinite baffle	Bass: single port reflex. Midrange: single port reflex
Drive Units	Bass midrange: 5¼" (130mm) rear vented ferrite motor. Comprised of a lightweight paper cone doped with a polymer composite. The diaphragm is fitted with a 3" (75mm) domed dust cap and surround. Tweeter: High frequency unit, low resonance coated soft dome, ferrite magnet motor. 1" (25mm) voice coil.	One 10" (254mm) woofer	Bass midrange: 2 x 5¼" (130mm) rear vented and shielded ferrite motor. Both units comprised of lightweight paper cones doped with polymer composite. The diaphragm is fitted with a 3" (75mm) domed dust cap. Tweeter: High frequency unit, low resonance coated soft dome, ferrite magnet motor. 1" (25mm) voice coil.	Bass: 6 ½" (160mm) rear vented ferrite motor. Comprised of a lightweight paper cone doped with a polymer composite. The diaphragm is fitted with a 3.9" (100mm) domed dust cap and surround. Midrange: 5¼" (130mm) rear vented ferrite motor. Comprised of a lightweight paper cone doped with a polymer composite. The diaphragm is fitted with a 3" (75mm) domed dust cap and surround. Tweeter: High frequency unit, low resonance coated soft dome, ferrite magnet motor. 1" (25mm) voice coil.
Frequency Response	50 - 20,000 Hz (60-18,000 Hz ± 2dB)	35-160Hz	60 - 20,000 Hz (80-18,000 Hz ± 2 dB)	30 - 20,000 Hz (40-18,000Hz ± 2 dB)
Amplifier		100W, continuous power, all formats compatible with automatic on/off switch, level, crossover, and phase controls.		
Inputs		Line-level RCA phono jacks high-level binding post terminals		
Voltage		115-230 VAC 50/60 Hz with main supply voltage selector		
Crossover	2200 Hz / 12 dB octave		2200 Hz / 12 dB octave	150 Hz/18 dB octave 2200 Hz/12 dB octave
Nominal Impedance	4 ohm		4 ohm	4 ohm
Nominal Power Handling	100 W RMS		125 W RMS	140 W RMS
Sensitivity 1 W/1 M	88 dB		88 dB	88 dB
Dispersion	Within 3 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°		Within 3 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°	Within 3 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°
Dimension (WxHxD)	7" x 12" x 10" (178mm x 300mm x 250- mm)	14½" x 14" x 13¼" (366mm x 360mm X 330mm)	16½" x 6¾" x 7¾" (420mm x 170mm x 195 mm)	7" x 37" x 11½" (178mm x 2000mm x 292mm)
Net Weight	4.7 Kg	13.5 Kg	5.8 Kg	14.5 Kg
Finish	White Pine, Black Ash, Dark wood	White Pine, Black Ash, Dark wood	White Pine, Black Ash, Dark wood	White Pine, Black Ash, Dark wood

SOUNDSPOT™	SOUNDSPOT SP-3™	SOUNDSPOT SP-2™	SOUNDSPOT SP-1™	SOUNDSUB™ PSW10e	SOUNDSUB™ PSW8e
Construction	Steel sphere enclosure	Steel sphere enclosure	Steel half-sphere enclosure	Fiberglass composite resin	Fibre-glass composite resin
Enclosure Diameter	5.5" (160 mm)	5.5" (140 mm)	4.3" (110 mm)		
Dimensions (Ø)				17.4" x 14.4" 10" (443mm x 370mm x 253mm)	16" x 13" x 9" (410 mm x 350 mm x 230 mm)
Drive units	Woofers: 4" (100 mm) woofer with 1.2" (32 mm) high temperature voice coil, ferrite magnet motor. Tweeter: Soft dome ¾" (19 mm) liquid-cooled voice coil, neodymium magnet motor	Woofers: 4" (100 mm) woofer with 1.2" (32 mm) high temperature voice coil, ferrite magnet motor. Tweeter: Soft dome ¾" (19 mm) liquid-cooled voice coil, neodymium magnet motor	Woofers: 3½" (85 mm) woofer with ¾" (20 mm) high temperature voice coil, ferrite magnet motor. Tweeter: semi-soft polymer ½" (12 mm) liquid-cooled voice coil, neodymium magnet motor	10" (254 mm) Flat-profile woofer with 2" (50 mm) voice coil and rear-vented magnet motor	8" (203 mm) Flat-profile woofer with 2" (50 mm) voice coil and rear-vented magnet motor
Acoustic Loading	Bass Reflex tuned to 90 Hz				
Nominal impedance	6 ohm	6 ohm	6 ohm		
Power handling	90 W (160 W Transients)	80 W (150 W Transients)	60 W (100 W Transients)		
Operating power	15-120 W	15-100 W	15-100 W		
Crossover	2200 Hz 12 dB/Oct WO 18 dB/ Oct TW	2,200 Hz 12 dB / octave	8,000 Hz 6 dB / octave		
Frequency response	80-21,000 Hz (-5 dB)	120-22,000 Hz (-5 dB)	180-22,000 Hz (-5 dB)	25-160 Hz	30-160 Hz
Sensitivity 2.83V/1M	89 dB	86 dB	87 dB		
Amplifier				250 W, continuous power. All formats compatible with automatic on/off switch, level, crossover and phase control	150 W continuous power. All formats compatible with automatic on/off switch, level, crossover and phase controls
Input				Line-level RCA phono jack	Line-level RCA phono jack
Voltage				100-240VAC 50/60Hz with main supply automatic voltage selector	100-240VAC 50/60Hz with main supply automatic voltage selector
Net weight	3.7 lbs (1.7 Kg)	3.3 lbs (1.5 Kg)	2.3 lbs (1 Kg)	33 lbs (15 Kg)	23 lbs (10 Kg)
Finish	Piano white or Piano black	Piano white, Piano black	Piano white, Piano black	Piano white or Piano black	Piano white or Piano black

GRAND HARMONY | GH22D / GH22Q

Type	5½"
Construction	Ø 140mm (5.5") steel sphere enclosure
Mounting depth	90mm (3 ½")
Drive Units	Woofers: 4" (100mm) with 1.2" (32mm) high temperature voice coil, ferrite magnet motor Tweeter: Soft dome ¾" (19mm) liquid-cooled voice coil, neodymium magnet motor
Nominal Impedance	6 ohm
Nominal Power Handling	80 W (150 W Transients)
Operating power	15-100W
Crossover	2,200 Hz 12 dB/ octave
Frequency Response	80-22,000Hz (-5dB)
Frame Dimension	Ø 208mm x 2mm (8¼" x 5/64") / 198mm x 2mm (7¾" x 5/64)
Mounting cutout	Ø 182mm / 166mm x 166mm
Sensitivity (2.83V 1M)	86 dB
Weight	1.8 Kg (3.96 lbs)
Finish	White

SOUNDWALL™	H Series			M Series			X Series
Specifications	IN-8H	IN-6H	IN-5H	IN-8M	IN-6M	IN-5M	IN-6X
Construction	Front baffle black PU painted MDF	Front baffle black PU painted MDF	Front baffle black PU painted MDF	Front baffle black painted MDF	Front baffle black painted MDF	Front baffle black painted MDF	Front baffle black painted MDF
Drive units	Woofers: 8" DPC cone 3" Hexatech™ voice coil, External Voice Coil technology (EVC) Tweeter: 1.1" soft dome, Acuflex™ coated, Hexatech™ voice coil, double neodymium magnet motor	Woofers: 6" DPC cone 3" Hexatech™ voice coil, External Voice Coil technology (EVC) Tweeter: 1.1" soft dome, Acuflex™ coated, Hexatech™ voice coil, double neodymium magnet motor	Woofers: 5" DPC cone 3" Hexatech™ voice coil, External Voice Coil technology (EVC) Tweeter: 1.1" soft dome, Acuflex™ coated, Hexatech™ voice coil, double neodymium magnet motor	Woofers: 8" paper composite cone 3" Hexatech™ voice coil, with Morel's External Voice Coil technology (EVC) Tweeter: 1.1" soft dome, Hexatech™ voice coil, double neodymium magnet motor	Woofers: 6" paper composite cone 2.1" Hexatech™ voice coil, with Morel's External Voice Coil technology (EVC) Tweeter: 1.1" soft dome, double neodymium magnet motor	Woofers: 5" paper composite cone 2.1" Hexatech™ voice coil, with Morel's External Voice Coil technology (EVC) Tweeter: 1.1" soft dome, double neodymium magnet motor	Woofers: 6" paper composite cellular fiber cone, 1" voice coil, High grade ferrite magnet motor Tweeter: 1" soft dome, neodymium magnet motor
Nominal impedance	6 ohm	6 ohm	6 ohm	6 ohm	6 ohm	6 ohm	4 ohm
Sensitivity 2.83V/1M	90 dB	88 dB	86 dB	91dB	88 dB	86 dB	91 dB
Power handling	180 W	120 W	100 W	150 W	100 W	80 W	90 W
Operating power	20-200 W	20-150 W	20-120 W	20-200 W	20-150 W	20-120 W	20-120 W
Crossover	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 6 dB
Frequency response	30-22,000 Hz	38-22,000 Hz	45-22,000 Hz	30-22,000 Hz	38-22,000 Hz	45-22,000 Hz	40-20,000 Hz
Tweeter level adjustment	0 / ±3 dB	0 / ±3 dB	0 / ±3 dB	0 / ±3 dB	0 / ±3 dB	0 / ±3 dB	N / A
Grille	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Overall Exterior Frame Dimensions (WxHxD)	10.4" x 14.1" x 3.3" (263 x 357 x 83 mm)	8.7" x 12" x 3.2" (220 x 305 x 82 mm)	5" x 10.7" x 3.3" (191x 272 x 83 mm)	10.4" x 14.1" x 3.3" (263 x 357 x 83 mm)	8.7" x 12" x 3.2" (220 x 305 x 82 mm)	7.5" x 10.7" x 3.3" (191x 272 x 83 mm)	8.7" x 12" x 3.2" (220 x 305 x 82 mm)
Cut Out Dimensions (H x W)	12.9" x 9.3" (329 x 237 mm)	10.9" x 7.5" (278 x 192 mm)	9.6" x 6.4" (246 x 164 mm)	12.9" x 9.3" (329 x 237 mm)	10.9" x 7.5" (278 x 192 mm)	9.6" x 6.4" (246 x 164 mm)	10.9" x 7.5" (278 x 192 mm)
Finish	White	White	White	White	White	White	White

Morel operates a policy of continuous product design improvement, consequently specifications are subject to alteration without prior notice.





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