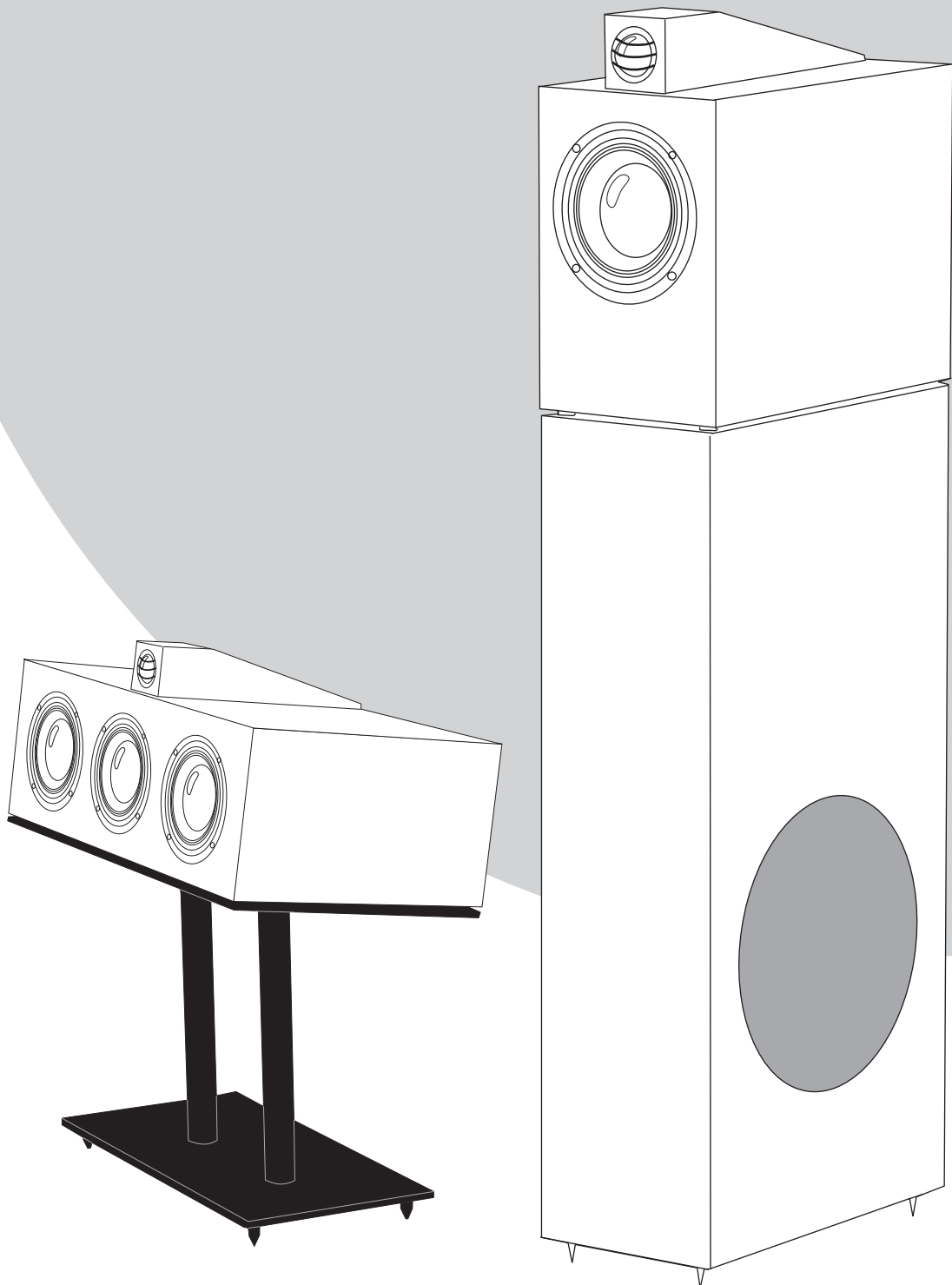


Octave *Signature* Series
User Manual and Installation Guide



Dear Valued Customer,

Thank you for choosing Morel's Octave Signature speaker!

The information in this manual will help you get the best possible performance out of your speakers. If you have any questions, please contact your Morel dealer, or Morel Support at www.morelhifi.com. We welcome you to the Morel family and the rich listening experience of the Octave Signature speaker system.

Octave Signature Design

The inspiration to design the Octave speaker line derives from our true love of music. With over 30 years of experience in designing and developing drivers and speakers, our aim has consistently been to recreate the incomparable sound of a natural, live music experience. For three intensive years, we focused our know-how and engineering resources to develop the Octave speaker.

Our aim was to create a speaker small in size yet capable of producing a "big" natural sound that can be used in various applications and room settings at an affordable price. By developing the Octave as a modular system, we ensured that it is suitable for 2-channel listening even in larger room settings, as well as for home cinema applications.

Octave Signature Applications

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.

Listening to the Octave Signature speakers in a room where one can pinpoint every instrument and every voice, as well as benefit from a wide vertical and horizontal soundstage augmented by depth, is what every true audiophile seeks.

The Octave Signature Subwoofer is a pairwise isobaric subwoofer (dual woofer configuration). The subwoofer consists of two 9" (222 mm) flat-profile woofers with rear-vented double magnet system and aluminum Hexatech™ voice coil allow for effortless deep bass power. The all-new audio drivers in the Octave Signature Subwoofers deliver enhanced and controlled, accurate bass frequencies with the quality, dynamic impact and fidelity of the original recording, placing you right at the heart of the action.

Alternatively combined with the Signature AMP 250 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.

The Octave Signature Centre is perfectly integrated within the Octave Signature series. Based on the Octave Signature, the Octave Signature Centre uses the same woofer and tweeter but adds 2 extra woofers to create a powerful and articulate centre speaker system that provides a totally seamless and unbelievable sound stage for multi-channel music as well as home cinema. 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.

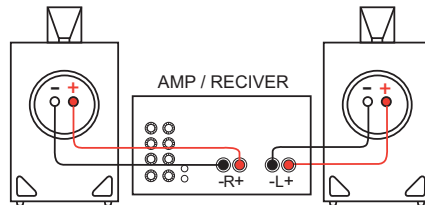
The Octave Signature Series combines warm, natural music and voice reproduction with an emotionally stirring home theatre experience. Its dynamic sound qualities faithfully capture even the most complex and vibrant musical masterpieces and movie soundtracks!

Connecting the Octave Signature

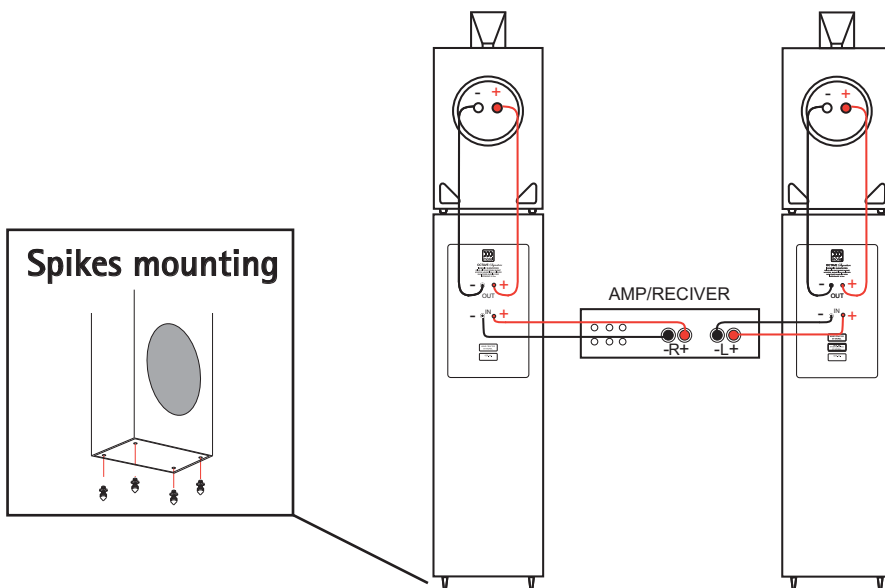
Connecting the Octave Signature Bookshelf, Octave Signature Floor-Standing is not particularly difficult. Please follow the provided illustration for proper connection and set up of your new speakers.

Connection options

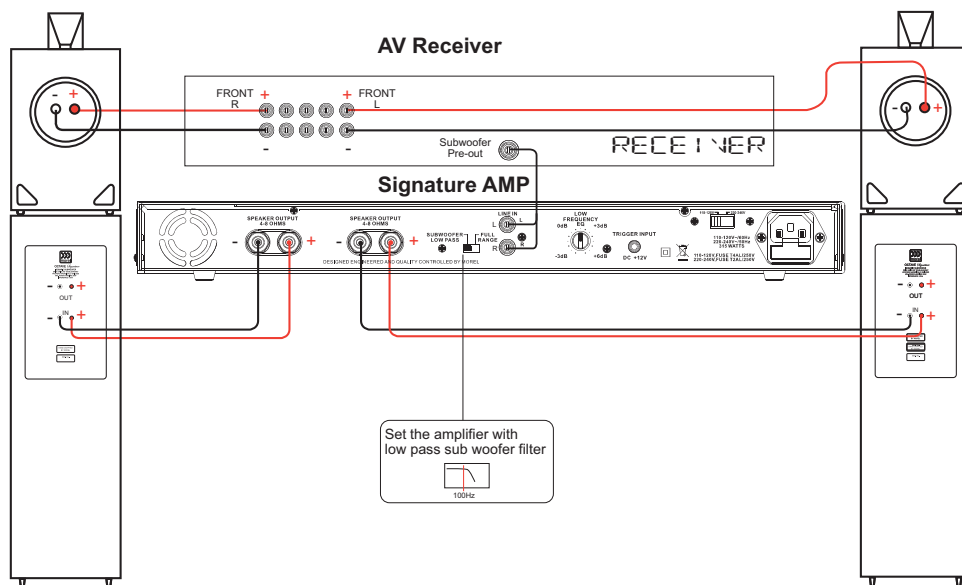
Octave Signature Bookshelf Connection



Octave Signature Floor-Standing Connection

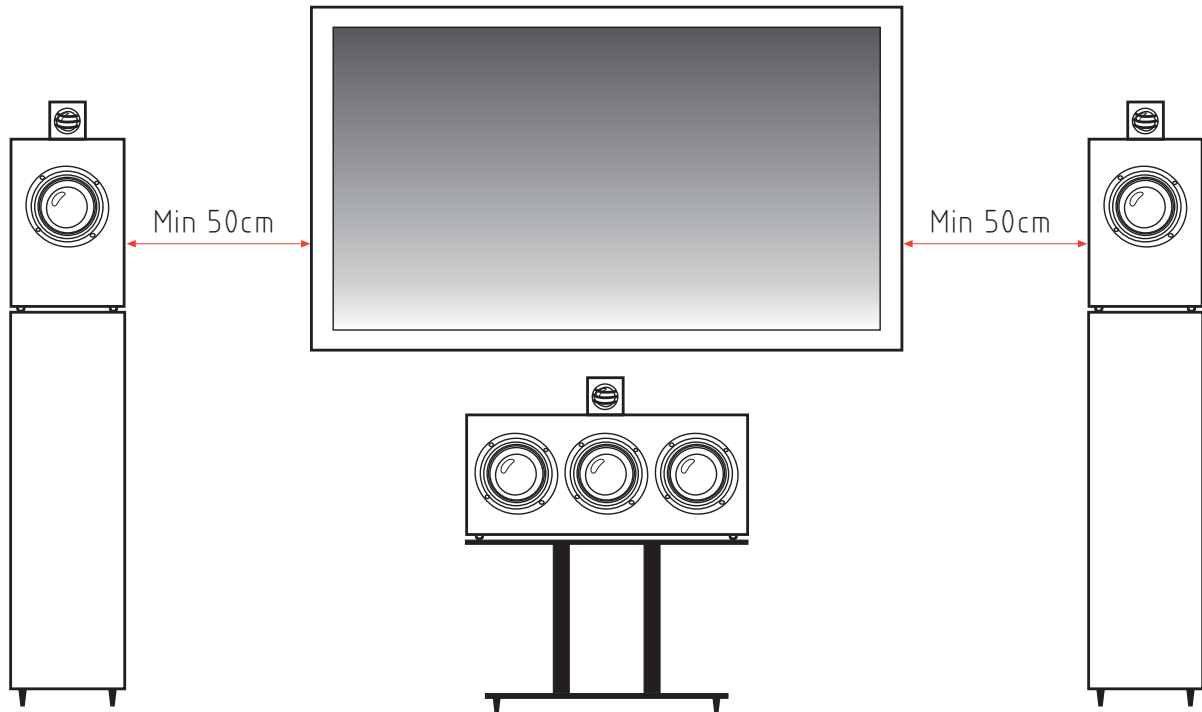


Signature AMP Connection to the Octave Signature Subwoofer for home theatre application (when subwoofer is active for home theatre use)



Octave Signature Centre Placement

Plasma screen



Octave Signature Stands

Octave's stands were designed to aesthetically and acoustically enhance the speaker's features. Our aim in designing these stands was to provide the stability necessary to achieve maximum acoustic transparency, while minimizing their appearance.

The **ST-65** is the basic stand for the Octave Signature speakers. It accommodates spikes or floor protective discs to give it a small footprint that is not intrusive, yet stable enough to hold an Octave Signature system. The **ST-65** stands are made of solid steel, zinc protective coating and sanded black oven enameled finish.

The **ST-30** stand is an elegant addition to the Octave Signature system. This Octave Signature Centre stand was designed to be acoustically transparent and to complement the Octave Signature Centre outline. The **ST-30** stand is made of solid steel, with zinc protective coating and sanded black oven enameled finish.

Break-in Period

As in any high-end speaker system, Octave Signature must be used for a short period of time before it reaches peak performance. Due to the construction design of the Octave drivers, we recommend a 72-hour break-in period. Please keep this in mind when you initially evaluate the speakers.

Speaker Placement

Room acoustics can be very tricky and attention is required to accurately choose proper speaker placement. Octave Signature's sonic qualities make speaker placement process less restrictive. Due to the speaker's wide vertical and horizontal axis dispersion, the "sweet-spot" of the Octave Signature is very large. This works to your advantage in situations where you cannot re-arrange furniture, modify walls, or have acoustical treatments.

The following illustrations represent three possible ways of positioning the Octave Signature speaker system.

Diagram 1: The most conventional way to position a pair of stereo speakers is to place them parallel to each other at the front of the room. Octave Signature speakers need not be placed at a significant distance from the back or adjacent walls. We recommend placing them at a minimum of 10" (25cm) from the back wall, and a minimum of 20" (50cm) from the adjacent wall. The listener should be seated in the center, between the two speakers at a distance of at least 8 feet (2.5m) away.

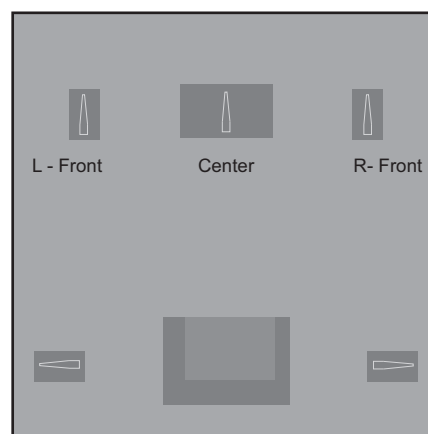
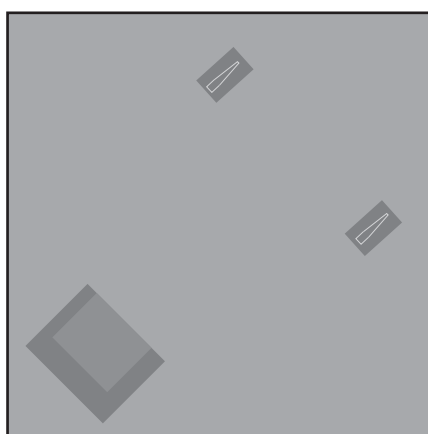
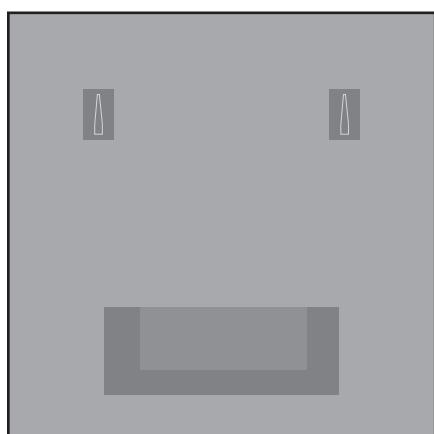
Diagram 2: Placing speakers at the corner of a room – where the speakers form a diagonal between the two perpendicular walls – enriches midrange frequencies. It also enhances and deepens the bass notes to form a warm sounding, yet accurate quick bass. If you choose to position the speakers according to this diagram, it is possible to place the speaker as quite close to the wall as you desire.

Diagram 3: In a home theatre configuration, one can choose to position the speakers in various locations. The illustration shows a basic 5.1 Dolby Digital speaker set-up. It is important to note that speaker locations can differ from one digital format to another. Therefore, this illustration may not apply in other scenarios.

Diagram 1

Diagram 2

Diagram 3



Octave Signature Series Specifications

SPECIFICATIONS	OCTAVE SIGNATURE BOOKSHELF(Individually tested and matched pair)
Type	2-way freestanding loudspeaker
Construction	MDF polymer-coated cabinet with separate chamber for each drive unit.
Acoustical Loading	Double port bass reflex
Drive Units	<p>Woofers: 5 1/4"(130mm) rear-vented system. Double ferrit 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 (EVC) technology.</p> <p>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 (EVC) technology.</p> <p>All units are shielded with low magnetic stray field</p>
Frequency Response	20 – 30,000Hz (40-18,000Hz ±1.5 dB)
Nominal Impedance	6 ohm
Nominal Power Handling	120W RMS
Peak Power Handling	1,000W 10m/sec
Sensitivity 2.83 V /1 M	86 dB
Crossover	2200Hz /12 dB octave
Dispersion	<p>Within 1.5 dB – 18,000Hz</p> <p>Horizontal: over 60°</p> <p>Vertical: over 20°</p>
Dimension (W x H x D)	7" x 12 1/2" x 12 3/4" (175 mm x 315 mm x 325 mm)
Weight	15.4 lbs (7 kgs) each Octave unit
Finish	Black, white and red piano finish.

SPECIFICATIONS	OCTAVE SIGNATURE SUBWOOFER
Construction	Isobaric and port-loading reflex cabinet
Drive Units	Two 9"(222mm) flat-profile woofers with 3" (75 mm) Hexatech™ aluminum voice coil and rear-vented Hybrid (neodymium and ferrite) double magnet motor
Nominal Impedance	4 ohm
Power Handling	250 W RMS
Peak Power Handling	1000W 10 m/sec.
Frequency Response	20-200 Hz
Crossover	200 Hz / 18 dB octave
Dimensions (W x H x D)	7" x 27" x 12 3/4" (175mm x 700mm x 325mm)
Weight	41 lbs (18.5 kgs)
Finish	Black, white and red Piano finishes

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SPECIFICATIONS	OCTAVE SIGNATURE CENTRE
Type	3-way 4 units, full range centre speaker with low magnetic stray field
Construction	MDF trico™ polimer, coated cabinet with 3 separate acoustic chambers one for each drive unit
Acoustical Loading	Double port bass reflex for bass chamber/sealed for bass midrange and tweeter
Drive Units	<p>Woofers: two 5¹/₄"(130mm) rear-vented. Double magnet motor.</p> <p>Bass midrange: one 5¹/₄"(130mm) rear vented hybrid motor. Both feature one piece intergrated dome and surround cone, made of damped polymer composite. 3" (75mm) Aluminum Hexatech™ voice coil using Morel external voice coil technology(EVC)</p> <p>Tweeter: Mid/High frequency unit, low resonance soft dome, Acuflex coated, vented double magnet Neodymium motor. 1¹/₈"(28mm) Aluminum Hexatech™ voice coil and Morel's EVC technology.</p> <p>All units are shielded with low magnetic stray field.</p>
Frequency Response	20 - 30,000Hz (40 - 18,000Hz ± 1.5dB)
Nominal Impedance	6 Ohm
Nominal Power Handling	300W RMS
Peak Power Handling	1500W 10m/sec
Sensitivity 2.83 V /1 M	88 dB
Crossover Points	200Hz , 2000Hz
Dispersion	<p>Within 1.5 dB - 18,000Hz</p> <p>Horizontal: over 60°</p> <p>Vertical: over 20°</p>
Dimensions (W x H x D)	21 ³ / ₄ " x 9 ³ / ₄ " 12 ³ / ₄ " (550mm x 247mm x 325mm)
Weight	36 lbs (16 Kgs)
Finish	Black, white and red piano finish.

SPECIFICATIONS	OCTAVE SIGNATURE STAND ST-65
Dimensions (W x H x D)	7" x 26" x 13" (175mm x 660mm x 325mm)

SPECIFICATIONS	OCTAVE SIGNATURE STAND ST-30
Dimensions (W x H x D)	21 ³ / ₄ " x 12 ³ / ₄ " x 12 ³ / ₄ " (550mm x 325mm x 325mm) 8 degrees tilted

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