



BRIGHTON SERIES



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The Brighton series is contemporary yet classic, explosive yet refined, beautiful yet unpretentious. It combines cutting edge technological advancements and gorgeous industrial design into a series of speakers capable of transforming your listening area into your favorite theatre or concert venue with stunning realism. The Brighton series consists of 7 different loudspeakers that can be combined in a variety of acoustically pleasing ways to create a Sinclair speaker system tailored specifically for your music and home theater desires. Audition the entire series today and find the right combination for you.

Loudspeaker Technology



Transparency Ribbon (460T)

The main technical advantage of a ribbon tweeter over a traditional tweeter is its vastly lower mass, allowing it to respond substantially faster than a traditional tweeter. Because it is lighter it can start and stop faster than a conventional design and more faithfully reproduce transient musical information. The result is stunning clarity and lifelike musical timbre, providing a vivid and awe-inspiring listening experience.



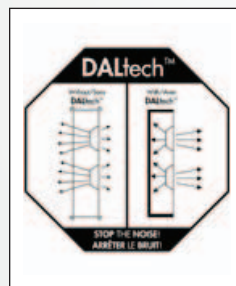
Black Diamond Silk Dome Tweeter

The Brighton series Black Diamond Silk Dome tweeter creates the wonderful high frequency clarity that has become a Sinclair Audio signature. Extremely light silk is heated to extreme temperatures, molded into its dome shape, and treated with our proprietary Black Diamond amalgamation to give it the strength and rigidity it needs to maintain its shape. The tweeter also features strong neodymium magnets, ferrofluid in the gap and thermal protection circuits to handle high power and maintain perfect performance.



Woven Fiberglass Hybrid midrange and Aluminum Phase Plug

The Woven Fiberglass Hybrid midrange cone is identical to the Woven Fiberglass Hybrid woofer with the important addition of a true phase plug. Midranges benefit from a true phase plug to help synchronize the sound that comes from the edge and center of the cone and time align the frequencies in the 300Hz-2K range. Frequencies below this, like those from a woofer, are omnidirectional by nature and do not need a phase plug which actually limits the SPL of a woofer.



DALtech Acoustic Damping

Distortion occurs when a speaker resonates from the speaker's own energy, discoloring the desired sound and resulting in reduced sound quality. DALtech, which stands for Dead as Lead Technology, is an acoustic damping material that eliminates this distortion when strategically installed in specific parts of the speaker cabinet, capturing and absorbing the unwanted resonances for pure, untainted speaker reproduction.



Woven Fiberglass Hybrid Woofer

Woven Fiberglass possesses an incredible strength to weight ratio which is why it's a popular material used in the construction of race car bodies, allowing them to stay very light yet maintain perfect rigidity. The benefits are identical when applying it to woofer construction, making it light enough to react quickly for a quick, tight response, yet strong enough to maintain its shape during challenging, explosive, bass-heavy passages so it's free of unwanted distortion.



MDF Cabinet Construction

Medium Density Fiberboard is a solid and inert material that is substantially sonically superior to other materials. This preferred cabinet material, when combined with strategically placed damping material, effectively controls cabinet wall vibration and standing waves. This results in open midrange clarity, detailed vocals and a deeper bass response.



460T

260T

250T

50B

40B

45RS

250C

310S

8S

Subwoofer Technology



Percussive Woofer

The Injection Molded Percussive Cones were specifically created to handle the staggering task of producing bass that plumbs to subterranean depth. These drivers accomplish the challenge, exhibiting excellent waveform properties while handling extreme low frequencies delivered with enormous force to ensure it meets Sinclair's performance standards and satisfies all ears.



Planar Depth Radiators (310s)

Sheets of thin resin bonded wood fibers are heat formed and pressurized into planar radiators and supported by dual surrounds located in front and behind the driver. Spurred into action by the air pressure created within the sealed cabinet by the active Percussive driver, they provide all the benefits of a tuned port without the associated noise caused by air turbulence.



MOSFET Amplification and Performance Protection Circuitry

Metal Oxide Semiconductor Field Effect Transistors are high current, Class A/B amplifiers that produce large amounts of clean power. Thermal protection circuits keep the subwoofer running cool, Muting circuits guarantee that there is no noise emanating from the subwoofer when the system is turned on or off, and Clipping Protection Circuitry will attenuate the signal to the point that clipping disappears.



SPECIFICATIONS



460T 3-Way Quad 6.5" Tower Loudspeaker

Woofer: Dual 6.5" Woven Fiberglass Hybrid
Midrange: Dual 6.5" Woven Fiberglass Hybrid
Tweeter: 3" Transmission Ribbon
Impedance: 8 Ohms
Sensitivity: 92dB
Power Handling: 250 Watts
Frequency Response: 32Hz - 40kHz
Dimensions, inches (HWD): 48" x 9" x 13"



260T 2-Way, Double 6.5" Tower Loudspeaker

Woofer: 6.5" Woven Fiberglass Hybrid
Midrange: 6.5" Woven Fiberglass Hybrid
Tweeter: 1" Black Diamond Silk Dome
Impedance: 8 Ohms
Sensitivity: 91dB
Power Handling: 200 Watts
Frequency Response: 40Hz-20kHz
Dimensions, inches (HWD): 38" x 9" x 13"



250T 2.5-Way, Double 5.25" Tower Loudspeaker

Woofer: 5.25" Woven Fiberglass Hybrid
Midrange: 5.25" Woven Fiberglass Hybrid
Tweeter: 1" Black Diamond Silk Dome
Impedance: 8 Ohms
Sensitivity: 90dB
Power Handling: 150 Watts
Frequency Response: 45Hz-20kHz
Dimensions, inches (HWD): 36" x 8" x 13"



50B 2-Way, 5.25" Bookshelf Speaker

Woofer: 5.25" Woven Fiberglass Hybrid
Tweeter: 1" Black Diamond Silk Dome
Impedance: 8 Ohms
Sensitivity: 88dB
Power Handling: 100 Watts
Frequency Response: 55Hz-20kHz
Dimensions, inches (HWD): 12" x 7" x 8"



40B 2-Way, 4" Bookshelf Speaker

Woofer: 4" Woven Fiberglass Hybrid
Tweeter: 1" Black Diamond Silk Dome
Impedance: 8 Ohms
Sensitivity: 88dB
Power Handling: 100 Watts
Frequency Response: 60Hz-20kHz
Dimensions, inches (HWD): 9" x 6" x 7"



45RS 2-Way Bipolar Surround

Woofer: 4" Woven Fiberglass Hybrid
Tweeter: Dual 1" Black Diamond Silk Dome
Impedance: 8 Ohms
Sensitivity: 88dB
Power Handling: 125 Watts
Frequency Response: 80Hz-20kHz
Dimensions, inches (HWD): 7" x 11" x 5"



25CC 2-Way, Dual 5.25" Center Channel

Woofers: Dual 5.25" Woven Fiberglass Hybrid
Tweeter: 1" Black Diamond Silk Dome
Impedance: 8 Ohms
Sensitivity: 88dB
Power Handling: 125 Watts
Frequency Response: 55Hz-20kHz
Dimensions, cm (HWD): 7" x 21" x 8"



310S Triple 10" 300 Watt Powered Subwoofer

Woofer: 10" Percussive Driver
Passive Radiators: Dual 10" Side Firing
Passive Depth Drivers
Amplifier Power: 300 Watts RMS,
800 Watts peak power
Frequency Response: 30Hz-150kHz
Dimensions, inches (HWD): 15-3/4" x 15" x 16"



8S 8" Powered Subwoofer

Woofer: Woofer: 8" Percussive Driver
Amplifier Power: 150 Watts RMS
Frequency Response: 40Hz-150kHz
Dimensions, inches (HWD): 13" x 12" x 13"

* Features and specifications subject to change without notice.