



NEW PRODUCT TRAINING  
**BRIGHTON SERIES SUBWOOFERS**

The Brighton Series subwoofers will amaze you with their thunderous yet precise performance, stunning cosmetics, and its remarkable ease of use. Both models feature a forward firing active PolyCel driver and dual Passive Depth Radiators for a total of three drivers per sealed enclosure and are timbre matched to all Sinclair speakers, including the Brighton and Sculptura series.

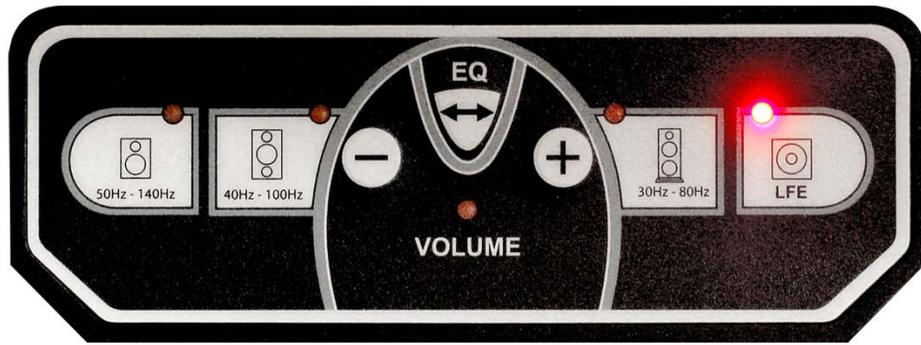
The equalization settings located in the module at the top of the cabinet are designed to provide both an easy method of accurately blending the subwoofer with your speakers as well as providing a selection of different bass effects to suit personal tastes and various program materials. The module also houses the volume control for easy access and quick adjustments.

Both models feature a beautiful combination of textured black and black high gloss that will make it the cosmetic highlight of any room, and the sealed enclosure means it's more versatile with regards to placement. Ported models can interact negatively with room boundaries and chuffing, or noisy air flow turbulence, can be audible when placed near the listener, whereas the Brighton subs have no such distortion.

Dynamic and musical, the [SW10.3](#) excels in both home theater and music playback to fill the environment with deep bass. Equipped with one 10" active Polycel and dual 10" Passive Depth Radiators, an authoritative 250 watt amplifier, this subwoofer drops to 30Hz, has explosive power, and will add serious impact to any home audio speaker system.

The [SW8.3](#) epitomizes the term "good things come in small packages". This conveniently sized subwoofer is remarkably equipped with one 8" active Polycel driver, dual 8" Passive Depth Radiators, a 125 watt amplifier, and goes all the way down to 35Hz, making it capable of providing incredible performance that belies its size.

Whether paired with the contemporary Sculptura series or audiophile grade Brighton series, the Brighton sub will easily blend with your speakers and create an acoustic environment with unbelievably powerful yet controlled bass performance.



## BRIGHTON SUB EQUALIZATION SETTINGS

The Equalization settings are designed to provide both an easy method of accurately blending the subwoofer with your speakers as well as providing a selection of different bass effects to suit personal tastes and various program materials. These effects have been designated with pictures of small, medium, and large speakers, simply choose the setting that best matches the size of your speakers. The frequency range listed below each speaker indicates the range of bass that will be reinforced by this setting. The picture of the subwoofer with the LFE designation should be used if you choose to control the bass through your surround sound receiver Low Frequency Extension output.

Although a specific setting is matched with the low frequency response of a specific speaker size, all rooms have different acoustic characteristics that can affect overall bass performance. You are encouraged to experiment with the various effects to determine which setting best suits your personal taste and reinforces deep bass frequencies in your specific listening area.

Start by choosing the setting that best matches your speaker size or preferences. Gently touch the dual arrow EQ button located on the control panel to toggle through the effects. Then, while seated in your listening position, have someone else slowly toggle through the other settings. Choose the setting that offers the most impact and natural sound.

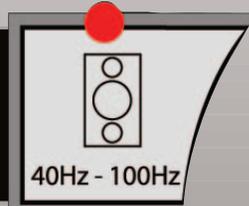
### 50Hz-140Hz

This setting gives satellite and small bookshelf speakers the impact required to fill a room with deep bass. If the loudspeakers in the system are equipped with woofers that are 4" or smaller, this is the recommended setting. This setting will reinforce the bass response in the 50Hz to 140Hz range.



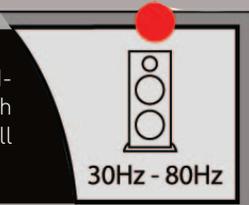
### 40Hz-100Hz

This setting gives bookshelf and medium sized speakers a deep, rich bass effect. If the loudspeakers in the system are equipped with woofers that are 5-6", this is the recommended setting. This setting will reinforce the bass response in the 40Hz to 100Hz range.



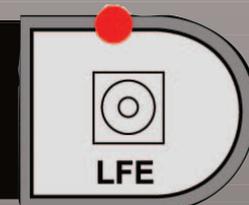
### 30Hz-80Hz

This setting is best suited for systems equipped with large, tower speakers. If the loudspeakers in the system are equipped with woofers that are 8" or larger, or are equipped with multiple medium sized drivers [5-6"], then this is the recommended setting. This setting will reinforce the bass response in the 30Hz to 80Hz range.



### LFE

Many digital surround receivers are equipped with their own low frequency crossover control to adjust the bass sent to a subwoofer. If you choose to use the bass management integrated into your receiver then use the LFE setting. The LFE setting, when used with the bass control of your receiver, will provide the thunderous bass associated with digital effects.



# FEATURES, FUNCTIONS AND BENEFITS

## **FEATURE:** PolyCel Woofer

**FUNCTION:** The proprietary blend of polypropylene, cellulose fibre, and other key elements provides an ideal stiffness to weight ratio that allows the cone to maintain its shape under even the most punishing bass frequencies.

**BENEFITS:** Tight, accurate bass response

## **FEATURE:** Passive Depth Radiator

**FUNCTION:** A blended Fibre Planar Radiator supported by dual surrounds (one visible, one located behind the other inside the cabinet) are moved by the air pressure created within the sealed cabinet by the active PolyCel driver. This provides all the benefit of a tuned port without the associated noise caused by air turbulence.

## **FEATURE:** Top Mounted Control Module

**FUNCTION:** Volume and equalization controls are conveniently located at the top of the cabinet.

**BENEFITS:** Regardless of your choice of placement or installation, the controls are always easily accessible.

## **FEATURE:** Electronic Equalization Settings

**FUNCTION:** Four individual settings covering different frequency ranges eliminates the need for a traditional, basic rotary frequency control and offers a simple method of accurately blending the subwoofer with your speakers as well as providing a selection of bass effects to suit various personal tastes and program material

**BENEFITS:** Adjust and tailor the subwoofer performance easily and accurately.

## **FEATURE:** MOSFET Amplification

**FUNCTION:** Metal Oxide Semiconductor Field Effect Transistors are high current, Class A/B amplifiers that produce large amounts of clean power

**BENEFITS:** Can play at loud volumes yet stay free of distortion

## **FEATURE:** Protection Circuitry

**FUNCTION:** Muting circuits guarantee that there is no noise emanating from the subwoofer when the system is turned on or off. Thermal protection circuits keep the subwoofer running cool, providing added security.

**BENEFITS:** Prolongs the life of the subwoofer while keeping it always working efficiently.

## **FEATURE:** Clipping Circuitry

**FUNCTION:** The CPC(Clipping Protection Circuitry) continuously monitors the output of the amplifier. When it senses clipping, it will attenuate the signal to the point that clipping disappears.

**BENEFITS:** Ensures the clearest possible bass output and protects from potential damage.

## **FEATURE:** Phase Control

**FUNCTION:** The phase of the subwoofer can be switched from normal ( 0 degrees) to reverse (180 degrees) in order to achieve the most accurate bass output.

**BENEFITS:** Fine precision tuning of the bass performance.

## **FEATURE:** Auto/On/Off

**FUNCTION:** The subwoofer amplifier instantly turns on when a signal is present and automatically turns off when a signal is no longer present after approximately 5 minutes but times can vary.

**BENEFITS:** Wonderful convenience, there is no need to manually turn the subwoofer on and off.

## **FEATURE:** MDF Cabinet Construction

**FUNCTION:** Medium Density Fibreboard is used for the cabinet construction due to its rigid and acoustically inert qualities that reduce resonance.

**BENEFITS:** Resonance free cabinets mean no distortion and the most accurate, deep bass response.



## SPECIFICATIONS

The Brighton Sub [SW8.3](#) provides:

- 8" active polyCel driver
- Dual 8" Passive Depth Radiators
- An integrated 125 watt amplifier
- A frequency response of 35Hz-150Hz
- Measures 13" x 13" x 14 1/8"

The Brighton Sub [SW8.3](#) is best suited for:

- Small and medium sized rooms.
- It can be easily blended to satellites, bookshelf speakers, or tower speakers equipped with a single driver up to 8" or dual drivers up to 5.25".
- It's the only Brighton subwoofer equipped with high level inputs to allow it to be connected to electronics that do not have a subwoofer output.

Upgrading to the [SW10.3](#) provides:

- 10" active polyCel driver
- Dual 10" Passive Depth Radiators
- An integrated 250 watt amplifier
- A frequency response of 30Hz-150Hz
- Measures 15" x 15" x 16 1/8"

The Brighton Sub [SW10.3](#) is best suited for:

- Will fill any room size with lots of powerful bass.
- Can be easily blended to satellites, bookshelf speakers, and tower speakers of any driver configuration



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