

Exceptional quality.  
Heard, not seen.



**Designer Series**  
Custom Installed Product Guide



**Boston**  
BostonAcoustics





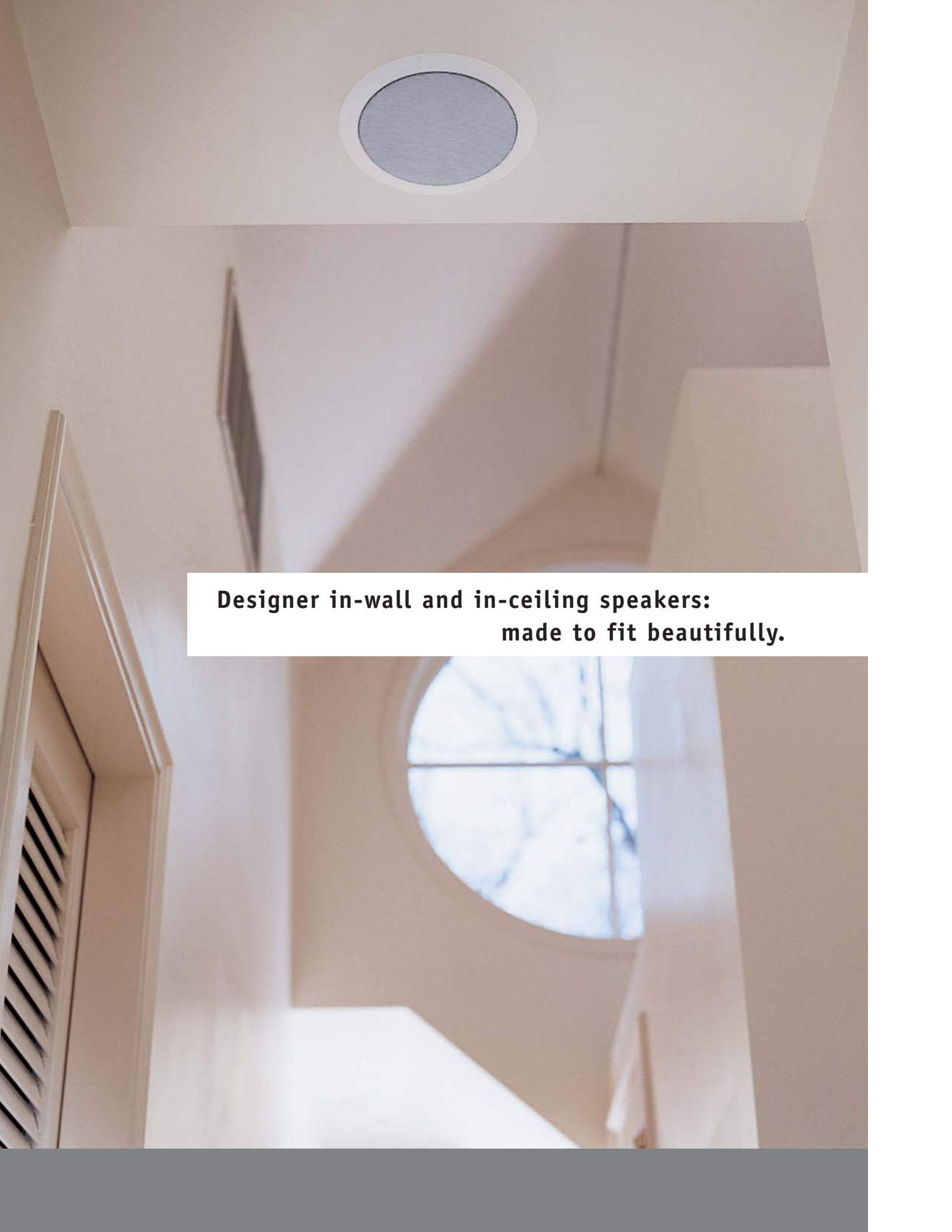
**Stunning whole-house sound:**

The desire for exceptional sound. It doesn't fade when you step from one room to another. And now, thanks to the Boston Acoustics Designer line of speakers, neither does exceptional sound technology. This exclusive line of custom installed in-wall, in-ceiling, and in-floor speakers brings stunningly pure and powerful sound to the whole house. So go ahead. Live to listen. Create a space where quality sound is so second nature, so flawless in its integration, it feels as much a part of the home as the floors, walls, and fixtures. Put the highly acclaimed Boston Sound everywhere you live.

**It's Boston everywhere.**

***The Boston Sound™*** Listening to a Boston system is an audio experience more like a live concert than a recording. It is the sound the artist intended. Pure, natural, true-to-the-original performance. The Boston Sound.

It is the sound recognized for its smooth, octave-to-octave tonal balance from the deepest bass to the highest treble. It is the legendary performance distinguished as much by what it doesn't do as by what it does; not favoring one frequency over another, instead presenting the mids, highs, and lows in perfect balance. It is greater detail across the entire sonic spectrum with no artificially generated coloring or distortion at high volume. And, it is the same consistent voice you hear no matter which Boston speakers you're listening to, or where.



**Designer in-wall and in-ceiling speakers:  
made to fit beautifully.**

**Designed intelligently, for stunning sound.**

Designer speakers expand the realm of quality sound, to create a whole-house system that pleases even the most critical of ears. In fact, these speakers are every bit as exciting as our highly regarded reference speakers. That's because each cone, grille, and bevel facilitates incredible lifelike sound with minimum diffraction and maximum dispersion. Whether you need to fill a single room with sound, install a whole-house system, or design a custom Hidden Theater, we have the high performance Designer speakers that will fit your needs beautifully.

**Styled smartly, for installation that's a snap.**

At Boston Acoustics, we believe the simplest solution is the most elegant solution. We followed this axiom in the design of our Designer in-wall and in-ceiling speakers. Eight cutout sizes and eight matching new construction brackets make installing Boston Designer speakers a snap. To round out the sound, choose from our extensive line of quality in-ceiling, in-wall, and in-floor subwoofers.



## Boston VRi

**Reference quality, in a built-in.** The ultimate in high performance, VRi speakers take key innovations from our most touted enclosed speakers and skillfully adapt them for in-wall and in-ceiling. Features include die-cast woofer baskets and massive front baffles that add rigidity and ensure precise alignment of driver components for unparalleled accuracy and near-zero distortion. We also use die-cast aluminum to create a patent-pending pivoting tweeter cup that acts as a heat sink and makes it easier to attain concert hall quality in any room. Plus, all VRi models include a boundary compensation switch that allows the sound to be tailored to counteract the effects of being installed too close to, or too far away from, a corner. The result is optimum sound from any installation location.

## Designer DSi

**A stunning combination of quality and value.** Like all Designer speakers, the DSi series is styled to be virtually invisible. But turn these speakers on, and you'll experience sound that clearly stands out. That's because we engineered our DSi speakers to outperform all in-walls in their class. And with this line, we thought of everything. Our rectangular DSi speakers feature low-diffraction baffles, knockouts for an IR sensor, and pincushion baskets that offer the most bass from the smallest cutout. For wide dispersion of sound, our DSi round speakers feature a unique floating tweeter island. So why sacrifice performance when you don't have to? We have the DSi in-wall/in-ceiling speakers to fit not only your budget, but your desire for stunning sound as well.

## Tall Rectangle Speakers

8"



### VRi793

High-output in-wall  
8-inch neo, 1½-inch voice coil cast woofer  
4½-inch neo, 1½-inch voice coil midrange  
1-inch VRH.O.™ tweeter  
Midrange/tweeter rotates 90° on a cast aluminum baffle

5¼"



### VRi553

8-inch cast DCD™ woofer  
Neo 3½-inch cast midrange  
Pivoting 1-inch aluminum VR® tweeter in cast aluminum cup  
Midrange/tweeter rotates 90° on a cast aluminum baffle  
IR sensor knockout



### VRi580

Dual 5¼-inch copolymer woofers  
Pivoting 1-inch aluminum VR tweeter in cast aluminum cup  
IR sensor knockout

8"



### VRi580

8-inch cast DCD copolymer woofer  
Pivoting 1-inch aluminum VR tweeter in cast aluminum cup  
IR sensor knockout



### DSi453

Dual 5¼-inch copolymer woofers  
1-inch Kortec® tweeter  
Stainless hardware  
IR sensor knockout



### DSi480

8-inch DCD copolymer woofer  
1-inch Kortec soft dome tweeter  
Stainless hardware and aluminum grille  
IR sensor knockout

## Round Speakers

6½"

5½"

8"

6½"

5½"



### VRi560

6½-inch cast DCD copolymer woofer  
Pivoting 1-inch aluminum VR tweeter in cast aluminum cup  
IR sensor knockout



### VRi585

8-inch cast DCD woofer  
Pivoting 1-inch aluminum VR tweeter in cast aluminum cup  
Cast aluminum floating tweeter island  
Stainless hardware and aluminum grille



### VRi565

6½-inch cast DCD woofer  
Pivoting 1-inch aluminum VR tweeter in cast aluminum cup  
Cast aluminum floating tweeter island  
Stainless hardware and aluminum grille



### VRi555

6-inch DCD copolymer woofer  
Pivoting 1-inch aluminum VR tweeter in cast aluminum cup  
Cast aluminum floating tweeter island  
6-inch driver in the cutout of a 5½-inch



### DSi460

6½-inch DCD copolymer woofer  
1-inch Kortec soft dome tweeter  
Stainless hardware and aluminum grille  
IR sensor knockout



### DSi450

5¼-inch copolymer woofer  
1-inch Kortec soft dome tweeter  
Stainless hardware and aluminum grille  
IR sensor knockout



### DSi485

8-inch DCD copolymer woofer  
1-inch Kortec tweeter in a unique pivoting tweeter island  
Stainless hardware and aluminum grille



### DSi465

6½-inch DCD copolymer woofer  
1-inch Kortec tweeter in a unique pivoting tweeter island  
Stainless hardware and aluminum grille



### DSi455

6-inch DCD copolymer woofer  
¾-inch Kortec tweeter in a unique pivoting tweeter island  
Stainless steel hardware  
6-inch driver in the cutout of a 5½-inch



### DSi260

6½-inch laminate film woofer  
¾-inch tweeter  
IR sensor knockout



### DSi250

5¼-inch laminate film woofer  
¾-inch tweeter  
IR sensor knockout



### DSi265

6½-inch laminate film woofer  
¾-inch tweeter  
Floating tweeter island for wide dispersion



### DSi255

5¼-inch laminate film woofer  
¾-inch tweeter  
Floating tweeter island for wide dispersion

## Boston Installed Powered Subwoofer Systems

*Tight, powerful bass is critical to the realistic reproduction of music and soundtracks. But not everyone is willing (or able) to give up valuable floor space to a subwoofer. Enter Boston's system of installed subwoofers. The beauty of this system is that it's just that: a system. The SA1 subwoofer amplifier is the foundation, and our installed subwoofers are the building blocks. Use them to put powerful bass into any environment.*

**Two Subs are Better than One**—Adding a second installed subwoofer to your SA1 amplifier adds 6dB more bass output. Another benefit of a dual subwoofer system needs a little more explanation: In any room, there are “standing waves” caused by bass energy reflecting off of the walls. Sometimes these standing waves create “null points,” where less bass is heard. By adding a second subwoofer and placing it asymmetrically to the first, you eliminate the null point because the null of one sub will almost never be the same as the null point of the other subwoofer.

**Four Subs are Better than Two**—In the latest digital surround formats, bass information is recorded not just in the front channels, but also in the side and rear channels. You can enhance the impact of any Hidden Theater system, and the realism of the cinema experience, by adding rear and/or side channel subs. The installation versatility of the Boston installed subwoofers makes it easy to fit multiple subs into any room.

**VRiSub85 In-Ceiling Subwoofer System.** A great choice for bass in a stealth installation. The VRiSub85 features the same trim and aluminum baffle as the VRi585 and VRi595, so it perfectly matches all Designer in-wall and in-ceiling speakers. For tight, clean bass the VRiSub85 utilizes two 8-inch, cast-basket DCD™ woofers. Plus the two separate housings mount easily into standard ceiling joists.

**VRiSub82 In-Wall Subwoofer System.** A natural choice for bass in a stealth installation. The VRiSub82 features the same trim and aluminum baffle as the VRi593, so it perfectly matches all Designer in-wall and in-ceiling speakers. For tight, clean bass the VRiSub82 utilizes dual 8-inch, cast-basket DCD woofers. Plus, it mounts easily into a standard 2x4 wall.

**Sub10F In-Floor Subwoofer System.** Installed, this system completely disappears; just a floor register is visible in the room. Turn it on, however, and with its 10-inch DCD woofer mounted in a vented enclosure, the Sub10F will rock the house to its very foundation. Highly versatile, the Sub10F can be mounted under a floor, behind a wall, or under a floor riser in a theater room.



### SA1 Subwoofer Power Amplifier

19-inch rack-mountable  
Selectable crossover and equalizer settings  
Selectable 12-volt trigger and music sense turn on  
Powers up to two installed subwoofers  
Gold-plated left/right and LFE inputs



### VRiSub82

In-wall subwoofer  
Dual 8-inch cast DCD copolymer woofers  
Massive cast aluminum baffle  
Designed to be used with Boston's SA1 Subwoofer Power Amplifier



### VRiSub85

In-ceiling subwoofer  
Dual 8-inch cast DCD copolymer woofers  
Massive cast aluminum baffle  
Designed to be used with Boston's SA1 Subwoofer Power Amplifier



### Sub10F

10-inch DCD copolymer woofer  
Mounts inconspicuously under the floor  
Plays through a standard heating vent  
Designed to be used with Boston's SA1 Subwoofer Power Amplifier



### SGK60

In-ceiling grille for Sub10F Subwoofer  
Use with NCB6 to ensure proper alignment  
Can be painted to match decor

## Boston 3-Way LCR In-Ceiling Speakers

**Remarkably realistic front imaging from ceiling-mounted speakers.** Ideal for front stage audio in home theater systems, VRi595 and DSi495 speakers present a perfect sonic image by placing the midrange and tweeter on an angled MT baffle that faces down toward the listener. This 3-way driver orientation provides directed-dispersion characteristics so that when positioned correctly, the sound seems to come from on-screen. A rotating baffle helps maintain proper soundstage by allowing sound to be directed toward the listener from various locations. This is key when trying to accommodate seating arrangements that are not finalized at the time of installation. To further enhance placement flexibility, the VRi595 incorporates Boston's boundary compensation circuitry.



### VRi595

3-way in-ceiling, LCR  
8-inch cast DCD woofer  
3½-inch neo cast midrange  
1-inch VR aluminum tweeter  
Cast aluminum MT baffle  
Boundary compensation switch



### DSi495

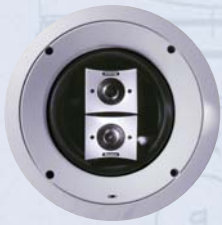
3-way in-ceiling, LCR  
8-inch cast DCD woofer  
3½-inch midrange  
1-inch Kortec® tweeter

## Dual Tweeter Multi-Function Speakers

*In-wall and in-ceiling speakers that provide smart solutions for two common installation needs.*

**Stereo Playback from a Single Speaker.** All four models provide single speaker stereo playback. Simply use direct mode with two-channel input selected. With their large woofers and dual tweeters, these single speakers provide wide coverage and great bass in large hallways, bathrooms, and small to midsize rooms.

**Surround Sound.** The VRi585T2, DSi465T2 and DSi460T2 can be set to single channel operation. Their selectable direct or diffuse modes make them ideal surround speakers. In diffuse mode, the VRi585T2 and DSi465T2 tweeters rotate to direct their null towards the listener.



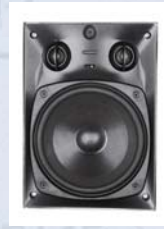
### VRi585T2

Dual voice coil 8-inch cast DCD woofer  
Dual 1-inch VR aluminum tweeters  
Single or dual input; plays stereo signal from single location  
Direct or diffuse operation  
Rotating tweeter island



### DSi465T2

Dual voice coil 6½-inch DCD copolymer woofer  
Dual 1-inch Kortec dome tweeters  
Inputs for both left and right channels  
Single or dual input; plays stereo signal from single location  
Direct or diffuse operation



### DSi460T2

Dual voice coil 6½-inch DCD copolymer woofer  
Dual 1-inch Kortec dome tweeters  
Single or dual input; plays stereo signal from single location  
Direct or diffuse operation



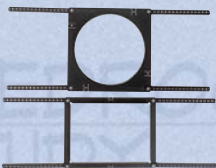
### DSi455T2

Dual voice coil 6-inch DCD woofer  
Dual ¾-inch tweeters  
Voiced for small rooms and hallways  
Plays stereo signal from single location  
6-inch driver in the cutout of a 5½-inch

## Optional brackets and cover plates, for exceptional simplicity and versatility.

*It's a fact: Priorities, budgets, and preferences often change over the course of a construction project.*

*So, we've developed options that make Designer speakers some of the easiest and most flexible you can install.*



### New construction brackets

Just choose a speaker size and install the bracket. At the end of the project, select the appropriate speaker for your budget.

- Simplifies prewire and reserves a speaker location in the wall.
- Enables speakers to be aligned free of frame interference.
- Hinged wings allow for horizontal or vertical mounting.
- A reversible flange allows you to point brackets into the wall for fast, accurate cutouts, or into the room to prevent it from being buried.



### Cover plates

- Covers holes if house is prewired.
- Eliminates the frustrating search for buried speaker wires.
- Covers holes to pass inspection.

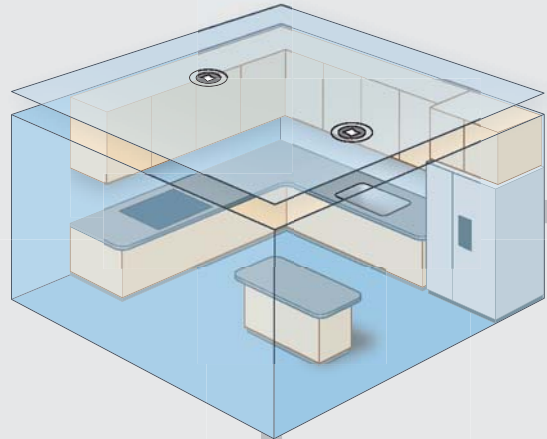
## Designer DSi

Specifications	DSi453	DSi480	DSi460	DSi460T2	DSi450
Frequency Response ( $\pm 3$ dB)	65Hz-20kHz	45Hz-20kHz	52Hz-20kHz	52Hz-20kHz	65Hz-20kHz
Recommended Amplifier Power	10-125 watts	10-150 watts	10-150 watts	10-125 watts	10-100 watts
Nominal Impedance	8 ohms Single input 4 ohms	8 ohms	8 ohms	Dual 8 ohms Single input 4 ohms	8 ohms
Sensitivity [1 watt (2.83v) at 1m]	89dB	89dB	89dB	89dB	88dB
Bass Unit	Dual 5 $\frac{1}{4}$ " (135mm) Copolymer	8" (200mm) DCD Copolymer	Dual Voice Coil 6 $\frac{1}{2}$ " (165mm) DCD Copolymer	Dual Voice Coil 6 $\frac{1}{2}$ " (165mm) DCD Copolymer	5 $\frac{1}{4}$ " (135mm) Copolymer
Tweeter	1" (25mm) Kortec Dome	1" (25mm) Kortec Soft Dome	Dual 1" (25mm) Kortec Soft Dome	Dual 1" (25mm) Kortec Soft Dome	1" (25mm) Kortec Soft Dome
External Dimensions	15 $\frac{5}{8}$ x 9" (396 x 229mm)	13 $\frac{3}{8}$ x 10 $\frac{5}{16}$ " (340 x 262mm)	11 $\frac{9}{16}$ x 8 $\frac{13}{16}$ " (294 x 224mm)	11 $\frac{9}{16}$ x 8 $\frac{13}{16}$ " (294 x 224mm)	10 $\frac{1}{8}$ x 7 $\frac{1}{2}$ " (257 x 191mm)
Mounting Hole Cutout	14 $\frac{1}{4}$ x 7 $\frac{7}{8}$ " (361 x 193mm)	11 $\frac{13}{16}$ x 8 $\frac{7}{8}$ " (200 x 226mm)	10 x 7 $\frac{3}{8}$ " (254 x 187mm)	10 x 7 $\frac{3}{8}$ " (254 x 187mm)	8 $\frac{5}{16}$ x 6" (227 x 152mm)
Mounting Depth From Surface	2 $\frac{1}{4}$ " (71mm)	3 $\frac{13}{16}$ " (97mm)	3 $\frac{1}{2}$ " (89mm)	3 $\frac{1}{2}$ " (89mm)	2 $\frac{7}{8}$ " (73mm)

Specifications	DSi260	DSi250	DSi495	DSi485	DSi465
Frequency Response ( $\pm 3$ dB)	65Hz-20kHz	75Hz-20kHz	48Hz-20kHz	45Hz-20kHz	54Hz-20kHz
Recommended Amplifier Power	10-90 watts	10-90 watts	10-100 watts	10-125 watts	10-100 watts
Nominal Impedance	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Sensitivity [1 watt (2.83v) at 1m]	89dB	90dB	88dB	89dB	89dB
Bass Unit	6 $\frac{1}{2}$ " (165mm) Laminate Film	5 $\frac{1}{4}$ " (135mm) Laminate Film	8" (200mm) DCD Copolymer	8" (200mm) DCD Copolymer	6 $\frac{1}{2}$ " (165mm) DCD Copolymer
Midrange	—	—	3 $\frac{1}{2}$ " (89mm) Stamped Steel Copolymer	—	—
Tweeter	$\frac{3}{4}$ " (20mm) Soft Dome	$\frac{3}{4}$ " (20mm)	1" (25mm) Kortec Soft Dome	Pivoting 1" (25mm) Kortec Soft Dome	Pivoting 1" (25mm) Kortec Soft Dome
External Dimensions	11 $\frac{9}{16}$ x 8 $\frac{13}{16}$ " (294 x 224mm)	10 $\frac{1}{8}$ x 7 $\frac{1}{2}$ " (257 x 191mm)	12 $\frac{5}{16}$ " Diameter (313mm DIA)	12 $\frac{5}{16}$ " Diameter (313mm DIA)	10 $\frac{5}{16}$ " Diameter (262mm DIA)
Mounting Hole Cutout	10 x 7 $\frac{3}{8}$ " (254 x 187mm)	8 $\frac{5}{16}$ x 6" (227 x 152mm)	10 $\frac{7}{8}$ " Diameter (276mm DIA)	10 $\frac{7}{8}$ " Diameter (276mm DIA)	8 $\frac{7}{8}$ " Diameter (225mm DIA)
Mounting Depth From Surface	3" (75mm)	2 $\frac{3}{8}$ " (60mm)	6" (152mm)	5" (127mm)	4 $\frac{3}{4}$ " (120mm)

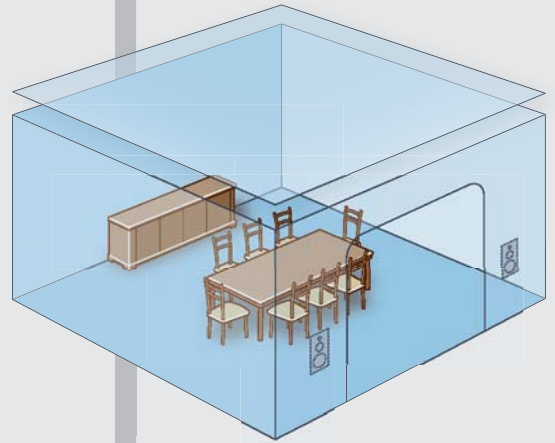
Specifications	DSi465T2	DSi455	DSi455T2	DSi265	DSi255
Frequency Response ( $\pm 3$ dB)	60Hz-20kHz	58Hz-20kHz	75Hz-20kHz	65Hz-20kHz	75Hz-20kHz
Recommended Amplifier Power	10-100 watts	10-100 watts	10-70 watts	10-90 watts	10-90 watts
Nominal Impedance	Dual 8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Sensitivity [1 watt (2.83v) at 1m]	91dB	89dB	92dB	90dB	90dB
Bass Unit	6 $\frac{1}{2}$ " (165mm) DCD Copolymer	6" (152mm) DCD Copolymer	6" (152mm) DCD Copolymer	6 $\frac{1}{2}$ " (165mm) Laminate Film	5 $\frac{1}{4}$ " (135mm) Laminate Film
Tweeter	Dual 1" (25mm) Kortec Soft Dome	Pivoting $\frac{3}{4}$ " (20mm) Kortec Soft Dome	Dual $\frac{3}{4}$ " (20mm)	$\frac{3}{4}$ " (20mm) Soft Dome	$\frac{3}{4}$ " (20mm)
External Dimensions	10 $\frac{5}{16}$ " Diameter (262mm DIA)	8 $\frac{1}{8}$ " Diameter (205mm DIA)	8 $\frac{1}{8}$ " Diameter (205mm DIA)	10 $\frac{5}{16}$ " Diameter (262mm DIA)	8 $\frac{1}{8}$ " Diameter (205mm DIA)
Mounting Hole Cutout	8 $\frac{7}{8}$ " Diameter (225mm DIA)	6 $\frac{3}{4}$ " Diameter (171mm DIA)	6 $\frac{3}{4}$ " Diameter (171mm DIA)	8 $\frac{7}{8}$ " Diameter (225mm DIA)	6 $\frac{3}{4}$ " Diameter (171mm DIA)
Mounting Depth From Surface	4 $\frac{9}{16}$ " (115mm)	4 $\frac{1}{4}$ " (108mm)	4 $\frac{1}{4}$ " (108mm)	4" (100mm)	3 $\frac{1}{16}$ " (77mm)

The Boston Sound,™ everywhere.



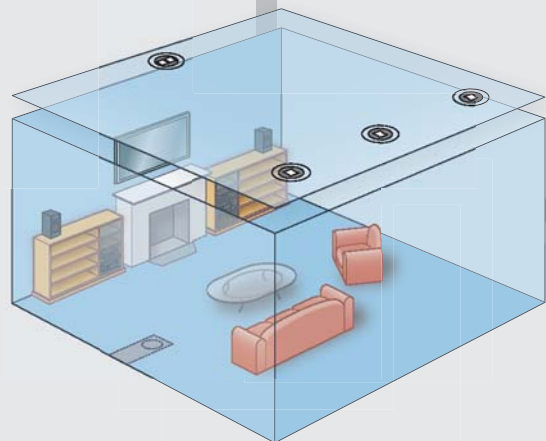
***Kitchen***

Boston in-ceiling speakers centered around the kitchen island provide optimum coverage in the most popular room of the house.



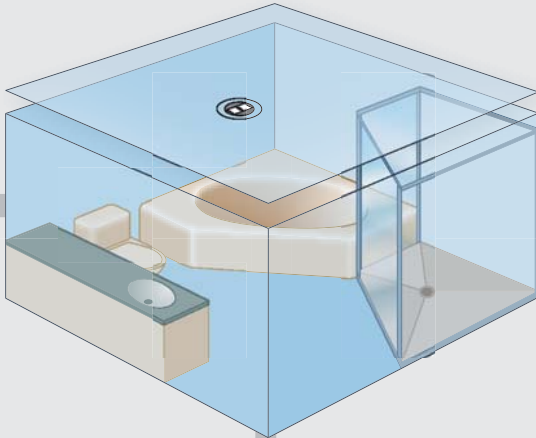
***Dining Room***

In-wall speakers installed low in the wall discretely enhance the dining experience.



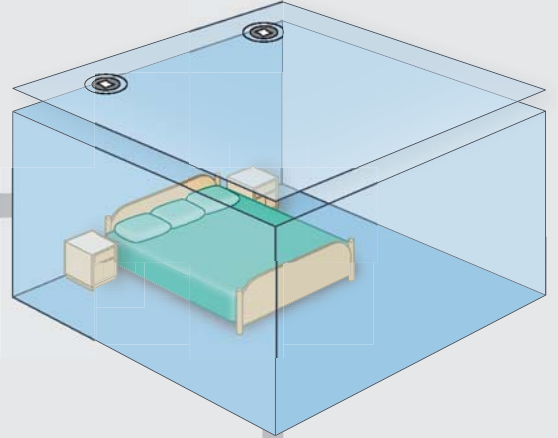
***Living Room***

Boston in-ceiling LCR is the perfect center channel for a flat panel television mounted over a fireplace.



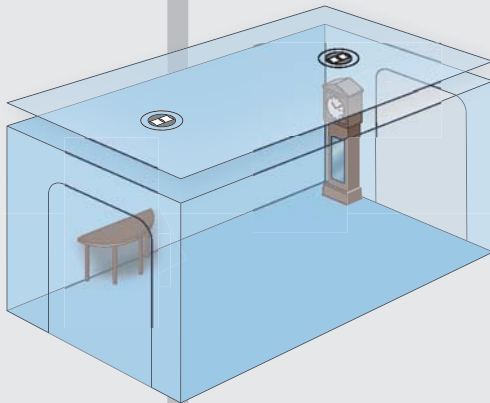
**Bathroom**

When ceiling space is limited, a Boston T2 in-ceiling single speaker stereo model provides ample coverage in a small room, such as a bathroom.



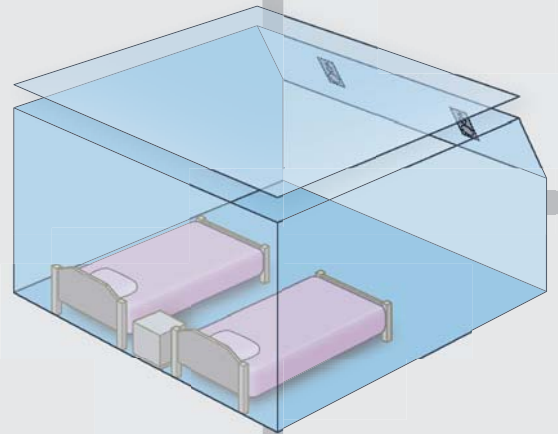
**Master Bedroom**

In-ceiling speakers mounted above the nightstands deliver exceptional sound for listening from the comfort of your bed.



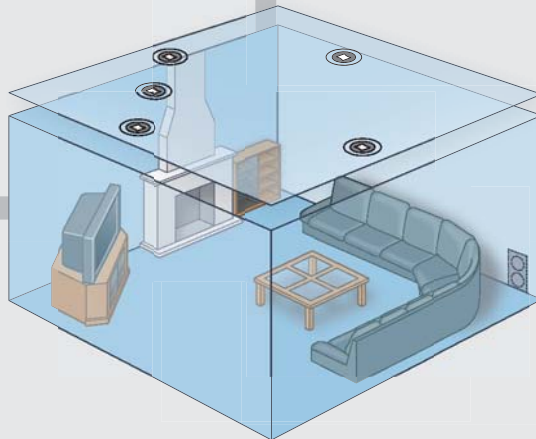
**Hallway**

Hallways are a great place to use several Boston T2 in-ceiling single speaker stereo models for seamless coverage.



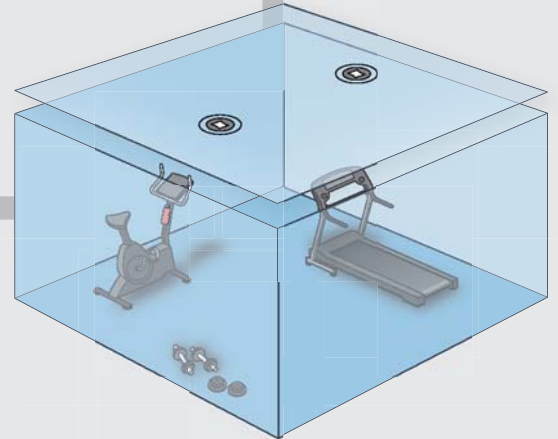
**Bedroom**

For optimum coverage in the entire bedroom, mount in-wall speakers in the angled cove.



**Family Room**

An ideal solution for difficult in-corner media systems, Boston in-ceiling LCRs provide a great sound stage in tight locations.



**Workout Room**

In-ceiling speakers provide the beat for a great workout while leaving ample wall space for mirrors, equipment, and racks.

**Hidden Theater:**  
**surround sound that looks as incredible as it sounds.**

The main left and right channel speakers form the basis of your "music" system, and are mainly responsible for reproducing off-screen effects and the film's soundtrack.

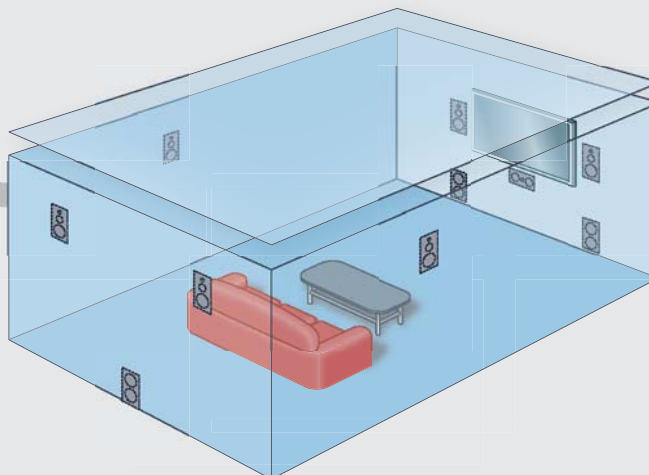
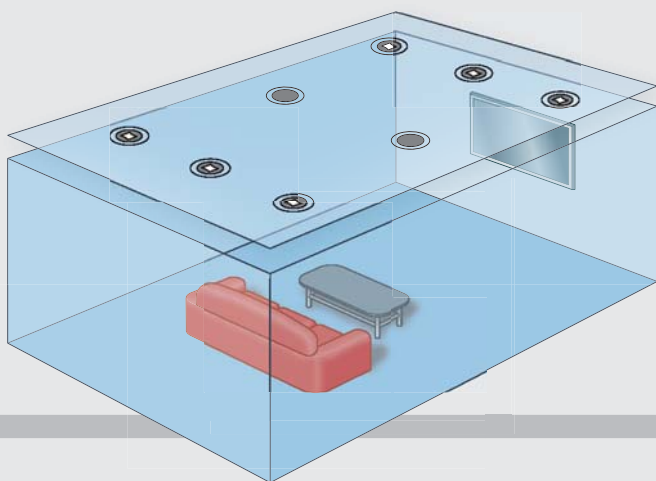
The center channel speaker, arguably the most critical speaker in a Hidden Theater system, creates the connection between what you see and what you hear.

Surround speakers are installed alongside or behind the listening position and are responsible for creating atmosphere and ambience, plus most of the movie's special effects.

The subwoofer reproduces the bass notes and adds realism to special effects such as explosions, jet engines, and earthquakes.

6.1 and 7.1 surround processors often support the surround-back channel(s), which when used in addition to side/rear-mounted surround speakers, enhances the sense of front-to-back motion in a movie's soundtrack and creates a sound field that completely envelops the audience.

Rear channel subwoofer. In any room, there are "standing waves" caused by bass energy reflecting off of the walls. Sometimes these standing waves create "null points," where less bass is heard. By adding a rear subwoofer and placing it asymmetrically to the front sub, you eliminate the null point because the null of one sub will almost never be the same as the null point of the other subwoofer.



**Hidden Theater**

With up to 7 speakers and a subwoofer, today's digital home theater systems completely envelop the listener in sound. But sometimes there's a desire for the speakers to blend into your décor, not take it over. The solution: A Boston Hidden Theater system that delivers all the high-performance and impact desired in a home theater, while preserving those things we value most in our homes. Space. Décor.

**Hidden Theater Package Guide: a simple way to select the best system.**

Selecting a Boston Acoustics Hidden Theater System is simple. Just choose one of our pre-configured packages and add a subwoofer and/or optional surround-back speaker(s). Or, if you prefer, select à la carte from Boston Acoustics' menu of Designer in-wall, in-ceiling, and installed subwoofer speaker systems.

SYSTEM NAME	LEFT (L) / RIGHT (R)	CENTER (C)	SURROUNDS
THE MAJESTIC	VRi793 (2) in-wall or VRi593 (2) in-wall	VRi793 (1) in-wall or VRi593 (1) in-wall	VRi593 (2) in-wall or VRi585T2 (2) in-ceiling
THE MARQUIS	VRi595 (2) in-wall	VRi595 (1) in-ceiling	VRi585T2 (2) in-ceiling
THE ORPHEUM	VRi553 (2) in-wall	VRi553 (1) in-wall	VRi553 (2) in-wall or VRi585T2 (2) in-ceiling
THE BEACON	DSi480 (2) in-wall	DSi453 (1) in-wall	DSi460 (2) in-wall or DSi465T2 (2) in-ceiling
THE CAMEO	DSi495 (2) in-ceiling	DSi495 (1) in-ceiling	DSi465T2 (2) in-ceiling
THE ROXY	DSi460 (2) in-wall	DSi453 (1) in-wall	DSi450 (2) in-wall or DSi455 (2) in-ceiling

## Your Sound Solution™

### Designer VRi

Specifications	VRi793	VRi593	VRi553	VRi580	VRi560
Pivoting Tweeter	—	Yes	Yes	Yes	Yes
Frequency Response (±3dB)	65Hz-22kHz	42Hz-22kHz	69Hz-22kHz	45Hz-22kHz	52Hz-22kHz
Recommended Amplifier Power	20-220 watts	10-200 watts	10-125 watts	10-150 watts	10-125 watts
Nominal Impedance	6 ohms	4 ohms	4 ohms	8 ohms	8 ohms
Sensitivity [1 watt (2.83v) at 1m]	93dB	90dB	91dB	89dB	89dB
Bass Unit	8" (200mm) Cast Neo Magnet 1½" Voice Coil	8" (200mm) Cast DCD Copolymer	Dual 5½" (135mm) Cast Copolymer	8" (200mm) Cast DCD Copolymer	6½" (165mm) Cast DCD Copolymer
Midrange	4½" (115mm) Neo Magnet 1½" Voice Coil	3½" (89mm) Cast Copolymer	—	—	—
Tweeter	1" (25mm) VRH.O™ Aluminum Dome	Pivoting 1" (25mm) VR™ Aluminum Dome with AMD™	Pivoting 1" (25mm) VR Aluminum Dome with AMD	Pivoting 1" (25mm) VR Aluminum Dome with AMD	Pivoting 1" (25mm) VR Aluminum Dome with AMD
External Dimensions	20 <sup>13</sup> / <sub>16</sub> " x 12 <sup>5</sup> / <sub>16</sub> " (528 x 313mm)	20 <sup>13</sup> / <sub>16</sub> " x 12 <sup>5</sup> / <sub>16</sub> " (528 x 313mm)	15 <sup>5</sup> / <sub>8</sub> " x 9" (393 x 229mm)	13 <sup>3</sup> / <sub>8</sub> " x 10 <sup>5</sup> / <sub>16</sub> " (340 x 262mm)	11 <sup>9</sup> / <sub>16</sub> " x 8 <sup>13</sup> / <sub>16</sub> " (294 x 224mm)
Mounting Hole Cutout	19 <sup>7</sup> / <sub>16</sub> " x 11" (494 x 279mm)	19 <sup>7</sup> / <sub>16</sub> " x 11" (494 x 279mm)	14 <sup>3</sup> / <sub>4</sub> " x 7 <sup>5</sup> / <sub>8</sub> " (361 x 193mm)	11 <sup>13</sup> / <sub>16</sub> " x 8 <sup>7</sup> / <sub>8</sub> " (300 x 225mm)	10 x 7 <sup>7</sup> / <sub>8</sub> " (254 x 187mm)
Mounting Depth From Surface	3¾" (96mm)	3¾" (96mm)	2¾" (71mm)	3¾" (96mm)	3¾" (91mm)

Specifications	VRi595	VRi585	VRi585T2	VRi565	VRi555
Pivoting Tweeter	—	Yes	Yes	Yes	Yes
Frequency Response (±3dB)	48Hz-22kHz	45Hz-22kHz	48Hz-22kHz	52Hz-22kHz	58Hz-20kHz
Recommended Amplifier Power	10-150 watts	10-150 watts	10-100 watts	10-125 watts	10-125 watts
Nominal Impedance	8 ohms Single input 4 ohms	8 ohms	Dual 8 ohms Single input 4 ohms	8 ohms	8 ohms
Sensitivity [1 watt (2.83v) at 1m]	89dB	89dB	92dB	89dB	89dB
Bass Unit	8" (200mm) Cast DCD Copolymer	8" (200mm) Cast DCD Copolymer	8" (200mm) Cast DCD Copolymer	6½" (165mm) Cast DCD Copolymer	6" (152mm) DCD Copolymer
Midrange	3½" (89mm) Neo Cast Copolymer	—	—	—	—
Tweeter	1" (25mm) VR Aluminum Dome	Pivoting 1" (25mm) VR Aluminum Dome with AMD	Dual 1" (25mm) VR Aluminum Dome	Pivoting 1" (25mm) VR Aluminum Dome with AMD	Pivoting 1" (25mm) Anodized Aluminum Dome with AMD
External Dimensions	12 <sup>3</sup> / <sub>16</sub> " Diameter (313mm DIA)	12 <sup>5</sup> / <sub>16</sub> " Diameter (313mm DIA)	12 <sup>5</sup> / <sub>16</sub> " Diameter (313mm DIA)	10 <sup>5</sup> / <sub>16</sub> " Diameter (262mm DIA)	8 <sup>3</sup> / <sub>16</sub> " Diameter (205mm DIA)
Mounting Hole Cutout	10 <sup>7</sup> / <sub>8</sub> " Diameter (276mm DIA)	10 <sup>7</sup> / <sub>8</sub> " Diameter (276mm DIA)	10 <sup>7</sup> / <sub>8</sub> " Diameter (276mm DIA)	8 <sup>7</sup> / <sub>8</sub> " Diameter (225mm DIA)	6¾" Diameter (171mm DIA)
Mounting Depth From Surface	6" (152mm)	5" (127mm)	4 <sup>15</sup> / <sub>16</sub> " (125mm)	4¾" (120mm)	4¾" (120mm)

### Subwoofers

Specifications	VRiSub85	VRiSub82	Sub10F
Frequency Response (±3dB)	33Hz-160kHz	33Hz-160kHz	29Hz-160kHz
Nominal Impedance	8 ohms	8 ohms	8 ohms
Bass Unit	Dual 8" (200mm) DCD Copolymer	Dual 8" (200mm) DCD Copolymer	10" (254mm) DCD Copolymer
Dimensions Without Bracket (HxWxD)	12 <sup>3</sup> / <sub>16</sub> " Diameter (313mm DIA)	20 <sup>13</sup> / <sub>16</sub> " x 12 <sup>5</sup> / <sub>16</sub> " (528 x 313mm)	14 <sup>3</sup> / <sub>16</sub> " x 31 <sup>1</sup> / <sub>2</sub> " x 8 <sup>1</sup> / <sub>4</sub> "* (358 x 801 x 210mm)

Installed subwoofers must be used with SA1

\*9¼" including 1" gasket

### Amplifier

Specifications	SA1
Amplifier Power (< 1% THD)	140 watts continuous, 8 ohms; 210 watts continuous, 4 ohms
Crossover Frequency	40-160Hz, 24dB/octave lowpass
Inputs	Left and right stereo line level LFE line level for crossover bypass
12-Volt Trigger Input Voltage	9-14 volts DC @ 1.5mA max. ¼" Diameter female plug with tip positive
External Dimensions (HxWxD)	3½" x 19" x 12½" (89 x 483 x 318mm) 3¾" x 19" x 12½" (92 x 483 x 318mm) with feet 2 EIA rack spaces without feet
Weight	18 lbs. (8.2kg)