

Paradigm®

SFC12-SW

Seismic Force-Canceling In-Wall Subwoofer

Specifications Sheet



Quiet Walls, Mighty Bass

Imagine phenomenal output, breathtaking clarity, and superb extension and speed from an in-wall subwoofer without compromising the integrity of your walls.

Traditional in-wall subwoofers often struggle to produce serious bass, making vibrational energy a non-issue. However, the Seismic Force-Canceling 12 (SFC12-SW) defies these limitations. It's free to dig deeper for new levels of articulate, gut-rumbling bass while achieving new heights in performance. Featuring dual proprietary Carbon-X drivers and a cutting-edge Vibration-Canceling configuration—pioneered in our Signature Sub, Persona Sub, and our flagship Persona 9H models—the SFC12-SW delivers deep, articulate, and powerful bass without tearing your wall to shreds with the first big explosion or tympani crescendo.



OTHER FEATURES

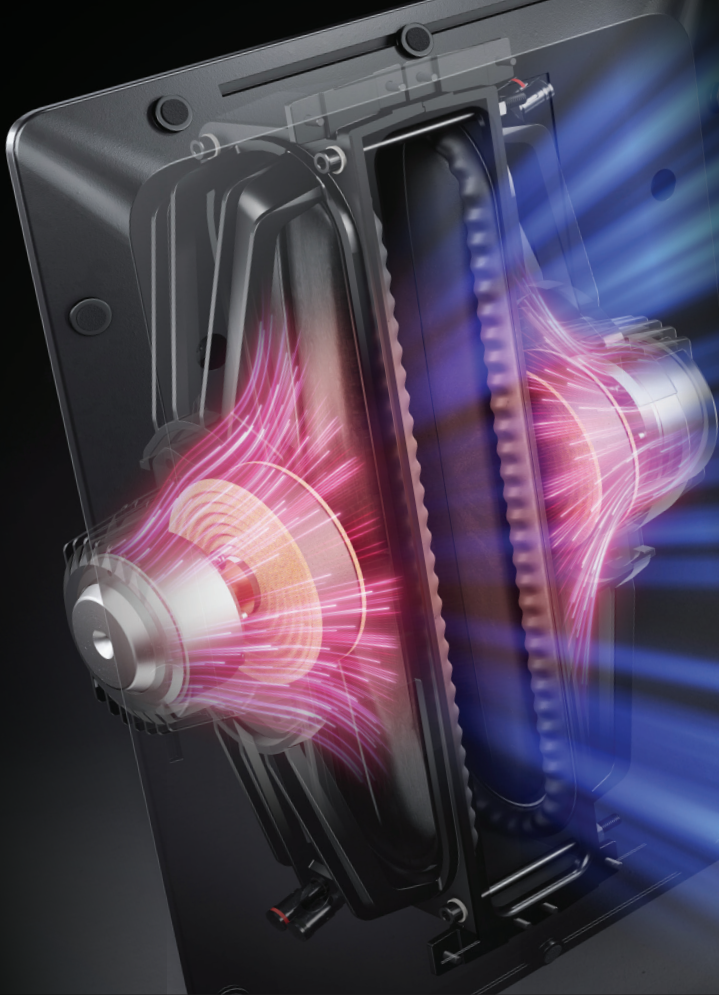
Ultra Rigid Die-cast chassis, baffles, and aluminum clamps add strength and rigidity for better bass performance, along with a more durable installation.

Nickel-plated, spring-loaded binding posts feature a larger wire hole to accept higher-gauge wire.

Premium-grade components include high-power rated resistors, capacitors and heavy gauge wire inductors.

Quality materials and design ensures countless years of reliable performance:

We use a 1" (25mm) 6-layer voice coil with an anodized high-temperature Kapton former and dual Nomex cloth spiders.



Dual Proprietary 3.5" x 15" (90mm x 400mm) Carbon-X Cones

Our dual proprietary 3.5" x 15" (90mm x 400mm) Carbon-X cones are highly damped and tremendously rigid. They provide tight, well-defined low-frequency response with a weight and authority that highlight the most challenging music and movie soundtracks. To take things even further, Paradigm engineers deployed our patented over-molded Active Ridge Technology (ART) to produce truly exceptional peak-to-peak cone movement, delivering higher output and lower distortion to ensure every bass note sounds distinct and is delivered with authority.

But that's not all; each SFC12-SW driver features over 1/2 lb of FEA-optimized super-neodymium magnets in each motor structure, ensuring ample power on demand. We use a 1" (25mm) 6-layer voice coil with an anodized high-temperature Kapton former and dual Nomex cloth spiders to ensure countless years of reliable performance. All of this is wrapped in a one-piece high-pressure ultra-rigid die-cast chassis designed to withstand every decibel of enormous power generated by the proprietary bass drivers.

Make no mistake; the SFC12-SW is a powerhouse and a masterclass in in-wall subwoofer design!



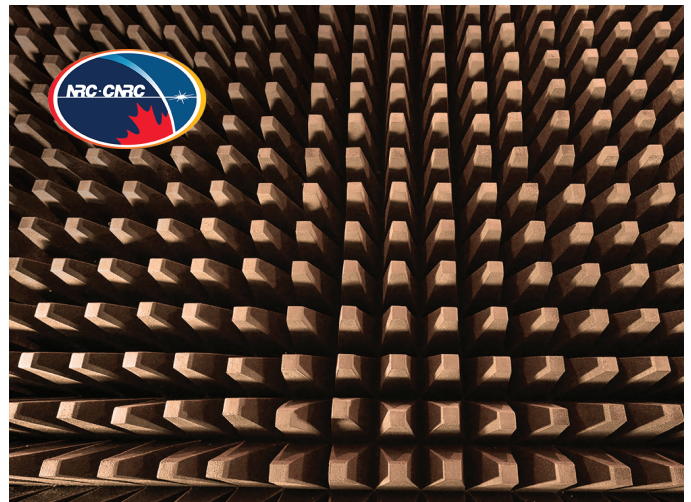
Seamless Integration, Retrofit Installation

Designed to fit seamlessly into your home, the SFC12-SW in-wall subwoofer is both aesthetically pleasing and easy to install. Its sleek, low-profile design ensures that it blends effortlessly into any room, providing powerful bass without taking up valuable floor space. Upgrading your audio system with the SFC12-SW in-wall subwoofer is a breeze, even if you're working with an existing setup. Designed with retrofit installations in mind, the SFC12-SW offers a straightforward installation process that minimizes disruption and maximizes convenience.



Low-Profile Paintable Perforated Metal Grille

The SFC12-SW in-wall subwoofer features a sleek, bezel-free, low-profile perforated metal grille that enhances its aesthetic appeal while ensuring durability and optimal performance. Designed to blend into any room decor seamlessly, the grille is easily paintable, allowing you to customize its appearance to match your existing color scheme. Enjoy high-performance bass without sacrificing the visual harmony of your living environment.



Experience Ultimate Performance with the Paradigm Amplifiers

Enhance your sound system with the SFC12-SW in-wall subwoofer and Paradigm amplifiers. Compatible with the SVX-1202 and X-500, it delivers deep, precise bass without sacrificing floor space. Use two SFC12-SWs with the SVX-1202 for greater impact or a single SFC12-SW with the X-500.

Partnered with the NRC

Paradigm is partnered with Canada's world-renowned NRC in ongoing research to reveal the true nature of sound and human hearing. Findings influence design and performance specs, resulting in a uniquely realistic listening experience, backed by sound science.

TECHNICAL SPECIFICATIONS

SFC12-SW	
DESIGN	Dual high-excursion drivers, in-wall, and GRIP™ chassis/mounting bracket
LOW FREQUENCY DRIVER	Dual 3.5 in (90-mm) x 15 in (400-mm) Carbon-X high-excursion drivers with FEA-optimized super-neodymium magnets with 1" (25mm) 6-layer voice coil, patented over-molded Active Ridge Technology (ART) surround.
MINIMAL INTERNAL VOLUME REQUIRED	1.0 cu ft (28.4 L)
FREQUENCY RESPONSE	20Hz - 150Hz
LOW FREQUENCY EXTENSION**	15 Hz (DIN)
RECOMMENDED AMPLIFIERS	Paradigm X-500 and SVX-1202
MAXIMUM INPUT POWER†	400W
MINIMUM MOUNTING DEPTH	3.75" (9.5cm)
IMPEDANCE	Compatible with 8 ohm
WEIGHT	16lbs (7.27kg)
MOUNTING DIMENSIONS (h x w x d)§	19.33" x 14.17" x 4.88" (49.1cm x 36cm x 12.4cm)
FINISH	White, paintable



The SFC12-SW is completely designed, engineered, and built at our state-of-the-art manufacturing facility just outside of Toronto, Canada. It's made by people who love great audio (*just like you*). From the hand-chosen, specially engineered components and materials to the precise workmanship, the SFC12-SW is truly hand-built for performance. We believe that building loudspeakers is an art, and it's this deep-seated passion for crafting exceptional speakers that proudly defines our "Made in Canada" legacy.

All specifications are subject to change without notice. * DIN 45 500. Indicates -3 dB in a typical listening room. † When used with Paradigm SVX-1202 or X-500. ‡ With typical program source provided the amplifier clips no more than 10% of the time. § Includes grille and terminal posts.