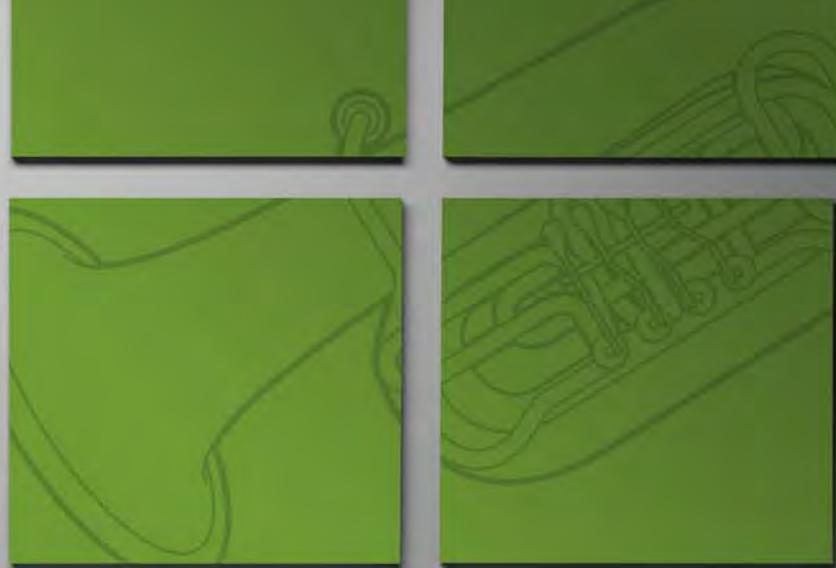




WHITE, PAINTABLE



Dual State-of-the-Art Side-Mounted 4" (102 mm) x 14" (356 mm) Mineral-Filled Co-Polymer Polypropylene Cones. Highly damped and tremendously rigid cone provides tight, well-defined low-frequency response with a weight and authority that does justice to the most challenging music and movie material.



Pleated LCS™ Linear Corrugated Surround features Ultra-Long-Travel Suspension. The over-molded design produces truly exceptional peak-to-peak cone movement producing higher output and lower distortion—every bass note sounds distinct. Cone ribbing increases stiffness, reducing resonances to inaudible levels.



State-of-the-Art Motor Structure/FEA-Optimized 1/2-lb (0.19 kg) Super-Neodymium Magnets. 1" (25 mm) 6-layer voice-coil, anodized high-temperature aluminum former and dual Nomex® cloth spiders. The huge ceramic/ferrite magnets generate a truly enormous magnetic forcefield in the gap ... always a plus in a subwoofer!



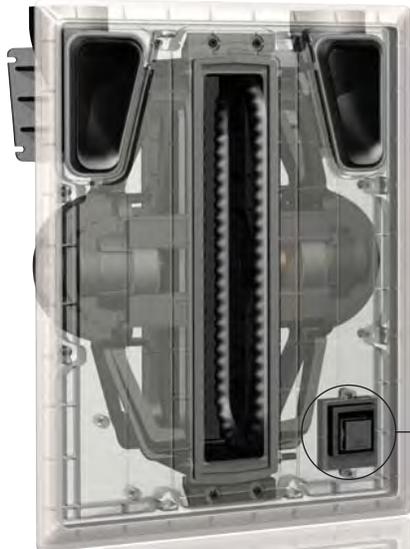
One-Piece High-Pressure Ultra-Rigid™ Die-Cast Chassis and Immovable MDF Medium Density Fiberboard Mounting System: State-of-the-art system! A superbly rigid structure that easily withstands every decibel of the enormous power generated by the two state-of-the-art 4"x14" bass drivers! **NOTE: A backbox is optional with this subwoofer.**

PBK[™]
R E A D Y

Your high quality home deserves high quality sound!



Twin vibration-canceling woofers!



Impedance Matching Switch:
Allows use with X-300 or X-850 amplifiers

RVC-12SQ

BIG BASS WITH NO FLOOR SPACE!

How do you get Reference quality performance (i.e. phenomenal output, breathtaking clarity, superb extension and speed!) out of an in-wall subwoofer without it tearing your wall to shreds with the first big explosion or tympani crescendo?

Serious high-output subwoofers produce real energy. However, the majority of in-wall subwoofers out there don't (read: CAN'T!) produce serious bass, so vibrational energy isn't an issue. Not so with the RVC-12SQ in-wall subwoofer. It's like a dog off the leash. Free from the constraints of conventional in-wall design, boasting dual state-of-the-art 14" drivers in a cutting-edge **Vibration-Canceling design architecture** (see below), it's free to dig deeper for new levels of articulate, soul-stirring bass while chasing new heights in performance.

WE'RE STIRRING UP GOOD VIBRATIONS

Bass frequencies are notorious for stirring up wall vibrations – not a good thing! Conventional in-wall subs excite these vibrations through a reactive force opposite to that created by the movement of the voice coil. We turned things around. In the RVC-12SQ the two woofers fire in phase, in opposite directions (see transparency above left). This results in a physical cancelation of wall vibrations.

Paired with a matching Paradigm X amp and enhanced by the critically acclaimed Paradigm Perfect Bass Kit™ digital room correction system (sold separately), RVC-12SQ delivers bass that will rock your world, not your walls.

For new construction an optional **BX-12SQ** backbox is designed to maximize output by adding precision low-noise ports. In truth, with the use of this backbox, performance is even a notch better!

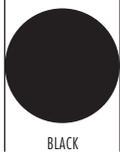
“... eschewed cabinet rattles ... created smooth bass that was evenly distributed throughout the room. One sub certainly filled my 23 x 16-foot listening room ... two, placed strategically, would be a killer.”

- Gary Altunian, *The Perfect Vision*

Minimal footprint: For retrofits and new construction mounts into a standard 2" x 4" stud bay.



Backbox optional for new construction applications.



BLACK

X-Series Amplifiers

X-850: 2,550 watts Dynamic Peak Power / 850 watts RMS Continuous Sustained. Powers one or two Paradigm Reference custom subwoofers.

X-300: 900 watts Dynamic Peak Power / 300 watts RMS Continuous Sustained. Powers one Reference or two, three or four Paradigm custom subwoofers.

Control Facilities:

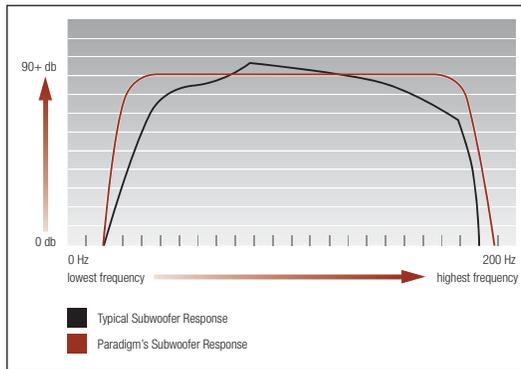
- Auto On/Off
- Subwoofer Level
- Subwoofer Cut-Off Frequency (continuously variable 35 Hz – 200 Hz in X-850: 35 Hz – 150 Hz in X-300) with Bypass Option
- Sub/Sat Phase Alignment (continuously variable 0° to 180°)

Input Facilities:

- Single-Ended RCA Inputs
- Sub-In Right (Mono) Input
- Balanced XLR Input (X-850 model only)
- USB Port/PBK Interface (see next page)



Shown: X-850



Paradigm's DSP design boasts sophisticated algorithms which shape frequency response, ensuring accurate, consistent and musical bass performance without audible distortion, even when the subs play at the loudest levels.



Easy-to-Adjust Front-Panel Controls. Glass cover attaches magnetically once controls are set.





<i>RVC Series</i>	RVC-12SQ
Design	Vibration-canceling in-wall, two high-excursion drivers, die-cast chassis with MDF mounting frame
Matching Paradigm® X-Series Amplifiers (required, sold sep.)	X-850 (for 1 or 2 RVC-12SQ subwoofers) X-300 (for 1 RVC-12SQ subwoofer)
Bass Drivers	Two 356-mm (14 in) x 102-mm (4 in) mineral-filled co-polymer polypropylene cones
Low-Frequency Extension*	17 Hz (DIN)
External Dimensions: (D or H x W)	45.1 cm x 34.9 cm 17-3/4 in x 13-3/4 in
Minimum Mounting Depth**	8.9 cm / 3-1/2 in
Cutout Dimensions: (D or H x W)	41.7 cm x 32.0 cm / 16-7/16 in x 12-10/16 in
Minimum Internal Volume Required	28.4 L / 1 cu ft
Weight (unpacked)	6.5 kg / 14.3 lb each
Finish	White, paintable
Optional Ported Backbox (sold sep.)	BX-12SQ



<i>X-Series Amplifiers</i>	X-300	X-850
Design	Ultra-Class-D™ power amplifier, proprietary EQ software to configure amp for specific application, USB port/PBK interface for programming and optional PBK digital room correction system	Ultra-Class-D™ power amplifier, proprietary EQ software to configure amp for specific application, USB port/PBK interface for programming and optional PBK digital room correction system
Amplifier: High-Current, Discrete Output	900 watts Dynamic Peak / 300 watts RMS	2,550 watts Dynamic Peak / 850 watts RMS
Amplifier Features	Auto-On/Off, soft clipping, electrical shorting protection, thermal protection	Auto-On/Off, Trigger On/Off, soft clipping, electrical shorting protection, thermal protection
Subwoofer Cut-Off Frequency	Variable 35 Hz – 200 Hz; Bypass Option	Variable 35 Hz – 200 Hz; Bypass Option
Sub/Sat Phase Alignment	Variable 0° – 180°	Variable 0° – 180°
Line-Level Input	RCA. From Sub-Out/LFE-Out of receiver, processor or other line-level source	RCA or Balanced XLR. From Sub-Out/LFE-Out of receiver, processor or other line-level source
Speaker-Level Outputs	SUB 1/2; SUB 3/4	SUB 1/2
Height, Width, Depth	8.9 cm x 43.2 cm x 37.5 cm: 2 rack units 3-1/2 in x 17 in x 14-3/4 in: 2 rack units Includes rack ears for mounting in 19" rack	8.9 cm x 43.2 cm x 37.5 cm: 2 rack units 3-1/2 in x 17 in x 14-3/4 in: 2 rack units Includes rack ears for mounting in 19" rack
Weight (unpacked)	6.1 kg / 13.5 lb each	7.4 kg / 16.3 lb each
Finish	Black	Black