



SC-600 Amplifier, SC-600 IW (In-Wall) and  
SC-600 IF/IC (In-Floor/In-Ceiling) Subwoofers

**SubContractor™**  
Series

# SubContractor™ Series

*Velodyne Acoustics, the #1 rated subwoofer brand for over 25 years, now offers the Subcontractor SC-600 Series – an affordable, easy-to-install line of custom-installation subwoofers, providing powerful bass with minimal wall vibration.*

## **The challenges:**

Today, in-wall or in-ceiling speakers are a great solution for home listening for many homeowners. However, few, if any, of these in-wall or in-ceiling speakers generate any true bass. Installing a big-box subwoofer to get bass is not a workable option in many cases. Where would you hide a large box—ceiling, floor, closet, or riser? Shape and size generally make this very difficult.

What about in-wall subwoofers? Unfortunately, in-wall subwoofers are generally not a good solution. Most custom-installed subs reproduce minimal low bass, or even worse, make the drywall vibrate. Can an in-wall subwoofer produce terrific bass, with minimal unwanted vibration, at an affordable price?

## **The solutions:**

Now, Velodyne has the answer to the question that homeowners and interior decorators have been asking for years! The SC-600 IW (In-Wall)'s unique counter-balanced design produces terrific bass, and limits unwanted wall vibration. A flush grill provides a clean appearance, and its integrated cabinet makes installation easy. The SC-600 IF/IC (In-Floor/In-Ceiling) gives style-conscious homeowners undisturbed wall surfaces, while providing thunderous bass. Either sub is matched perfectly by the powerful, easily configurable SC-600 amplifier. Great-sounding, invisible bass has never been so affordable.

## **A systems approach:**

The SC-600 Series subs and amplifier are matched by Velodyne's renowned engineering team to work perfectly together. Velodyne's digital DSP software customizes all amplifier parameters (distortion-limiting, EQ curves, protection circuitry, anti-clipping circuitry etc). With a simple front-panel selection, the amplifier is custom-configured to drive either subwoofer to its maximum available cone travel, for deepest bass extension and impact without audible distortion.

## **Remote Control (Full-featured)**

### **Auto-EQ Room Bass Correction**

The SC-600 systems include remote control, with four bass presets to customize your movie or music listening. Subwoofer volume, phase adjustment for perfect speaker blending, and a restricted-dynamics "night mode" are easily adjusted.

Subwoofer placement in a room can dramatically impact its performance. An installed sub is physically fixed, so for the best sound it must be equalized for its room environment and placement. Regardless of which SC-600 subwoofer you choose, just place the included mic in the preferred listening position, and push the remote control's "EQ" button. The internal signal generator's tones are digitally analyzed by DSP, and the 5-band equalizer is automatically adjusted for the best bass performance, regardless of subwoofer placement.

## **Key Benefits**

- Full feature IR remote control provides four different listening preferences
- Perfectly tune the sub to the room with Auto-EQ Room Bass Correction to get ideal bass at your listening position
- Subwoofer volume, phase and night mode can all be adjusted remotely





## **SC-600 IW** (In-Wall) *Subwoofer with Integrated Cabinet*

The SC-600 IW In-wall subwoofer fits flush in a standard 2x4 studded wall, and incorporates a sealed cabinet (no need for a separate back-box), for easy retrofit or new construction installation. It delivers tight, dynamic bass for music and home theater. A unique triple vector design, with twin active 6.5" long-throw drivers and twin custom passive radiators firing at 45 degree angles to the drivers, maximizes excursion *within* the wall cavity, reducing wall vibration by 50% vs. other in-wall subs. This design creates a bass radiating surface equal to a 14" driver, yet fits flush in a 2x4 wall with a small footprint. The sealed cabinet's sides attach to standard 2x4 studs with four drywall screws, two per side. Its top and bottom attach to the drywall with six clamps, making installation as easy as "cut, install, plug and play".

### **Key Benefits**

- *Easy install in retro-fit or new construction, with integrated cabinet; just cut, plug and play*
- *New construction mud-ring is available as a place-holder*
- *Amazing deep, powerful, low distortion bass performance*
- *Minimum wall vibration via the unique triple vector design*
- *Low-profile design virtually disappears, fitting flush in a standard 2x4 wall*
- *Very reliable, with a strong 5-year parts and labor speaker warranty*



## **SC-600 IF/IC** (In-Floor/In-Ceiling) *Subwoofer*

The SC-600 IF/IC installs easily in floors, ceilings, risers and cabinets, delivering high output, dynamic bass for music and home theater. A powerful, extended-excursion 12" driver boasts a massive (56 oz) magnet structure, copper-wound four layer voice coil, and vented pole piece, for high impact bass you'll really feel. The slot-loaded bass reflex cabinet is both efficient and low in distortion. The unique installation system's four brackets are easily mounted anywhere on the cabinet. A paintable, perforated metal 12" ceiling grille is available as an option.

### **Key Benefits**

- *No visual interruption of the wall, for a truly custom-installed look*
- *Deep, powerful bass performance you can really feel*
- *Easily installs in floors, closets, ceilings, risers, and cabinets*
- *Works great for new construction or retrofit installations*
- *Very reliable, with a strong five-year parts and labor speaker warranty*



# SC-600 Amplifier



The SC-600 amplifier is a 400-watt dynamic, 200-watt RMS, two unit high, rack-mountable amplifier. This proven, reliable A/B design is very musical sounding, with superior headroom for clean, powerful bass. The SC-600 amp is digitally tuned with DSP software, to perfectly match its system companions, the SC-600 IW and SC-600 IF/IC subs. Digital precision assures maximum driver excursion and bass output, without risk of overdriving the subwoofer. Crossover frequency control, duplicate volume controls, and mic jack for room-bass EQ are on the amplifier's front panel, for easy setup. Configuring the amp to optimize the SC-600 IW or SC-600 IF/IC sub's performance is easily done on the front panel.

## Key Benefits

- Superior headroom for dynamic bass with impact and authority
- Exclusive Velodyne distortion-limiting circuitry prevents audible distortion
- System friendly: 12-volt trigger, IR repeater jack, RS-232 Controllable (Crestron Certified)
- Twin systems can be run via rear-panel pass through to a second SC-600 amp (a single SC-600 amp running two subs is not possible)
- Easy connection to the subwoofer with conventional speaker wire
- Very reliable, with a strong warranty - three years parts and labor



## SPECIFICATIONS

Model	SC-600 AMPLIFIER	Model	SC-600 IW (In-Wall)	SC-600 IF/IC (In-Floor/In-Ceiling)
Amplifier Class A/B	400 watts Dynamic 200 watts RMS Power	Woofer	Two 6.5" active drivers Two 12.5" x 3" passive drivers	12" (9.7" piston diameter) subwoofer
High Pass Crossover	80Hz (6 dB/octave)	Frequency Response Overall, (+/-3)	37-120Hz 23-250 Hz, 34-180 Hz	25-120Hz 15-200 Hz, 24.9-120 Hz
Low Pass Crossover	30Hz-160Hz, Defeatable, 24 dB/octave slope	Harmonic Distortion	<5% (typical)	<5% (typical)
Inputs	Line and Speaker Level	Magnet Structure	64 oz. (4 lbs) each active 128 oz. (8 lbs) total	56 oz. (3.5 lbs)
Outputs	Line level, 80Hz up, speaker level	Voice Coil	4-layer copper	4-layer copper
Phase	0°, 90°, 180°, 270°	Dimensions (H/W/D) (Inc. feet & flange)	18.6" x 16.5" x 4.3" (47.2 x 42 x 11 cm)	9" x 14" x 32" (23 x 35.6 x 81.3 cm) ** Allow 1-2 extra inches in depth for wire
Dimensions (H/W/D) (Inc. feet & grille)	3.6" x 17.0" x 13.0" (9 x 43.2 x 33 cm)  ** Allow two extra inches in depth for wire connectors and power cable.  ** Includes feet. Feet can be removed for rack mount use. Unit is approximately "two rack units" high.	Grille	16.25" H x 14" W	12"
Warranty (parts/labor) (North America)	Three years (electronics) Five years (drivers)	Cut-out Dimensions	16.67" H x 14.5" W	11"
Shipping Weight (approx.)	25 lbs. (22.7 kg)	Cabinet	Passive radiator design	Slotted bass reflex enclosure
		Warranty (parts/labor) (North America)	Three years (electronics) Five years (drivers)	Three years (electronics) Five years (drivers)
		Shipping Weight (approx.)	22 lbs. (9 kg)	40 lbs. (18 kg)



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