

## **SC-600 Series**

*Preliminary*

### **SC-600 Amplifier**

The SC-600 amplifier is the muscle behind the SC-600 IW and SC-600 IF/IC subwoofers. The SC-600 amplifier can also be used to drive other passive subwoofers.



#### **Features**

- Superior headroom that delivers the most dynamic special effects with impact and authority
- Full feature IR remote control with presets for four different listening preferences, volume control, phase adjustment and night mode
- Incorporates exclusive Velodyne distortion-limiting circuitry
- System integration features: 12V trigger, IR repeater jack, RS-232 controllable (Crestron Certified)
- Comes complete with microphone and rack mount hardware
- Connects with conventional speaker wire
- Easy to service

#### **Easy to Configure and Use**

The SC-600 amp is a 2-unit high design with included rack-mount ears. To deliver optimum performance, the SC-600 is precisely tuned to either the SC-600 IW or SC-600 IF/IC using Velodyne's exclusive DSP control. Simply dial in the product you've connected and all the rest is automatic. The SC-600 amp also boasts a built-in test tone generator, a one-touch 7-band automatic room equalizer, 12-volt trigger, IR repeater jack, RS-232 control port (Crestron Certified), and comes with a full feature remote control with four listening presets. The crossover, duplicate volume controls, and mic jack for room bass EQ are on the front panel making setup a breeze. Standard speaker wire is all that's needed to connect to the SC-600 IW, SC-600 IF/IC or other passive subwoofer.



#### **DSP Digital Accuracy**

Velodyne's DSP technology maximizes usable amplifier power and provides maximum available cone travel without overdriving. The software parameters used in the SC-600 amp are customized for use with either the SC-600 IW or the SC-600 IF/IC, and are selected on the front panel when installing the amplifier. With digital precision, it is possible to achieve the maximum allowable performance from both the amplifier and woofer motor structure without overdriving either. The result is deeper bass extension, bigger impact and less distortion.

## Reliable Class A/B Amplifier

With 400 watts dynamic power and 200 watts of continuous RMS power, the SC-600 amp guarantees more than enough headroom to reproduce the impact and excitement of the most dramatic special effects and the lowest musical frequencies with detail and definition. To assure long term reliability specialized Velodyne circuitry limits audible clipping distortion and controls driver excursion.

## Auto-EQ Room Bass Correction

Subwoofer placement in a room can dramatically impact its performance. To assure optimum performance a subwoofer must be tuned and equalized for its room environment and placement. Place the included microphone in the preferred listening position and simply push the "EQ" button on the remote control. The internal signal generator plays a series of tones that are read and analyzed by the DSP which auto-adjusts the 7-band equalizer to provide the best bass performance regardless of woofer placement.



Specifications	SC-600 Amplifier
Amplifier: [Class D]	400 watts Dynamic 200 watts RMS Power
High Pass Crossover:	80 Hz (6 dB/octave)
Low Pass Crossover:	30 Hz-160 Hz, Defeatable, 24 dB/octave slope
Inputs:	Line and Speaker Level
Outputs:	Line Level - thru, Speaker Level - 80 Hz up, Subwoofer - to SC-600 IW (or) SC-600 IF/IC
Phase:	0°, 90°, 180°, 270°
Dimensions (H/W/D): [includes feet]	4 1/4" x 17.0" x 13.0" [11 x 43 x 33 cm]  ** Allow two extra inches in depth for wire connectors and detachable power cable.  ** Includes feet. Feet can be removed for rack mount use. Unit is approximately "two rack units" high.
Warranty: [parts/labor]	Electronics: Three years
Shipping Weight: [approx.]	25 lbs. (22.7 Kg)



Copyright ©2008 Velodyne Acoustics, Inc. Specifications are subject to change without notice.  
Other trademarks or registered trademarks are property of their respective owners. March 2008



[www.velodyne.com](http://www.velodyne.com)

Velodyne Acoustics, Inc.  
345 Digital Drive, Morgan Hill, CA 95037  
408.465.2800

Velodyne