

# SPL-800i

Fitting a great sound system into your lifestyle and room decor is a challenge. You'd like a small subwoofer. Unfortunately, smaller subwoofers generally fall short of good performance, making your system sound dull and unexciting. Velodyne's SPL-800i is a high-technology subwoofer that offers high impact, low distortion performance in a tiny package at a very affordable price. The attractive, downsized cabinet can be easily hidden or integrated into any room decor.

## Powerful ERS Amplifier

The SPL-800i starts with Velodyne's patented ERS (Energy Recovery System) Class D digital amplifier. It delivers a tremendous 2000 watts Dynamic power and 1000 watts RMS power. Using sonically superior MOSFET output devices, this high technology amplifier generates tremendous amounts of clean power in a small, efficient package.



## Massive Magnet Structure

The rugged, high technology driver used in the SPL-800i provides extraordinary power handling with excellent linearity. Using Velodyne's exclusive inside/outside-wound voice coil design, the 8" driver has a massive 12.7 lb. magnet. Its die-cast aluminum frame provides tremendous strength and rigidity. The result is both improved output and lower distortion.

## Kevlar-Reinforced Driver Cone

The woofer cone is a high-tech, multi-layer, Kevlar reinforced, resin-laminate fiber blend that is tonally neutral, and extremely light and stiff. It is suspended by

Velodyne's custom designed variable thickness surround made of very pliable EPDM rubber. This results in precise linearity, extraordinary excursion and exceptional durability. This high-technology driver provides tremendous power handling, great efficiency and incredible accuracy.

## Dynamic Driver Control System

The Dynamic Driver Control System (DDCS) reduces the distortion of the sonic output to less than a sixth of that found in competitive subwoofers. DDCS assures the tight, accurate, musical bass that Velodyne is world famous for.



## Hookup Flexibility

An extensive feature pack guarantees excellent integration with any system. It includes Velodyne's Subwoofer Direct feature that allows the internal crossover to be bypassed to assure ideal bass performance when connected to your system's LFE output, an adjustable low pass crossover, a high pass crossover, line level inputs and outputs, speaker level inputs, automatic on/off and a phase switch. The SPL-800i also has unique anti-clipping, dynamic compression and over-excursion circuits. These features provide excellent reliability, protect from overload and allow the amplifiers to use their maximum power without annoying clipping distortion.

## SPECIFICATIONS

Driver:	8" (6.5" piston) forward firing Kevlar reinforced resin cone 2-1/2" dual-layer voice coil Die-cast aluminum basket
Amplifier:	2000 watts Dynamic power, 1000 watts RMS power
High Pass Crossover:	80Hz (6 dB/octave)
Low Pass Crossover:	40Hz-120Hz (12 dB octave initial, 48 dB octave ultimate) or bypass with Subwoofer Direct
Frequency Response:	28-120Hz
Magnet Structure:	204 oz. (12.7 lbs)
Inputs:	Gold plated RCA line and speaker level inputs
Outputs:	Line-level, high pass crossover, 80Hz, 6 dB/octave
Phase Control:	0 or 180 degrees
Protection:	Dynamic compression
Dimensions (H/W/D): (inc. feet, grill and knobs)	10.063" X 10.375" X 12.75" (27 X 26 X 33 cm)
Warranty (parts/labor):	Two years
Weight:	35 lbs. (16Kg.)

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