

SC 8008



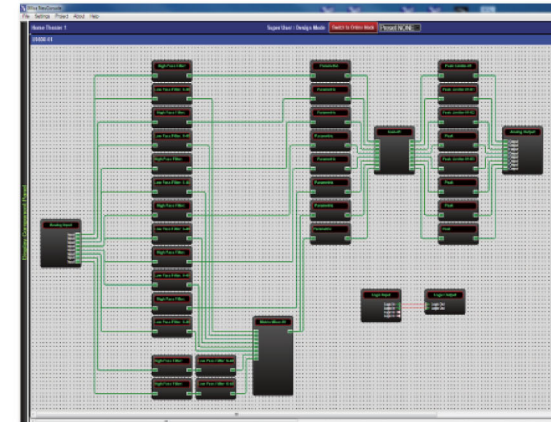
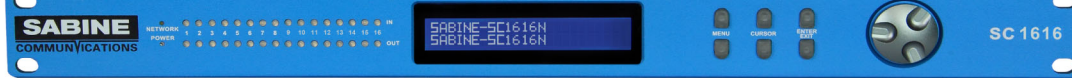
SC 8016



SC 1608



SC 1616



SCcom software DSP design

## Introduction:

At SABINE we have a passion for digital audio. That's what we do. While DSP flexibility is important to us, the focus of our passion is superb audio performance first and foremost. If you care about audio performance and DSP flexibility - in that order - you share our passion. Our SC Series of digital audio processors is one of those products. Designed in U.S.A and built on the audio performance reputation of our 40 Bit Floating Point DSP Engine, SC brings a new level of audio performance, ease of use, and value to the world of open architecture - drag & drop audio processing for fixed audio installations.

## Description:

SABINE SC-Series processors are available in four I/O configurations - 8x8, 8x16, 16x8 and 16x16 with Mic/Line input selection per input, 48V phantom power, and quality mic pre-amps. SC-Series model more versions provide Network I/O (16x16 Dante)- SC8008N, SC8016N, SC1608N, SC1616N.

From a large palette of audio DSP modules, create your personal DSP system design to accommodate each unique project requirement. The SCcom software GUI is easy to use and auto features reduce DSP design time and network connection management (in DHCP mode).

Control SC via Ethernet using the included SCcom software GUI (or download at [www.sabine.com](http://www.sabine.com)), from any PC using our SABINE PC control designer, with the logic input/relay output ports, using optional SC Series - T7W Touch and VS4 wall control, or any third party controller.

## Applications:

Any fixed audio installation where Open Architecture-Drag & Drop DSP is preferred, where audio performance, ease of use, simplified connectivity, I/O flexibility, and value are a priority and where Network I/O capability are required.

## SABINE SC-Series

- Open Architecture-Drag & Drop DSP
- 48kHz, 40 Bit Floating Point DSP Engine
- High Performance 24 Bit Converters
- Premium Grade Mic Pre-Amps  
8x8, 8x16, 16x8, 16x16 I/O Models
- Mic/Line Input Selection per Input 48V Phantom Power
- SC-Series Provide Network I/O Flexibility
- Ethernet Connectivity and Control
- Easy to use SCcom Software GUI
- Auto Design and Connection Features
- Optional SC Series Wall Controls
- In Development - additional DSP modules, a browser based control app, break-out boxes, AVB card



**Analog I/O**

Models (I/O) - SC8008 (8x8), SC8016 (8x16), SC1608 (16x8), SC1616 (16x16)



**Analog I/O and 16x16 Dante Network I/O**

Models (I/O) - SC8008-N (8x8), SC8016-N (8x16), SC1608-N (16x8), SC1616-N (16x16)

# SC-series SC8008, SC8016, SC1608, SC1616

## Specifications

### Inputs and Outputs

Input Impedance: >10k Ohms  
 Output Impedance: 50 Ohms  
 Maximum Level: +20dBu  
 (Mic Gain: 0 / +40dBsteps)  
 Type: Electronically balanced  
 (48V Mic Phantom Power)

### Audio Performance

Frequency Response: +/- 0.1dB (20 to 20kHz)  
 Dynamic Range: 110dB typ (unweighted)  
 CMMR: > 100dB (50 to 10kHz)  
 Crosstalk: < -100dB  
 Distortion: 0.002% (1kHz @+4dBu)

### DigitalAudio Performance

Processor: 40-bit Floating Point  
 Sampling Rate: 48kHz  
 Analog Converters: High Performance 24-bit

### Front Panel Controls

Display: 2 x 24 Character Backlit LCD  
 Signal LEDs: 1 per channel  
 Status LEDs: Power and Data  
 Buttons: Menu Controls  
 Dial Encoder: Embedded Thumb Wheel

### Connectors

Analog I/O: Phoenix Plug-in 3.5mm (included)  
 Logic In-Relay Out: Phoenix Plug-in 3.5mm  
 Ethernet & Network I/O: RJ45 (CAT5e)  
 Power: Standard IEC Socket

### General

Power: 90-240 VAC (50-60Hz)  
 Dimensions: 19" x 1.75" x 9" (483x44x229 mm)  
 Rack Mount: 1RU Vent Between Units  
 Weight: 11 lbs / 5 kg



VS4

Optional SC-Series Wall Controls

Note: Specifications subject to change without notice

Designed & Engineered in U.S.A

