



# SC48

The definitive, all-in-one live sound console



Amazing sound quality, performance, reliability, and price. The Avid® SC48 is the definitive, all-in-one live sound solution, combining all I/O, digital signal processing, and tactile control into one compact console, along with support for professional audio plug-ins and built-in Pro Tools LE® integration. It also introduces groundbreaking workflows that greatly increase your efficiency, allowing you to concentrate on what really matters most—the mix.

## Features

- Fully integrated stage and ancillary I/O, DSP, and tactile control offers ultimate portability
- Compact footprint fits small- to mid-size clubs, houses of worship, theaters, and corporate events
- First-rate sound quality provides amazing audio clarity in any room
- Professional audio plug-in support for creating studio-quality mixes live
- Pro Tools FireWire interface and software for audio recording and playback
- Includes VENUE software, the industry's easiest, most comprehensive control software
- 48 analog mic/line XLR inputs, 16 analog line outputs (expandable to 32)
- Single output expansion slot for maximizing output count or adding A-Net connectivity
- 16 Aux Sends, plus 8 mono matrixes (linkable as up to 4 stereo matrixes)
- 26 touch-sensitive, motorized faders: 16 input, 8 output master, 1 Flex Channel, and 1 Mains
- 16 assignable, push-switch rotary encoders with multi-segment LED rings enable immediate access to key parameters
- Additional I/O, including talkback, analog and digital 2-track, GPI, MIDI, and Word Clock
- Optional: Add remote I/O to SC48 with Stage 48 for more flexible distribution

With its all-in-one design, SC48 enables you to travel light and bring the unrivaled sound quality and creativity of Avid live sound to any event. Or easily replace an analog console by dropping SC48 right into an existing cabling system. And because all Avid live sound systems operate under easy-to-use VENUE software, simply learn it once and you can mix on any Avid live system and move show files from system to system—no matter the configuration.

## Amazing Sound Quality

SC48 delivers stunning sound quality and clarity thanks to its studio-grade mic preamps and built-in processing, including high-quality graphic EQ and dynamics. And with support for professional plug-ins built right into the console, you can easily re-create an artist's signature studio sound live—no other console at this price point provides you with the sheer number and breadth of sound processing choices available.

## Seamless Pro Tools Integration

SC48 features a built-in Pro Tools FireWire interface, making it easy to connect a computer (sold separately) running Pro Tools software (included) for live show recording. You can also perform Virtual Soundcheck—a timesaving process that lets you play tracks recorded from a previous performance in place of the live mic/line inputs and fine-tune the mix before a show without requiring the performers' presence.

## Powerful Workflow Innovations

SC48 offers innovative features to optimize your workflow. With the exclusive Channel Control, a single button press gives you immediate access to any channel strip function, including input parameters, EQ, dynamics, and Aux sends, through the console's eight color-coded rotary encoders. Use Flex Channel to assign and gain perpetual access to a key channel. Take advantage of VCA Spill, which provides unprecedented access to channels without banking. And with the 999-snapshot capability, you can quickly make complex changes with the press of a button.

## Room for Expansion

SC48 features a single output expansion slot, enabling you to easily install one additional output option card to meet your interface needs. Expand your total analog output count to 32 with an AO16 Analog Output Card. Add 8 digital AES and 8 analog outputs with an XO16 Output Card. Or supply A-Net connectivity for Aviom Pro16 Series devices with an AT16 A-Net Output Card.

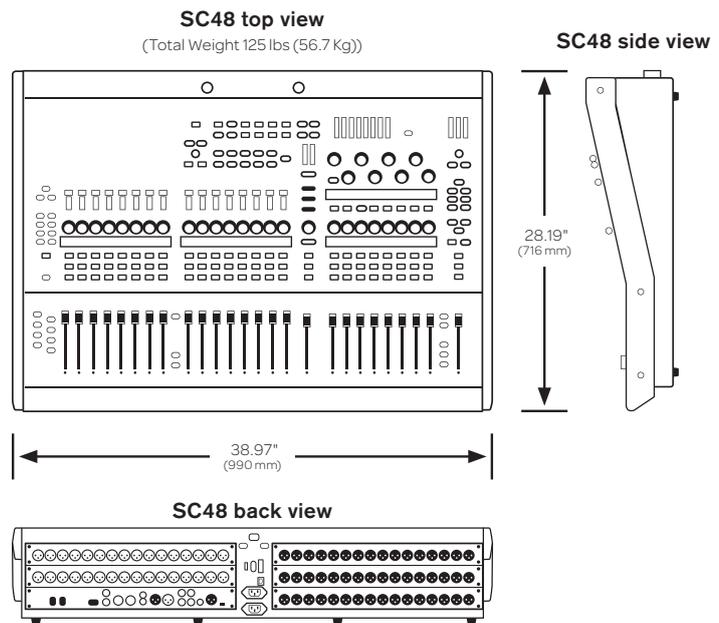
For more information visit [www.avid.com/sc48](http://www.avid.com/sc48)

# SC48—The Definitive, All-in-One Live Sound Console

## What's Included

- SC48 console
- VENUE software
- VENUEPack plug-in bundle and preauthorized iLok USB Smart Key
- Pro Tools software
- Mounting brackets for trackball and video monitor (trackball and monitor sold separately)
- All necessary cables, accessories, and documentation
- Protective dust cover

\* Video monitor, USB keyboard, USB trackball/mouse, and console lights sold separately.



## Specifications

### HARDWARE SPECIFICATIONS

- Power Requirements
  - 100–240 V, 50–60 Hz, 200 W
- USB Ports (5)
  - USB 2.0
- IEEE-1394 Port
  - FireWire (for Pro Tools LE only)
- GPI Port
  - DB9 female
- Footswitch Connectors (2)
  - 1/4-inch TRS
- MIDI In/Out
  - 5-pin DIN female
- Word Clock In/Out
  - BNC female
- VGA Port
  - DB-15 mini-female (1024 x 768 resolution, mirrored display mode)
- DVI Port
  - DVI female (1024 x 768 resolution, mirrored display mode)
- ECx Ethernet Control
  - RJ-45 (for ECx remote control)
- Console Light Connectors (2)
  - XLR3-F

### GENERAL AUDIO SPECIFICATIONS

- Internal Sample Frequency
  - 48 kHz
- External Sample Frequency
  - 48 kHz +/-10 ppm (Word Clock input)
- Processing Delay
  - Less than 2.3 ms (48 channels, stage input through L-R bus to stage output)
- Internal Processing
  - Up to 48-bit, fixed point (288 dB internal dynamic range)
- Frequency Response
  - +/-0.2 dB (22 Hz – 20 kHz BW, relative to 1 kHz)
- Dynamic Range
  - 108 dB typ
- Crosstalk
  - -100 dB typ (adjacent stage inputs to L-R bus, @ 1kHz)
- Residual Output Noise
  - -90 dBu typ (20 Hz – 20 kHz BW)

### STAGE I/O

(at maximum configuration)

- A116 Analog Input Cards (3)**
  - Connector (x16)
    - XLR3-F, balanced
  - Phantom Power
    - +48V (individually switchable per channel via software), 10 mA max

- Maximum Input Level
  - +32 dBu\* with pad
- Pad
  - 20 dB
- Gain
  - +10 dB to +60 dB
- Input Impedance
  - pad off: 5.5k Ohm, leg to ground
  - pad on: 3.8k Ohm, leg to ground
- EIN
  - -126 dBu typ (maximum gain, 150 Ohm source, 20 Hz–20 kHz BW, unweighted) \* 0 dBu = 0.775V rms

### A016 Analog Output Card (1)

- Connector (x16)
  - XLR3-M, balanced
- Maximum Output Level
  - +24 dBu
- Output Impedance
  - 50 Ohm, leg to ground

### FOH I/O

- Talkback Mic Input
  - XLR3-F
- 2-Track Analog Inputs
  - 1/4-inch TRS
- 2-Track Analog Outputs
  - -1/4-inch TRS
- 2-Track Digital AES Inputs
  - -XLR3-F
- 2-Track Digital AES Outputs
  - -XLR3-M
- Headphone Output (1)
  - -1/4-inch TRS, unbalanced

Corporate Headquarters  
800 949 AVID (2843)

Asian Headquarters  
+ 65 6476 7666

European Headquarters  
+ 44 1753 655999

For more information visit [www.avid.com/sc48](http://www.avid.com/sc48)