

AVID VENUE | S6L

The next stage in live sound



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VENUE™ established Avid® as a leader in the digital live sound console market when D-Show® was first introduced in 2005 with a host of revolutionary technologies and features, including onboard plugins and Virtual Soundcheck. The system quickly found a captive audience, with engineers raving about its sound quality, Pro Tools® integration, ease of use, and reliability.

As subsequent systems were introduced and word of mouth spread, VENUE quickly became one of the best selling, most trusted, and most requested live mixing systems for concert touring, festivals, and installations around the world.

And now the legacy continues with the newly expanded Avid VENUE | S6L—a fully modular system that gives you the power to choose and scale your control surface, processing, I/O, and network options to meet the demands of any gig. It's the industry's only unified live sound platform to offer 100% hardware, software, and show file compatibility and interoperability across the entire line. It also offers unmatched onboard AAX and Waves plugin control, 128 tracks of integrated Pro Tools recording and playback, and a relentless turbo-charged engine design that outperforms all other live mixing systems hands down.

Discover the next stage in
live sound at [avid.com/S6L](https://www.avid.com/S6L).

Take deep, intelligent control of your mix

With a choice of five control surfaces that range from 16–48 faders, S6L puts extensive control at your fingertips to deliver fast access to any part of your mix. Get unmatched visual feedback and information through high-resolution OLED displays and meters that are visible in even the brightest outdoor conditions. And with interactive touchscreens, you can view comprehensive metering, select and adjust parameters, and do more right from the surface, with instant access to every input, aux, group, VCA, and more through the Universe screen.

Experience the most powerful processing engine in the industry

From Broadway to broadcast, live productions are more complex than ever, requiring hundreds of channels. With the groundbreaking VENUE | E6L engine, available in three configurations, you have two powerhouse technologies working in concert together. The real-time processing engine handles all routing, channel, and mixing functions for maximum stability and power, while the HDX-powered DSP engine manages all AAX plugin processing, enabling you to present bigger, better sounding mixes with ease.

Achieve pristine sound through high-performance I/O

VENUE | S6L offers five exceptional I/O racks that all feature a high-performance preamp design that delivers pristine audio fidelity, so you get the best possible sound quality throughout the signal path, with incredible clarity, warmth, and presence. And you can scale your system with as little or as much I/O as you need by adding multiple stage and local I/O boxes to your setup.

Get more creative with expanded plugin processing

Re-create the exact same sounds of studio recordings live. Thanks to dedicated HDX-powered DSPs handling all plugin processing, you can use an unprecedented number of plugins to fine-tune and finesse every channel to get the exact sounds you want. Not only does S6L run onboard 64-bit AAX DSP plugins natively, you can also run integrated Waves plugins through the Waves SoundGrid Option Card.

Configure your ideal system

With its modular, scalable system architecture, you can freely mix and match your choice of control surface, engine, and I/O to support practically any live sound application. Choose from five S6L control surface configurations to meet your mixing and space needs. Select the ideal E6L engine to support your channel count requirements. And go from 16 inputs up to hundreds of I/O channels by connecting one or more stage racks to your system.

Acclaimed
heritage,
engineered
for the future

Avid VENUE | S6L

Record and support the biggest shows with Pro Tools

S6L offers the most powerful and integrated live recording capabilities in the industry, providing up to an unrivaled 128 channels of redundant Pro Tools recording and playback over AVB to enhance stage productions and archive live shows. It also supports 2-track recording and playback from a USB flash drive. With Virtual Soundcheck, you can use live recordings to fine-tune mixes, program snapshots, experiment with plugins, and more, saving valuable sound check and set-up time. And with VENUE Link, you can set up a recording session in seconds and control your live mixing and recording rigs as one.

Get complete connectivity freedom

VENUE | S6L uses open and reliable Ethernet AVB across all of its components, so all you need are lightweight, inexpensive Cat5e cables for runs up to 100 meters, or fiber-optic cables for longer runs up to 500 meters, putting an end to expensive, bulky analog snakes. The system also supports Dante, MADI, Milan, and other technologies, enabling you to easily connect S6L into any new installation or existing environment.

Share I/O across multiple systems

Forget fussing with bulky analog splits; share the same I/O across up to three networked systems—without any loss of audio quality. Avid True Gain™ technology automatically manages gain compensation to ensure the proper signal levels in each engineer's mix. Save thousands of dollars by reducing I/O and cable requirements, set-up time, and transportation costs.

Mix with the familiarity of VENUE software

Sporting a modern, high visibility look, VENUE | S6L is powered by the same easy-to-use VENUE software as our other live sound systems, so you'll feel right at home and can start mixing with the same high efficiency (see "VENUE Software," page 9). Plus, you can use any of your existing VENUE show files with S6L, significantly minimizing set-up time.

Have peace of mind

As the console of choice across the world's biggest tours, festivals, and installations, VENUE systems are designed to deliver maximum service and reliability. VENUE | S6L is no exception, robustly built to withstand the rigors of the road, with features such as redundant power supplies in every component, redundant network configurations, and world-class support to ensure that the show always goes on.

BUILD YOUR PERFECT SYSTEM

Mix and match your choice of control surface, engine, I/O, and options

VENUE | S6L CONTROL SURFACES

Choose from five S6L control surface configurations—each consisting of an array of the following modules:

- **MASTER TOUCHSCREEN**—Central multi-touch screen provides a Universe page and various Channel and Meters views
- **MASTER LIVE MODULE**—Central module provides fader banking, assignable encoder functions, soft keys with displays, monitoring, snapshots, user-defined and snapshot-recallable fader layouts, touch and turn encoder, flex faders, and transport control
- **CHANNEL TOUCH MODULE**—Secondary touchscreen provides Meters view, various Channel views, and Parameter view
- **CHANNEL FADER MODULE**—Provides 8 faders with dual channel meters, dynamics meters, and high-resolution OLED channel name displays, plus Mute, Solo, Safe, and other switches
- **CHANNEL KNOB MODULE**—32 touch-sensitive, tri-color encoders for parameter control, each with a high-resolution OLED display, Select switch, and In switch



S6L-48D, S6L-16C, and S6L-24C control surfaces

CONTROL SURFACE	VENUE S6L-48D	VENUE S6L-32D	VENUE S6L-24D	VENUE S6L-24C	VENUE S6L-16C
12-inch daylight-visible touchscreens	1 Master Touchscreen, 5 Channel Touch Modules	1 Master Touchscreen, 3 Channel Touch Modules	1 Master Touchscreen, 2 Channel Touch Modules	1 Master Touchscreen	None (requires user-provided external touchscreen)
Faders	48 + 2	32 + 2	24 + 2	24 + 2	16 + 2
Knob Modules with high-resolution OLEDs and tri-color function indicators	160 assignable knobs across 5 Channel Knob Modules	96 assignable knobs across 3 Channel Knob Modules	64 assignable knobs across 2 Channel Knob Modules	32 assignable knobs across 1 Channel Knob Module	32 assignable knobs across 1 Channel Knob Module
Master Live Module	Graphic TFTs with soft buttons; Touch and Turn assignable encoder; 2 assignable faders; monitoring, layout and snapshot controls; transport controls and function buttons				
Metering	30-segment meters per channel, with pre- and post-fade metering options; Nominal indicator, Expander/Gate status and Compressor/Limiter gain reduction meters				
Analog inputs	8 XLR mic/line inputs with 48V and signal present LEDs				1 XLR mic/line input*
Analog outputs	8 XLR outputs with mute and signal present LEDs				2 XLR outputs*
Digital inputs	4 pairs of XLR stereo AES/EBU (8 channels total)				None*
Digital outputs	4 pairs of XLR stereo AES/EBU (8 channels total)				None*
Headphone outputs	2 independent ¼" TRS stereo headphone jacks				1" TRS stereo headphone jack
Ancillary I/O	DVI-D video out, 5 USB 2.0 (2 rear, 2 front, 1 internal), ECx Ethernet port for wired/wireless remote control, GPIO (8 in/8 out), 2 footswitch, Linear Time Code input, MIDI I/O				
Ethernet AVB ports	2 etherCON (copper), 2 selectable as etherCON (copper) or SFP (fiber); redundant ring topology				
Power supply	Dual redundant, internal hot-swappable PSUs			Dual redundant, internal**	
Height (front, rear)	3.6, 15.3 inches (91,388 mm)			3.6, 8 inches (91, 205 mm)	
Width	76.1 inches (1,934 mm)	51.3 inches (1,304 mm)	38.9 inches (989 mm)	38.9 inches (989 mm)	26.4 inches (671 mm)
Depth	31 inches (787 mm)				
Weight	212 lbs (96 kg)	155 lbs (70 kg)	119 lbs (54 kg)	84 lbs (38 kg)	71.6 lbs (32.5 kg)

* Add the Local 16 rack to support local I/O.

** S6L-24C and 16C power supplies are not compatible/swappable with S6L-48D, 32D, and 24D control surface power supplies, or with E6L-192 and 144 engine power supplies.

VENUE | E6L ENGINE AND OPTIONS

Choose from three engine configurations, with the following available options*

- > **AVB-192 ETHERNET AVB NETWORK CARD**—Provides two independent Gigabit Ethernet ports, copper and Fiber (via SFP)
- > **HDX-192 DSP EXPANSION CARD**—Provides additional processing power for running AAX DSP plugins; all engines come standard with one card, expandable to four
- > **MADI-192 MADI OPTION CARD**—Provides bidirectional MADI over BNC connectors
- > **MLN-192 MILAN OPTION CARD**—Provides 128 channels of AVB-Milan networked audio
- > **WSG-HD WAVES SOUNDGRID OPTION CARD**—Enables full integration of Waves SoundGrid plugins into the S6L workflow



VENUE | E6L

ENGINE	VENUE E6L-192	VENUE E6L-144	VENUE E6L-112
Sample rates	96 kHz		
Input channels	192	144	112
Input processing	HEAT, HPF, LPF, 4-band PEQ, Expander/Gate, Compressor/Limiter, Delay, 4 plugin inserts, hardware insert		
Mix busses	96 + LCR	64 + LCR	48 + LCR
Output processing	7-band PEQ, Compressor/Limiter, Delay, 4 plugin inserts, hardware insert		
Matrix	24 x 24	16 x 16	16 x 16
VCAs	48	48	48
Stereo solo busses	2, with independent control		
Graphic EQs (31-band)	32		
Digital signal processing	Supports up to four HDX-192 DSP Expansion Cards for plugin processing; includes one card	Supports up to four HDX-192 DSP Expansion Cards for plugin processing; includes one card	Supports up to two HDX-192 DSP Expansion Cards for plugin processing; includes one card
Plugin support	64-bit AAX DSP; also supports Waves SoundGrid systems through the WSG-HD Option Card for full integration with S6L, or over MADI		
Plugin slots	400	400	400
Pro Tools integration	Record/play back up to 128 audio tracks via Ethernet AVB		
Expansion Option Card slots	4 max	4 max	2 max
Ethernet AVB ports	Includes two AVB-192 Ethernet AVB Network Cards with two ports per card, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration		
I/O sharing	Supports up to three S6L systems—up to 192 inputs total, depending on the E6L engine in use (requires two AVB-192 Ethernet AVB Network Cards to share I/O)		
Word Clock I/O	Clock I/O BNC, 75 Ohm coaxial		
USB ports	5 USB 2.0 ports (2 front, 2 back, 1 internal)		
Power supply	N+1 redundant, internal hot-swappable PSUs		Dual redundant, internal**
Dimensions (H x W x D)	8.6 x 16.9 x 19 inches (218 x 430 x 483 mm)		
Rack spaces	5U		
Weight	74 lbs (33 kg)		

* Please note that option cards are available as separate purchases and not included with the core system.

** The E6L-112 power supply is not compatible/swappable with S6L-48D, 32D, and 24D control surface power supplies, or with E6L-192 and 144 engine power supplies.

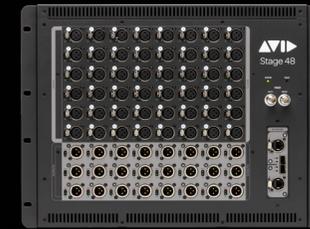
I/O RACK OPTIONS

Connect one or more of five stage and local I/O racks to meet your I/O needs. In addition, Stage 64 and Stage 32 can be customized with a choice of the following options*:

- **SRI-192 ANALOG INPUT CARD**—Provides 8 analog mic/line inputs via XLR, with a new high-performance mic preamp design
- **SRO-192 ANALOG OUTPUT CARD**—Provides 8 analog line outputs via XLR
- **DSI-192 DIGITAL INPUT CARD**—Provides 8 channels of digital AES/EBU or ADAT input
- **DSO-192 DIGITAL OUTPUT CARD**—Provides 8 channels of digital AES/EBU and ADAT output
- **DNT-192 DANTE OPTION CARD**—Provides 16 channels of Dante networked audio, configurable as 16x0, 8x8, or 0x16; offers redundant network connections



Stage 64



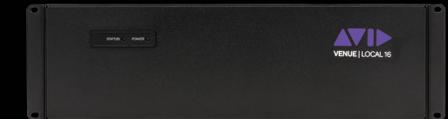
Stage 48



Stage 32



Stage 16



Local 16

I/O RACK	STAGE 64	STAGE 48	STAGE 32	STAGE 16	LOCAL 16
Maximum I/O	64 input channels, 32 output channels @ 96 kHz with one Stage 64 rack; up to 192 inputs/96 outputs supported (depending on the E6L engine in use) with three Stage 64 racks (64 ins/32 outs each)	48 analog input channels and 24 analog output channels @ 96 kHz with one Stage 48 rack	Total of 32 input/output channels @ 96 kHz with one Stage 32 rack	16 XLR mic inputs/preamps, 8 XLR line outputs, 4 channels of AES3 output	8 XLR mic/line inputs, 8 XLR outputs, 4 pairs of XLR stereo AES/EBU inputs (8 channels total), 4 pairs of XLR stereo AES/EBU outputs (8 channels total)
I/O card slots	12	n/a	4	n/a	n/a
Sample rates	96 kHz	96 kHz	96 kHz	96 kHz**	96 kHz
Ethernet AVB ports	2, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration	2, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration	2, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration	2 Gigabit Ethernet AVB ports, etherCON (copper), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration	2 Gigabit Ethernet AVB ports, selectable as etherCON (copper) or SFP (fiber)
Maximum cable length	Copper: 100 meters (328 feet); Fiber: 500 meters (1,640 feet)	Copper: 100 meters (328 feet); Fiber: 500 meters (1,640 feet)	Copper: 100 meters (328 feet); Fiber: 500 meters (1,640 feet)	100 meters (328 feet)	100 meters (328 feet)
MADI	Dual MADI output offers direct split of all 64 inputs	Dual MADI output offers direct split of all 48 inputs	Single MADI output offers direct split of all 32 inputs	n/a	n/a
Headphone confidence monitor	¼" TRS stereo headphone jack with volume control; display for channel selection	n/a	n/a	n/a	n/a
Word Clock I/O	BNC, 75 Ohm coaxial	n/a	n/a	n/a	n/a
Power supply	Dual redundant internal PSUs	Dual redundant internal PSUs	Dual redundant internal PSUs	Single internal PSU	Dual redundant internal PSUs
Dimensions (H x W x D)	17.5 x 17 x 12.2 inches (445 x 432 x 310 mm)	14 x 16.9 x 22.4 inches (355 x 430 x 568 mm)	8.7 x 18.5 x 18.9 inches (220 x 470 x 480 mm)	6.9 x 19 x 8.1 inches with rack ears (175 x 483 x 206 mm)	5.2 x 17.4 x 11 inches (132 x 442 x 278 mm)
Rack spaces	10U	8U	5U	4U	3U
Weight	69 lbs (31 kg)	80.2 lbs (36.4 kg)	49 lbs (22 kg)	15.8 lbs (7.1 kg)	13.2 lbs (6 kg)

* Please note that option cards are available as separate purchases and not included with the core system.

** 96 kHz when used with S6L; 48 kHz when used with S3L-X

VENUE SOFTWARE

VENUE software is the common platform across the entire VENUE line, so you only need to learn the software once to mix on any VENUE system—with complete show file portability.

Mix intuitively and efficiently

VENUE software serves as mission control of your entire system, giving you quick access to features and controls by interacting with the various touchscreens, manipulating controls on the console, and using a trackball, mouse, or your finger to interact with the software on an external display or touchscreen. The software features a simple tabbed interface and streamlined screen pages that make it easy to access and control the system's inputs, outputs, files, snapshots, digital patchbay, plugins, and user options.

Present the best sound mixes possible

From providing fast access to all of your AAX and Waves plugins, to offering snapshot automation to store and recall mix settings on the fly, VENUE software gives you the speed to dial up great-sounding mixes quickly. You can even program Events to perform complex actions that can be triggered with a simple button press, footswitch stomp, fader movement, or snapshot recall.

Manage the show and take it to go

Get easy access to console settings, input and bus configurations, signal routing, user preferences, and other parameters to customize your S6L setup for the gig at hand. You can also export and email detailed system info to a systems integrator or sound company for an upcoming installation or event. Plus, show files are portable, so you can save them to a USB flash drive for transfer to another VENUE system.



S6L WORKFLOWS



VENUE | S6L-48D



VENUE | S6L-32D

CONCERT SOUND

From small club tours and regional shows, to large concert arenas, festivals, and broadcast events, VENUE | S6L provides the sheer power, unsurpassed sound quality, and proven reliability you need, whether you're mixing front of house, monitors, or in the remote truck.

- › **FRONT OF HOUSE**—With its super-high processing channel counts, S6L is ideal for large music festivals, enabling you to load guest engineers' VENUE show files into the system to support multiple artists, so they can get set up and running almost instantly. It accommodates up to 192 mic inputs and supports I/O sharing to handle multiple stages. Trigger snapshots and events remotely using the free VENUE | Function Pad iOS app. Plus, you can record 128 Pro Tools tracks, making future revenue-generating opportunities easy.
- › **MONITORS**—With its massive mix bus capacity, S6L makes it easy to handle dozens of in-ear monitor mixes, wedge mixes, and backline mixes on the fly, with immediate one-touch access to any mix on the faders. Mix with confidence through two independent stereo solo busses, each assignable to any physical output for connection to a cue belt pack and/or listen wedge. Wirelessly control Aux master levels, send levels, and pans remotely—and even let performers control their own monitor mixes—using the free VENUE | On-Stage app for iPhone and iPad.
- › **BROADCAST**—S6L delivers the sound integrity, processing channels, routing capabilities, and Pro Tools workflows remote truck mix engineers need to broadcast and record live shows for the masses. Easily network with your fellow FOH and monitor engineers to share the same live inputs, without having to split signals.

Discover how S6L can help you succeed
—contact us at avid.com/S6L



VENUE | S6L-24D



VENUE | S6L-24C



VENUE | S6L-16C

HOUSES OF WORSHIP

For house of worship, S6L brings sonic clarity to services, ensuring that every word is heard. It offers intuitive workflows, snapshot automation, and fully recallable settings, enabling you to switch between sermons, choir performances, and drama presentations with speed and ease. The system also opens up new outreach opportunities, enabling you to record services with Pro Tools and make the audio available to the congregation through the church website or social media. And because it runs on easy-to-use VENUE software, staff and volunteers who already know VENUE will feel right at home mixing on S6L.

THEATER PERFORMANCES

From Broadway to the West End to Avenida Corrientes, S6L makes mixing even the largest, most complex stage productions easy. Stay on top of every performer, act, and scene with high-efficiency workflows that take the stress out of mixing live theater. Take control of over 300

processing channels and put an end to worrying about channel counts. Quickly recall and change mix settings on a per-song or per-scene basis with up to 999 snapshots—all of which can be triggered remotely using the free VENUE | Function Pad iOS app. And with customizable layouts, you can quickly access and control any performer on any channel, without having to bank through multiple layers to reach it.

CORPORATE EVENTS

Tradeshows, conferences, product rollouts, and other corporate events can be unpredictable, but S6L comes through to help you inform and entertain your audience. With its modular design, plus wide variety of input and output option cards available, S6L makes it easy to ramp up or scale back the I/O for the event at hand. Connect a laptop with Pro Tools or a mobile device to play background or walk-on music—you can even record your entire presentation or event in Pro Tools for archive or other future use.

ABOUT AVID

Avid is the world's leading provider of digital audio and video technology for media organizations and independent professionals. For over 30 years, Avid solutions have helped the industry's top professionals create and distribute the most listened to, most watched, and most loved media in the world, from award-winning movies, music recordings, and TV shows, to the most viewed live concerts, videos, and broadcasts.

Our innovative solutions continue to revolutionize the art of sound and creative storytelling, and have earned us hundreds of awards, including two Oscar[®] statuettes, a GRAMMY[®], and 16 Emmys[®].

Please note: The specifications listed in this brochure are provided for informational purposes only and subject to change without notice.

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