



# 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 over 10 years ago with a host of revolutionary technologies and features, including onboard plug-ins 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  
VENUE | S6L, a modular and truly  
versatile system designed to help you  
take on any type of live production with  
ease. Offering unprecedented processing  
capabilities—with support for over 300  
channels—S6L delivers unrelenting performance  
and reliability through its advanced engine design  
and backs it up with modern touchscreen workflows  
and scalability to meet any challenge. It also provides  
onboard plug-ins and Pro Tools integration, with higher  
track counts than ever before. Plus, with a comprehensive  
array of network and I/O offerings, you can easily configure  
the system to meet any challenge.

For questions and additional info, get in touch with us at  
[www.avid.com/S6L](http://www.avid.com/S6L).





## Take deep, intelligent control of your mix

The VENUE | S6L control surface is designed for modern live sound workflows, putting 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, which outperforms the competition hands down, 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 plug-in processing, enabling you to create bigger, better sounding mixes with ease.

## Achieve pristine sound through high-performance I/O

The VENUE | Stage 64 rack features 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 boxes to your setup.

## Get more creative with expanded plug-in processing

Re-create the exact same sounds of studio recordings live. Thanks to dedicated HDX-powered DSPs handling all plug-in processing, you can use an unprecedented number of plug-ins to fine-tune and finesse every channel to get the exact sounds you want. S6L directly supports 64-bit AAX DSP plug-ins and comes equipped with a full complement of some of the most coveted plug-ins in the industry, giving you far more creative choices than other live mixing systems.

## 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 three S6L control surface configurations to meet your needs. Select the ideal E6L engine to support your channel count requirements. And go from one Stage 64 rack up to hundreds of I/O channels by connecting additional stage racks.

Acclaimed  
heritage,  
engineered for  
the future

**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 an unsurpassed number of Pro Tools recording and playback channels to enhance stage productions and archive live shows. With Virtual Soundcheck, you can use live recordings to fine-tune mixes, program snapshots, experiment with plug-ins, 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, Thunderbolt, and other technologies\*, enabling you to easily connect S6L into any new installation or existing environment.

## Share I/O across multiple systems—coming soon

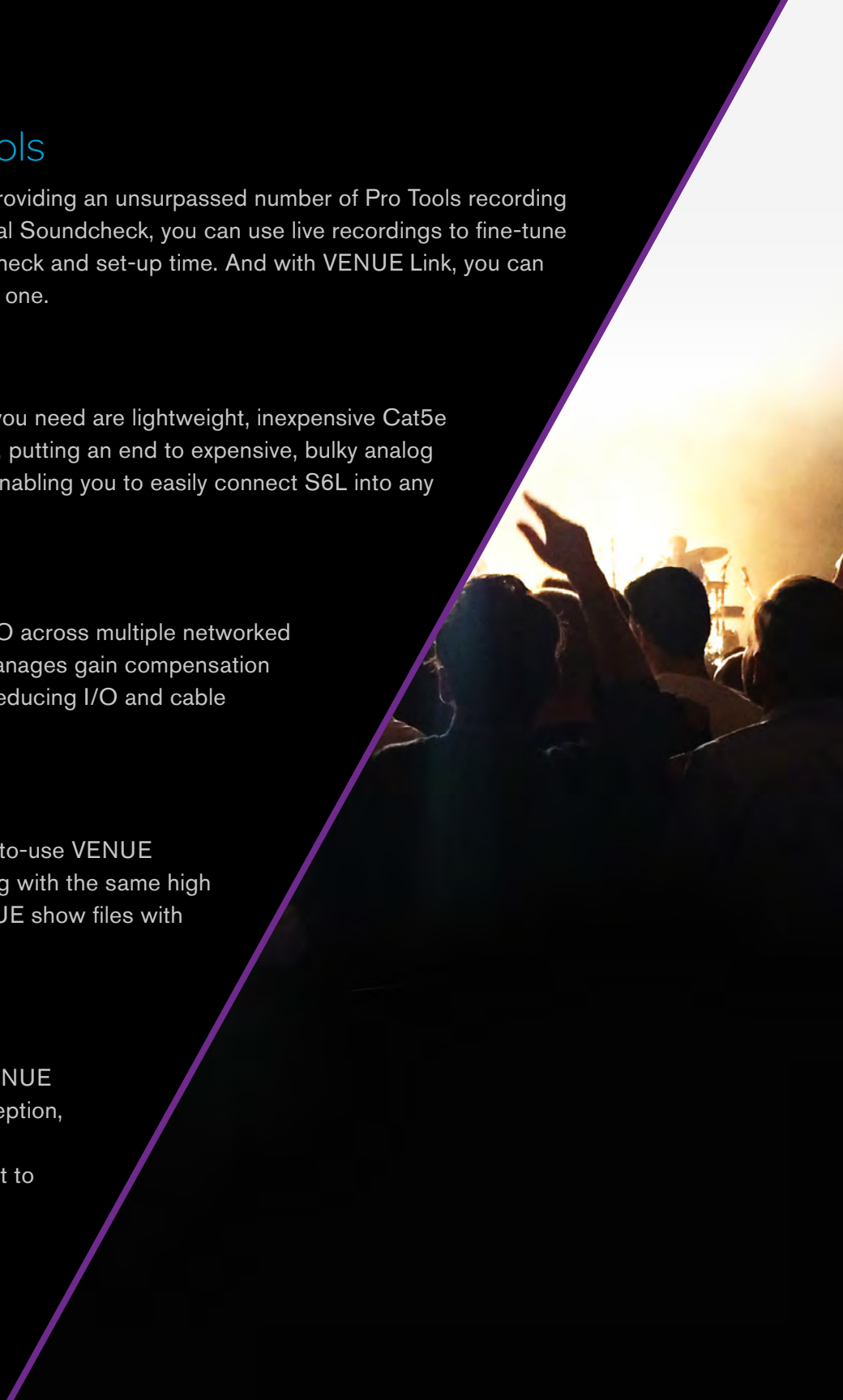
Forget fussing with bulky analog splits; coming soon, you'll be able to share the same I/O across multiple networked systems—without any loss of audio quality. Avid True Gain™ technology automatically manages gain compensation to ensure the proper signal levels in each engineer's mix. Save thousands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

## Mix with the familiarity of VENUE software

Sporting a new 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 8). 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.





# Create your ideal system

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

## VENUE | S6L control surface

Choose from three console configurations—S6L-24, S6L-24D, and S6L-32D (see the specifications table for details)—each consisting of an array of the following modules:

- **Master touchscreen**—Central multi-touch screen provides Universe page and various Channel 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; standard on S6L-24D and S6L-32D surfaces; option for S6L-24
- **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

## VENUE | E6L engine and options

Choose from two engine configurations—E6L-144 and E6L-192 (see the specifications table for details), 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 plug-ins; all engines come standard with one card, expandable to four
- **MADI-192 MADI Option Card**—Provides bidirectional MADI over BNC connectors
- **TBT-192 Thunderbolt Option Card**—Provides high-channel recording and playback to and from a compatible Pro Tools system



VENUE | S6L-32D

Control surface	VENUE   S6L-32D	VENUE   S6L-24D	VENUE   S6L-24
Daylight-visible touchscreen	12.1" touchscreen x 4	12.1" touchscreen x 3	12.1" touchscreen x 1
Faders	32 + 2	24 + 2	24 + 2
Knob Modules	3 x 32, each with high-resolution OLEDs and tri-color function indicator	2 x 32, each with high-resolution OLEDs and tri-color function indicator	2 x 32, each with high-resolution OLEDs and tri-color function indicator
Master Live Module	Graphic TFTs with soft buttons; 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		
Analog outputs	8 XLR outputs with mute and signal present LEDs		
Digital inputs	4 pairs of XLR stereo AES/EBU (8 channels total)		
Digital outputs	4 pairs of XLR stereo AES/EBU (8 channels total)		
Headphone outputs	2 independent 1/4" TRS stereo headphone jacks		
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		
Height (front, rear)	3.6 x 15.3 inches (91 x 388 mm)		
Width	51.4 inches (1,305 mm)	38.9 inches (989 mm)	38.9 inches (989 mm)
Depth	31 inches (787 mm)		
Weight	155 lbs (70 kg)	119 lbs (54 kg)	119 lbs (54 kg)

Engine	VENUE   E6L-192	VENUE   E6L-144
Sample rates	96 kHz (48 kHz coming soon)	
Input channels	192	144
Input processing	HPF, LPF, 4-band PEQ, Expander/Gate, Compressor/Limiter, Delay, 4 plug-in inserts, hardware insert	
Mix busses	96 + LCR	64 + LCR
Output processing	7-band PEQ, Compressor/Limiter, Delay, 4 plug-in inserts, hardware insert	
Matrix	24 x 24	16 x 16
VCAs	32	24
Stereo solo busses	2, with independent control	
Graphic EQs (31-band)	32	
Digital signal processing	Supports up to two HDX-192 DSP Expansion Card for plug-in processing (support for up to four cards coming soon)	Supports up to two HDX-192 DSP Expansion Cards for plug-in processing
Plug-in support	64-bit AAX DSP	
Plug-in slots	200	125
Pro Tools integration	Record/play back up to 64 audio tracks via Ethernet AVB; higher track counts with Thunderbolt Option Card*	
Ethernet AVB ports	Includes one AVB-192 Ethernet AVB Network Card with two ports, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology (support for up to three AVB cards coming soon)	Includes one AVB-192 Ethernet AVB Network Card with two ports, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology (support for up to two AVB cards coming soon)
Word 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	
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)	



VENUE | E6L



Stage 64

## Stage 64 and I/O options

Connect one or more Stage 64 racks meet your I/O needs. Each Stage 64 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

I/O rack	Stage 64
Maximum I/O	64 input channels, 32 output channels @ 96 kHz (48 kHz coming soon)
I/O card slots	12
Sample rates	96 kHz (48 kHz coming soon)
Ethernet AVB ports	2, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology
Maximum cable length	Copper: 100 meters (328 feet); Fiber: 500 meters (1,640 feet)
MADI	Dual MADI output offers direct split of all 64 inputs
Headphone confidence monitor	¼" TRS stereo headphone jack with volume control; display for channel selection
Word Clock I/O	BNC, 75 Ohm coaxial
Power supply	Dual redundant internal PSUs
Dimensions (H x W x D)	17.5 x 17 x 12.2 inches (445 x 432 x 310 mm)
Rack spaces	10U
Weight	69 lbs (31 kg)

# VENUE | S6L

# VENUE Software

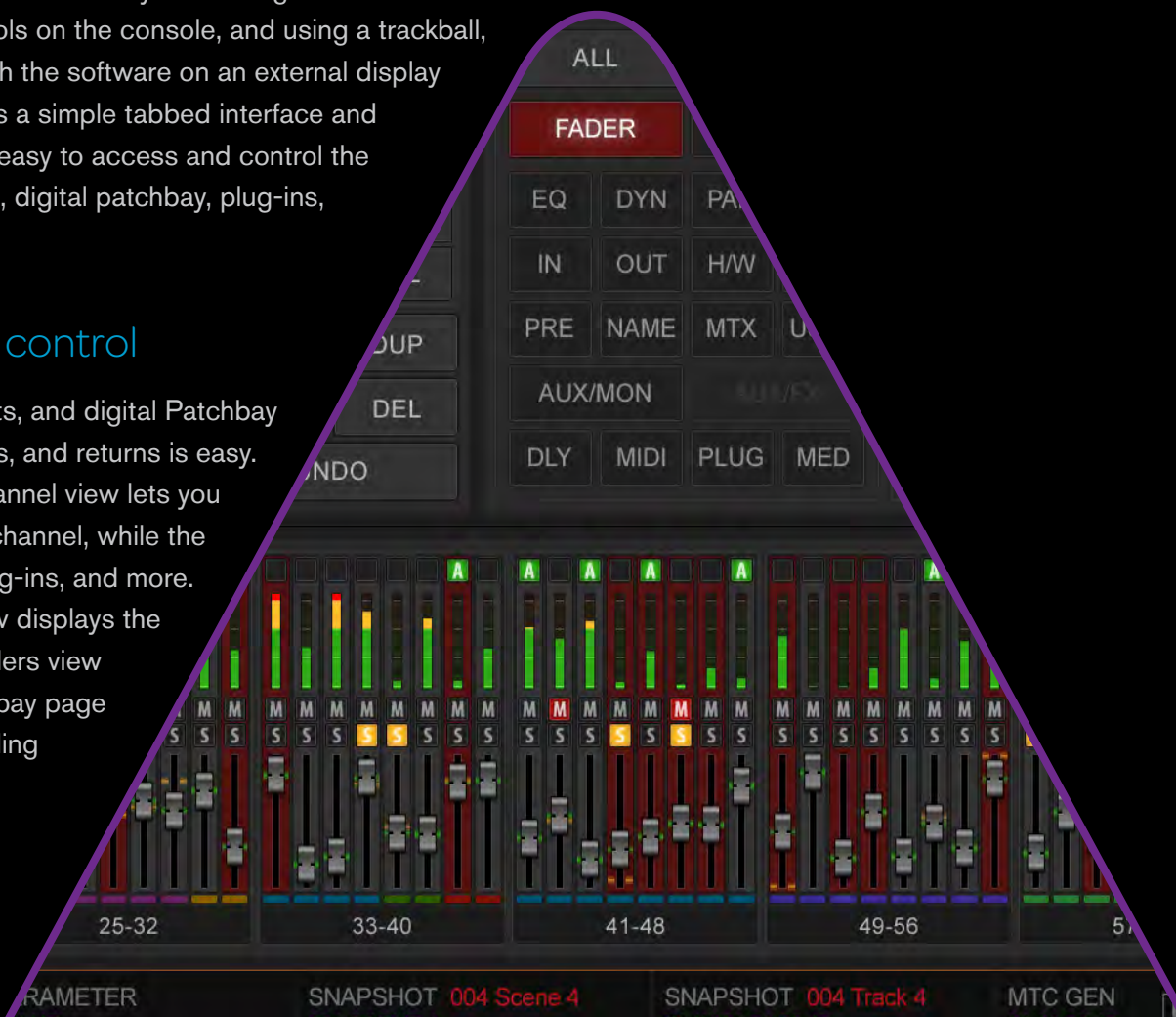
All VENUE systems run on easy-to-use VENUE software, though it gets a sleek new look with S6L to provide maximum visibility in all performance environments. Because it's the common platform across the line, you only need to learn the software once, making it easy to move from one VENUE system to another. Plus, any show file you create on any older VENUE system can be saved and transported on a USB flash drive, then loaded onto any other VENUE system for use, no matter the system's configuration.

## Mix intuitively with intelligent interfaces

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, plug-ins, and user options.

## Gain easy local and remote I/O control

With VENUE software's dedicated Inputs, Outputs, and digital Patchbay pages, managing and routing inputs, outputs, sends, and returns is easy. The Inputs page features two sections; the upper channel view lets you quickly scan the state of all parameters for a selected channel, while the lower faders view enables you to adjust faders, route plug-ins, and more. The Outputs page features similar views—the channel view displays the output bus parameters, including graphic EQs, while the faders view offers controls for making output assignments. And the Patchbay page gives you access to all inputs, outputs, and external gear, including Pro Tools, for easy routing.







## Present the best sound mixes possible

The Plug-ins page gives you fast access to all of the AAX DSP plug-ins installed in your system, displaying rows of available insert slots, which are distributed evenly across virtual racks. You can assign plug-ins for a given show, route them, dictate the patch order, and make changes to parameters directly from the console or on the screen. VENUE software also keeps track of the latest plug-in versions, making it easy to see what's currently installed and what needs to be updated.

## Make changes and perform tasks on the fly

With snapshot automation, you can store mix settings, or “scenes,” and recall them on the fly, greatly increasing your efficiency—ideal for theater and concert mixing. Store and recall up to 999 snapshots from the Snapshots page or directly from the console. You can also drag and drop snapshots to match the set list order, as well as build and save recall-safe grids. Plus, you can save even more time—and stress—by programming

frequently performed actions as Events, which can be triggered with a simple button press, footswitch stomp, fader movement, or snapshot recall.

## Manage the show and take it to go

Easily work with show files, console settings, and factory and user preset libraries for channel processing and plug-ins through the Filing page, which provides access to the software's robust file management system. Plus show files are portable, so you can save them to a USB flash drive for backup or transfer, making it easy to load your settings on any VENUE system and get up and running fast. And if you have second thoughts about a change you've made to a mix, simply click the History tab where you can quickly recall any previous console state to undo it.

## Customize your system

The Options page is the nerve center of the system, enabling you to customize the system configuration and user preferences for your needs. Choose your desired input counts and bus configurations. Enable Pro Tools, Stage 64, MADI\*, Thunderbolt\*, and other interfaces as the input source. You can even export detailed system info such as all patches, hardware details, and installed plug-in versions into a document and email it to a systems integrator or sound company for an upcoming installation or event.





# S6L Workflows

## 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. Plus, coming soon, you can share the same I/O across multiple network systems, with advanced gain compensation, greatly reducing I/O and cable requirements, set-up time, and transportation costs.

- **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 bands and artists, so they can get set up and running almost instantly. Re-create an artist's signature studio sound live on stage, thanks to onboard support for the latest 64-bit AAX DSP plug-ins. Record and play back an unprecedented number of Pro Tools tracks, making archiving shows for future revenue-generating opportunities easy. Accommodate hundreds of mic inputs to handle multiple stages. Save hours of show prep and sound check time with Virtual Soundcheck, without requiring the presence of the artist or band. And because you can add optional Dante and/or MADI connectivity, it's easy to install S6L into any existing infrastructure.

- **Monitors**—With its massive mix bus capacity, S6L makes it easy to handle dozens of stereo in-ear monitor mixes, wedge mixes, and backline mixes on the fly, with immediate one-touch access to any mix on the faders. Monitor your mixes 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. And with support for third-party personal mixers, artists can achieve a better on-stage experience by having the ability to control their own monitor mixes.
- **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 (coming soon), without having to split signals. And integrate into any existing MADI-equipped production facility for a live broadcast by simply adding the MADI OptionCard or using the direct MADI split in the Stage 64.

## Houses of worship

For houses of worship, S6L brings sonic clarity to services, ensuring that every word is heard. S6L offers intuitive workflows, snapshot automation, and fully recallable settings to take the complexity out of mixing multifaceted services, enabling you to switch between sermons, choir performances, and drama presentations with speed and ease.

With its modular design, you can easily scale the I/O to accommodate last-minute program additions, guest speakers, and special performances. The system also opens up new outreach opportunities by way of seamless Pro Tools integration, enabling you to record services and make the audio available to the congregation through downloads from 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. In fact, you can assign specific fader layouts, giving volunteers access to only the channels they need. And those who don't know VENUE will only need to learn the software once and then leverage that knowledge to operate any other VENUE system your church may have, helping keep things simple in multiroom facilities.

## Theater performances

From Broadway to the West End to Avenida Corrientes, S6L delivers unparalleled power, great flexibility, and innovative workflows that make mixing even the largest, most complex stage productions easy. Take control of over 300 processing channels and put an end to worrying about channel counts. Immerse the audience in full surround sound with the system's extensive matrix capabilities. Use comprehensive snapshot automation to quickly recall and change mix settings on a per-song or per-scene basis—up to 999 snapshots—and then fine-tune your mix from there.

Trigger sound effects, music cues, and more using programmable events, snapshots, and a single laptop with Pro Tools installed. Handle dozens of stereo monitor mixes for stage performers and musicians alike, with immediate one-touch access to any mix on the faders. Control groups of performers the way you want with expanded VCA counts. 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 types of corporate events are often unpredictable, but S6L comes through with great sound clarity and flexibility to get your message heard. And it's designed to deliver the same reliability proven by other VENUE systems, with the scalability, versatility, and expanded matrix section you need to keep up with the pace.

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, and swap between analog and digital inputs and/or outputs for specific needs. Use the VENUE software digital patchbay to quickly access all inputs, outputs, and external gear. Connect a laptop with Pro Tools playback 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. And with its flexible matrix system, S6L can satisfy even the most extensive signal distribution needs.

Discover how S6L can help you succeed—contact us at [avid.com/S6L](https://www.avid.com/S6L)



## About Avid

Avid is the world's leading provider of digital audio and video technology for media organizations and independent professionals. For over 25 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 news broadcasts.

Our Avid Everywhere™ strategic vision addresses the entire media value chain—from the way media is created and managed, to the methods used to monetize, distribute, and track content—enabling broadcast, video, and audio professionals to connect with their audiences in more powerful, efficient, collaborative, and profitable ways.

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 fourteen Emmys®.

## Fuel your creativity

Get insight, inspiration, advice, and tips from the best in the business—read our Avid Live Sound blogs at [avidblogs.com/livesound](http://avidblogs.com/livesound).

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

\* Certain option cards are available as separate purchases and not included with core systems. All Stage 64 I/O options are 192 kHz-capable except where noted.



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