



VENUE | S6L

The next stage in live sound



Mix and record any live production with ease. Avid VENUE™ | S6L delivers the unprecedented processing power, exceptional performance, and renowned sound quality artists and engineers rely on to put on the best show possible. From AAX plug-in support, 128 tracks of Pro Tools® recording, and intelligent touchscreen workflows, to its 300+ processing channels, S6L gives you the mixing efficiency and flexibility you need to meet the demands of any gig. And now it offers a fully integrated live Waves SoundGrid workflow, providing even greater creativity.

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. View comprehensive metering and select and adjust plug-ins from the touchscreen. And insert and adjust plug-ins right from the surface, with instant insight and 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.

ACHIEVE PRISTINE SOUND THROUGH HIGH-PERFORMANCE I/O

Scale your system with as little or as much I/O as you need with the Stage 64 and Stage 16 racks, featuring high-performance preamp designs that deliver the best possible sound quality throughout the signal path, with incredible clarity, warmth, and presence.

GET MORE CREATIVE WITH EXPANDED PLUG-IN PROCESSING

Mix with the same sound processors used in top studios. Thanks to dedicated HDX-powered DSPs handling all plug-in processing, you can deploy an unprecedented number of plug-ins to fine-tune and finesse every channel to get the exact sounds you want. S6L comes with and directly supports 64-bit AAX DSP plug-ins, giving you far more creative choices than other live mixing systems. And access and control Waves plug-ins directly on S6L with full integration with Waves SoundGrid systems.

RECORD AND SUPPORT THE BIGGEST SHOWS WITH PRO TOOLS

S6L offers the most powerful and integrated live recording capabilities in the industry, providing seamless Pro Tools recording and playback, while enabling you to control your live mixing and recording rigs as one. 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.

KEY HIGHLIGHTS

- Meet the most demanding live sound challenges with the industry's most powerful processing engine
- Deliver the best sound quality possible with high-performance preamps and extended sample rate support
- Experience unmatched sound processing and tactile control through fully integrated, onboard plug-ins
- Use your favorite Waves plug-ins in your mix with fully integrated Waves SoundGrid workflows, as well as support over MADI
- Get up to 128 tracks of Pro Tools recording/playback and Virtual Soundcheck over Ethernet AVB—no interface required
- Share I/O across multiple networked systems with advanced gain tracking
- Gain unmatched visual feedback and instant access to your most important functions through high-resolution touchscreens and OLED displays
- Freely configure the modular system components and I/O to meet the demands of any live production
- Interface with a range of network and I/O formats—including Ethernet AVB, Dante, MADI, and more*
- Enjoy the familiar VENUE workflows and interface you know and love, with show file compatibility
- Control monitor mixes remotely using the free VENUE | On-Stage iOS app

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

FOR MORE INFORMATION, VISIT
[avid.com/S6L](https://www.avid.com/S6L)

VENUE | S6L—The next stage in live sound

CONTROL SURFACE	S6L-32D	S6L-24D	S6L-24
Daylight-visible touchscreens	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; 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		
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 ¼" 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	E6L-192	E6L-144	
Sample rates	96 kHz		
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	
VCA's	32	24	
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 plug-in processing	Supports up to two HDX-192 DSP Expansion Cards for plug-in processing	
Plug-in support	64-bit AAX DSP; also supports Waves SoundGrid systems through the VENUE WSG-HD Option Card for full integration, or over MADI		
Plug-in slots	200	128	
Pro Tools integration	Record/play back up to 128 audio tracks via Ethernet AVB		
Ethernet AVB ports	Includes one AVB-192 Ethernet AVB Network Card with two ports (up to two AVB cards supported), selectable as etherCON (copper) or SFP (fiber), with redundant ring topology		
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)		
I/O RACK	STAGE 64	STAGE 16	
Maximum I/O	64 input channels, 32 output channels @ 96 kHz	16 XLR mic inputs/preamps, 8 XLR line outputs, 4 channels of AES3 output	
I/O card slots	12	n/a	
Sample rates	96 kHz	96 kHz*	
Ethernet AVB ports	2, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology	2 Gigabit Ethernet AVB ports	
Maximum cable length	Copper: 100 meters (328 feet); Fiber: 500 meters (1,640.4 feet)	100 meters (328 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	n/a	
Word Clock I/O	BNC, 75 Ohm coaxial		
Power supply	Dual redundant internal PSUs		Single internal PSU
Dimensions (H x W x D)	17.5 x 17 x 12.2 inches (445 x 432 x 310 mm)	6.9 x 19 x 8.1 inches (175 x 483 x 206 mm) with ears/handles out (rackmount configuration)	
Rack spaces	10U	4U	
Weight	69 lbs (31 kg)	15.8 lbs (7.1 kg)	

* When connected to VENUE | S6L—operates at 48 kHz when connected to VENUE | S3L-X

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