VENUE | S6L

The next stage in live sound

Mix and record any live production with ease. Avid VENUE™ | S6L delivers the unmatched processing power and sound clarity artists and engineers rely on to present the best show possible. From AAX and Waves plug-in support and 128 tracks of Pro Tools® recording, to full system modularity and 300+ processing channels, S6L gives you ultimate mixing efficiency and flexibility. And now with its newly expanded line of control surfaces, engines, and I/O racks to choose from, it's easy to configure and scale the perfect system to meet the demands of any gig.

BUILD YOUR PERFECT SYSTEM

VENUE | S6L now offers even more component options, enabling you to configure and scale a system to meet any size production, space, or budget requirement. Take control of any tour, performance, or event with a choice of five surfaces that offer from 16–48 faders. Power performances and studio processing with a choice of three engines. Get all the ins and outs you need by mixing and matching any combination of four I/O rack options. Scale your system up or down to meet changing control, processing, I/O, and connectivity requirements. And get 100% software, hardware, and show file compatibility across the entire line.

TAKE INTELLIGENT CONTROL OF YOUR MIX

When you're mixing live, there are no do-overs. You have to anticipate and react fast. With Avid VENUE | S6L, you get instant access to every facet of your mix. View detailed information across high-res displays—in even the brightest outdoor conditions. Access and adjust plug-ins, VCA groups, and more using touchscreens or surface controls. And gain insight into every input, aux, and more through the Universe screen.

EXPERIENCE UNPRECEDENTED POWER

From Broadway to broadcast, many live shows require hundreds of channels. With the Avid VENUE | E6L engine, you have the power to support over 300 processing channels. The real-time processing engine handles all routing, channel, and mixing functions. The HDX-powered DSP engine manages all plug-in processing, with full automatic delay compensation, so you can create bigger, better sounding mixes—with no round trips to external servers. Simply put, it outperforms the competition—hands down.

MIX AND RECORD HIGH-QUALITY AUDIO

With its premium-grade architecture, audio engine, and high-performance preamps, S6L delivers incredible clarity, warmth, and presence throughout the signal path. It's also the only live system that provides 128 tracks of integrated and redundant Pro Tools recording and playback, eliminating the need for expensive audio interfaces. And it supports the same audio plug-ins and emulations of prized outboard gear used in countless recordings, so you can easily re-create the sound of the studio—live.

TAKE YOUR MIX TO GO

All VENUE systems use the same software, so you can load any VENUE show file into any S6L system and be ready to rock. This makes it easy to transition from one system to another, like when going from a club tour to a big festival. Just copy your show files to a USB key and load them into S6L. VENUE software adapts the settings to fit within the available hardware and software feature set of the given VENUE system configuration.

KEY HIGHLIGHTS

- Mix and record live performances and events of any size with a fully modular and flexible live sound system

- Build the perfect system with a choice of five control surfaces, three engines, four I/O racks, and many options

- 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

- 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

- Trigger snapshots and events remotely using the free VENUE | Function Pad 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

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CONTROL SURFACES	S6L-48D	S6L-32D	S6L-24D	S6L-24C	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 ¼" 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 x 15.3 inches (91 x 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	info coming soon	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

ENGINES	E6L-192	E6L-144	E6L-112
Sample rates	96 kHz		
Input channels	192	144	112
Input processing	HPF, LPF, 4-band PEQ, Expander/Gate, Compressor/Limiter, Delay, 4 plug-in inserts, hardware insert		
Mix busses	96 + LCR	64 + LCR	48 + LCR
Output processing	7-band PEQ, Compressor/Limiter, Delay, 4 plug-in inserts, hardware insert		
Matrix	24 x 24	16 x 16	16 x 16
VCAs	32	24	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; includes one card	Supports up to two HDX-192 DSP Expansion Cards for plug-in processing; includes one card	Supports one HDX-192 DSP Expansion Card, included, 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		

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ENGINES	E6L-192	E6L-144	E6L-112
Plug-in slots	200	125	100
Pro Tools integration	Record/play back up to 128 audio tracks via Ethernet AVB		
Expansion option card slots	4 max	4 max	2 max
I/O sharing	Supports up to three Stage 64 and four Stage 16 racks—up to 192 inputs total, depending on the E6L engine in use (requires two AVB-192 Ethernet AVB Network Cards to share I/O)		
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		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)		

* 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 RACKS	STAGE 64	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)	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	4	n/a	n/a
Sample rates	96 kHz	96 kHz	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	Single MADI output offers direct split of up to 32 inputs	n/a	n/a
Headphone confidence monitor	1/4" TRS stereo headphone jack with volume control; display for channel selection	n/a	n/a	n/a
Word Clock I/O	BNC, 75 Ohm coaxial	n/a	n/a	n/a
Power supply	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)	8.7 x 18.5 x 18.9 inches (220 x 470 x 480 mm)	6.9 x 19 x 8.1 inches (175 x 483 x 206 mm) with ears/handles out (rackmount configuration)	5.2 x 17.4 x 11.0 inches (132 x 442 x 278 mm) with ears/handles out (rackmount configuration)
Rack spaces	10U	5U	4U	3U
Weight	69 lbs (31 kg)	49 lbs (22 kg)	15.8 lbs (7.1 kg)	info coming soon

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

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avid.com/S6L