

Avid 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 plugin support, fast touchscreen workflows, and 128 tracks of Pro Tools® recording, to full system modularity, I/O sharing, and 300+ processing channels, S6L gives you ultimate mixing efficiency, scalability, and flexibility to meet the demands of any gig.

DO MORE WITH A SINGLE SOLUTION

When it comes to mixing live sound, efficiency, sound clarity, and reliability are of critical importance. Avid VENUE | S6L is the industry's only live sound system that offers 100% software, hardware, and show file compatibility and interoperability across the entire line. It's also the only system that offers direct Waves and AAX plugin control from the console to elevate mixes and 128 tracks of built-in Pro Tools recording/playback with Virtual Soundcheck, saving hours of prep time. Plus, you get three years of 24x7 priority support to ensure the show always goes on.

MEET ANY LIVE SOUND CHALLENGE

Avid VENUE | S6L delivers unrelenting performance through its advanced engine design and intelligent workflows to handle any live production. Its modularity and unmatched flexibility make it easy to scale a system with the control surface, processing power, I/O, and networking options—including AVB, Dante, MADI, and Milan—you need to meet the demands of any live sound application. You can even share I/O across multiple systems, providing more workflow possibilities while cutting costs.

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 also provides the most integrated, cost-effective, and redundant Pro Tools recording workflow, eliminating the need for expensive audio interfaces. And it supports the same audio plugins and emulations of prized outboard gear used in countless recordings, so you can easily re-create the sound of the studio—live.

PUMP UP PERFORMANCES WITH MASSIVE POWER

From large concert tours and Broadway shows, to smaller club and corporate events, today's stage productions are more complex than ever. That's why we designed a groundbreaking engine for S6L—the VENUE | E6L—which combines two powerhouse technologies that work in concert together. With a state-of-the-art real-time processing engine and dedicated DSP plugin processing, you get unrivaled processing capabilities to handle an extraordinary number of channels—without the complication or stress.

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 plugins
- > Use your favorite Waves plugins 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—plus simple 2-track recording and playback using a USB flash drive
- > Share I/O across three networked systems with advanced True Gain tracking
- > Get 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, Milan, and more*
- > Enjoy the familiar VENUE workflows and interface you know and love with show file compatibility
- > Tackle big, complex productions with advanced dual-operator workflows
- > 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, 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

ENGINES	E6L-192	E6L-144	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
VCA's	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 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 VENUE WSG-HD Option Card for full integration, or over MADI		

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ENGINES	E6L-192	E6L-144	E6L-112
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
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)		
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		
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; 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 (1,640.4 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	¼" 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 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)	13.2 lbs (6 kg)

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

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