



What's New in VENUE | Software 6.0

for Avid[®] VENUE | S6L Systems

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Guide Part Number 9329-65987-00 REV B 09/18

Safety Compliance

Safety Statement: (M/N: S6L24(all), S6L32, Stage 16, Stage 32 and Stage 64)

This equipment has been tested to comply with USA and Canadian safety certification in accordance with the specifications of UL Standards: UL 60065 7th Ed., 2013-07-24, CAN/CSA C22.2 No. 60065-03, 1st Ed, +A1:2006 +A2:2012, EN 60065:2002 +A1:2006 +A11:2008 +A2:2010 +A12:2011, IEC 60065:2001 +A1:2005 +A2:2010.

Avid Technology Inc., has been authorized to apply the appropriate NRTL mark on its compliant equipment.

Safety Statement: (M/N: E6L(all))

This equipment has been tested to comply with USA and Canadian safety certification in accordance with the specifications of UL Standards: UL 60950-1 2nd edition, CAN/CSA C22.2 No. 60950-1-07; 2nd edition, EN 60950-1:2006 /A12:2011, IEC 60950-1:2005+ A1:2009 2nd edition.

Avid Technology Inc., has been authorized to apply the appropriate NRTL mark on its compliant equipment.

Power Safety Input Rating

S6L24(all): AC~100-240V, 50-60Hz, 4.0A per inlet
S6L32: AC~100-240V, 50-60Hz, 5.0A per inlet
E6L(all): AC~100-240V, 50-60Hz, 5.0A per inlet
Stage 16: AC~100-240V, 50-60Hz, 0.6A
Stage 32: AC~100-240V, 50-60Hz, 3.65A per inlet
Stage 64: AC~100-240V, 50-60Hz, 3.65A per inlet

Warning



Important Safety Instructions for E6L

- 1) User should make sure that all the thumb screws are secured by a tool.
- 2) The E6L system can hold the following cards:
 - (3) AVB Cards
 - (4) HDX Cards
 - (4) MAD1-192 MAD1 Option Cards
 - (8) DIMMs of RAM.

User should not install additional cards.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this equipment near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other equipment (including amplifiers) that produce heat.
- 10) Protect power cords from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the equipment.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) For products that are not rack-mountable: Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the equipment. When a cart is used, use caution when moving the cart/equipment combination to avoid injury from tip-over.
- 13) Unplug this equipment during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) For products that are a Mains powered device:

The equipment shall not be exposed to dripping or splashing and no objects filled with liquids (such as vases) shall be placed on the equipment.



Warning! To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

16) For products containing a lithium battery:



Warning! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

17) For products with a power switch:

It should remain accessible after installation.

18) The equipment shall be used at a maximum ambient temperature of 40° C and maximum altitude of 2000m.

19) This unit may not ship with a power supply cord set. A qualified person must provide for use with this unit, an appropriate, approved power supply cord set which is in compliance with the end use country requirements and has a minimum cross-sectional area of 1.0mm².

20) For products with more than one power cord:

CAUTION: This unit has more than one power supply cord. Disconnect two power supply cords before servicing to avoid electrical shock.

ATTENTION: Cet appareil comporte plus d'un cordon d'alimentation. Afin de prévenir les chocs électriques, débrancher les deux cordons d'alimentation avant de faire le dépannage.

21) For products with an operator-accessible fuse:

CAUTION: For continued protection against risk of fire, replace only with same type and rating of fuse.

ATTENTION: Pour ne pas compromettre la protection contre les risques d'incendie, remplacer par un fusible de même type et de même caractéristiques nominales.

22) For products with Fiber optics:



Warning! Fiber optic equipment can emit laser or infrared light that can injure your eyes. Never look into an optical fiber or connector port. Always assume that fiber optic cables are connected to a light source.



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Introduction

Welcome to VENUE version 6.0 software for VENUE | S6L systems from Avid®. This guide describes the following new hardware and features provided in this newest version of VENUE software:

- [S6L-24C, E6L-112, and Stage 32](#)
- [Additional Improvements and Enhancements](#) including a new Mute Groups page, improved display of bus and Mute Group assignments in Meters view, a simplified Software Update procedure, and more.

Updating VENUE Software and Plug-Ins

VENUE version 6.0 software can be installed by performing a Software Update or a System Restore. Your installation method depends on the following:

- If you are updating a system that is already running VENUE software version 5.7.0 or higher you can install 6.0 as a Software Update or as a System Restore.
- If you are updating a system that is running VENUE software version 5.6.x or lower, you *must* install 6.0 as a System Restore.



Be sure to back up your Show files, Presets, and other data before installing new VENUE software.

To install VENUE version 6.0 as an update, see [Simplified Software Update](#). For complete software installation instructions for System Restore and Software Update, see the most recent edition of the *VENUE S6L Installation.pdf*, available for download from your Avid account.

System Requirements and Compatibility

Avid can only assure compatibility and provide support for hardware and software it has tested and approved. For complete system requirements and a list of qualified computers, operating systems, hard drives, cables, displays, other third-party devices, and versions of Pro Tools® software, visit:

www.avid.com/S6Lsupport

In addition:

- As of VENUE software version 5.7.1, Mac OS X 10.13 “High Sierra” is qualified for Pro Tools with S6L.
- Minimum Pro Tools version: 12.8.3 or later. Recommended Pro Tools version: 2018.10 or later.

For complete Pro Tools compatibility, system requirements, and required optimizations for VENUE, visit:

[What are the System Requirements for Pro Tools with S6L?](#)

Important!

Whenever you are recording or playing back to/from Pro Tools, do all of the following on the Pro Tools computer:

- Go to System Preferences > Network and disable Wi-Fi/Airport and Blue Tooth (make sure Wi-Fi is completely Off).
- Go to System Preferences > Sharing and make sure Internet Sharing is off/disabled.

WSG-HD

If your system includes an Avid WSG-HD Waves SoundGrid Option card, do not update Waves Central to v10. For more information, see [WSG-HD Waves SoundGrid](#).

VENUE Standalone Software

Be sure to manually uninstall any older versions of VENUE Standalone Software before installing VENUE Standalone v6.0.


Conventions Used in This Guide


All of our guides use the following conventions to indicate menu choices and key commands:

Convention	Action
Options > System	In the VENUE software, click Options to display the Options tab, then click the System tab.
File > Save	Choose Save from the File menu
Control+N	Hold down the Control key and press the N key
Control-click	Hold down the Control key and click the mouse button
Right-click	Click with the right mouse button


The names of Commands, Options, and Settings that appear on-screen are in a different font.

The following symbols are used to highlight important information:

 *User Tips are helpful hints for getting the most from your system.*

 *Important Notices include information that could affect your data or the performance of your system.*

 *Shortcuts show you useful keyboard or mouse shortcuts.*

 *Cross References point to related sections in this guide and other VENUE guides.*

Hardware Switches on Control Surfaces

The names of switches on the control surfaces are in bold (such as **Sel**). The Shift switch on the S6L is indicated by bold text, in all-caps (**SHIFT**) to distinguish it from references to the Shift key on your computer keyboard.

Resources

The Avid website (www.avid.com) is your best online source for information to help you get the most out of your Avid system. The following are just a few of the services and features available.

Account Activation and Product Registration

Activate your product to access downloads in your Avid account (or quickly create an account if you don't have one). Register your purchase online, download software, updates, documentation, and other resources.

<https://www.avid.com/account>

Support and Downloads

Contact Avid Customer Success (technical support); download software updates and the latest online manuals; browse the Compatibility documents for system requirements; search the online Knowledge Base or join the worldwide Avid user community on the User Conference.

<https://www.avid.com/products/venue-s6l-system/learn-and-support>

Training and Education

Study on your own using courses available online, find out how you can learn in a classroom setting at an Avid-certified training center, or view a webinar. For example, check out the live sound webinars hosted by Robert Scovill:

<http://www.avid.com/live-sound-webinars>

Also check out our Live Sound blogs:

<http://www.avidblogs.com/livesound/>

Get started learning the ins and outs of S6L using the many [Avid Live Sound](#) videos on YouTube.

Products and Developers

Learn about Avid products; download demo software or learn about our Development Partners and their plug-ins, applications, and hardware.

<https://www.avid.com/Products/index.html>

How to Use this PDF Guide

These are some useful features of this PDF:

- The Bookmarks on the left serve as a continuously visible table of contents. Click on a subject heading to jump to that page.
- Click a + symbol to expand that heading to show subheadings. Click the – symbol to collapse a subheading.
- The Table of Contents provides active links to their pages. Select the hand cursor, allow it to hover over the heading until it turns into a finger. Then click to locate to that subject and page.
- All cross references in **blue** are active links. Click to follow the reference.
- Select Find from the Edit menu to search for a subject.

Part I: New Features

S6L-24C, E6L-112, and Stage 32

Three new hardware components are now available in the S6L family:

- **S6L-24C Control Surface**
- **E6L-112 Engine**
- **Stage 32 I/O**

These new components can be combined with all other S6L components.

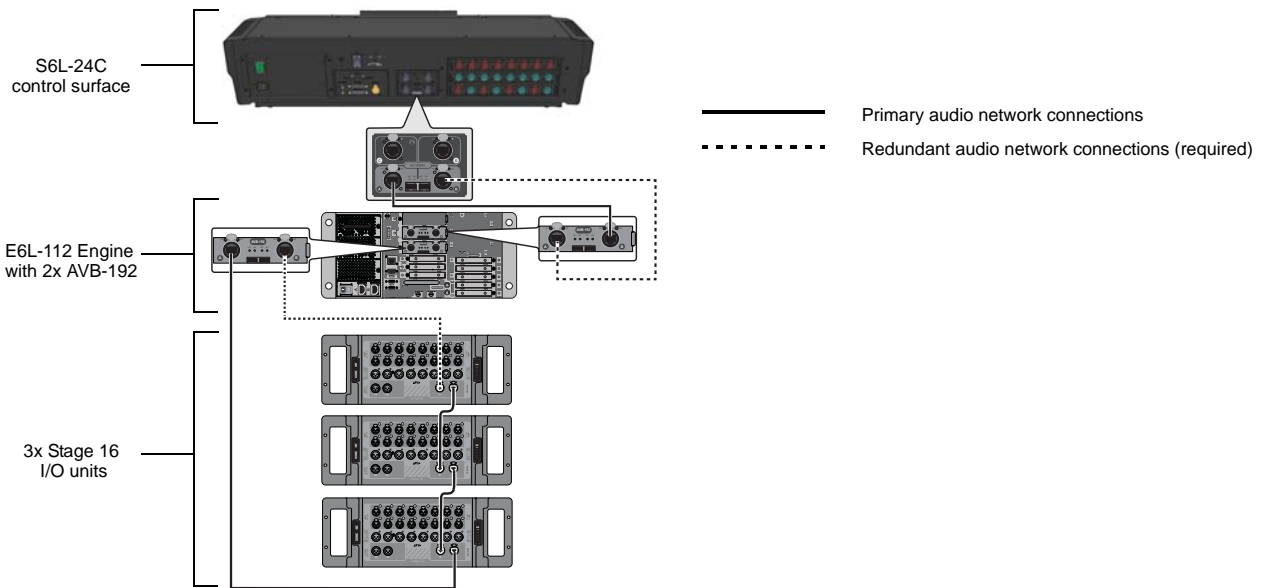
New S6L System Configurations

The following complete systems are available for purchase (individual components are also available):

New VENUE | S6L System Configurations

System	Control Surface	Engine	Stage I/O
VENUE S6L-32D-112	S6L-32D	E6L-112	1x Stage 64
VENUE S6L-24D-112	S6L-24D	E6L-112	1x Stage 64
VENUE S6L-24C-144	S6L-24C	E6L-144	1x Stage 64
VENUE S6L-24C-112	S6L-24C	E6L-112	1x Stage 64
VENUE S6L-24C-112 Stage 16	S6L-24C	E6L-112 (2x AVB-192 Cards)	3x Stage 16

The following example diagram shows S6L network connections for the VENUE | S6L-24C - 112 Stage 16 system.



S6L-24C - 112 Stage 16 connections

The S6L-24C - 112 Stage 16 system includes two AVB-192 Network Cards; the primary AVB-192 card is pre-installed in the Master Slot (slot 1) of the E6L-112, but the second AVB-192 card is not pre-installed. See the *AVB-192 Network Card Guide* for instructions to install the second AVB-192 card into slot 2 in order to use Stage 16s.

S6L-24C Control Surface

Features of the S6L-24C include:

- 24 channel faders across 3 Channel Fader Modules, plus 2 assignable faders in the Master Live Module (MLM)
- 32 assignable channel knobs (encoders) across 1 Channel Knob Module (CKM)
- 1x Master Touchscreen (MTS), a central screen for quick navigation, parameter identification, and control, plus Channel and Meters views
- 1x Master Live Module (MLM) for control of global system parameters such as channel banking, snapshots, and monitoring
- Local analog I/O, digital I/O, and ancillary I/O, including ECx for remote control and DVI for connecting an external monitor (sold separately) for VENUE software display



S6L-24C

For detailed information on the features of each module that comprise the S6L-24C, see the *VENUE S6L System Guide.pdf*. The following sections describe the relatively few differences between the S6L-24C and other S6L control surfaces.

Split Fader Mode (Profile Mode)

When S6L-24C is in default Split banking mode (in which no Fader mode is enabled such as **Layouts**, **VCA**s, **Inputs**, or **Outputs**) inputs are assigned to the two left-most CFMs and outputs to the right-most CFM.

Meters View on MTS

When the MTS is in Meters View it shows the channels on the faders directly below it (OLEDs on those strips show a Selection outline). By default, Meters view on the 24C follows the Selected channel.

You can change this behavior to instead have the MTS Meters view be associated with whichever strips are banked below the MTS. This setting is only available when using an S6L-24C control surface.

To configure Meters Follow Selection:

- 1 On the external screen go to Options > Interaction.
- 2 Enable or disable the Meters Follow Selection setting.
 - When enabled, Meters View on the MTS associates with the bank of channels that has a channel selected locally.
 - When not enabled, Meters View associates with the faders directly below the MTS.

Local Select

On the S6L-24C, pressing **Select** on any strip focuses that channel on the CKM. In addition:

- When any Channel is selected, the MTS enters Channel View for the selected channel.
- When no Channel is selected, the CKM is in Vertical mode for the faders directly below the CKM.
- If a Channel is selected but no parameter type was previously selected, the Channel parameters are displayed on the CKM.

S6L Control Surface Features

The S6L control surface provides system controls, mix position audio I/O, and control and utility connections.

The S6L control surface is available in three models, the S6L-32D, S6L-24D, and the S6L-24C, which provide the following features and capabilities:

	S6L-32D	S6L-24D	S6L-24C
Integrated Touch Screens	1 Master Touch Screen, 3 Channel Touch Modules	1 Master Touch Screen, 2 Channel Touch Modules	1 Master Touch Screen
Faders	32 channel strips + 2	24 channel strips + 2	24 channel strips + 2
Channel Knob Modules (CKM)	3 CKMs, each with 32 color-coded encoders, 32 high-resolution displays, and tri-color indicators	2 CKMs, each with 32 color-coded encoders, 32 high-resolution displays, and tri-color indicators	1 CKM with 32 color-coded encoders, 32 high-resolution displays, and tri-color indicators
Master Live Module	2 TFT displays with Soft Keys; 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 1/4-inch TRS stereo headphone jacks		
Ancillary I/O	DVI-D video out, 4 USB 2.0 (2 rear, 1 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		
AVB Audio Network ports	4, each providing etherCON (copper) or SFP (fiber optic) connections		
Power supply	2 (1+1) redundant, internal hot-swappable PSUs		Dual redundant, internal

Lights

Note that only LED lights are supported on the S6L-24C.




Light connectors on S6L-24C

E6L-112 Engine

Features of the E6L-112 engine include:

- Support for up to 112 input channels, 48 mix busses + LCR, and a 16 x 16 matrix
- 100 plug-in rack slots
- Two expansion slots to add capabilities through Option cards, including Waves SoundGrid support and MADI I/O

 A single WSG-HD card can be installed in AVB Network slot 3. A single MADI-192 card can be installed in Option slot 1; an additional MADI-192 card can be installed in AVB Network slot 3 if no WSG-HD card is present.



E6L-112 Engine


The E6L engine provides the real-time processing engine for input and output channels, and Pro Tools | HDX DSP processing for AAX DSP plug-ins. The E6L engine also provides connections for synchronization, control, and utility in a 5U rack-mountable enclosure. The E6L-192, E6L-144, and the E6L-112 provide the following features and capabilities in their basic configuration:

	E6L-192	E6L-144	E6L-112
Sample rates	96 kHz	96 kHz	96 kHz
Input channels	192	144	112
Input processing (per channel)	HPF, LPF, 4-band PEQ, Expander/Gate, Compressor/Limiter, Delay, 4 plug-in inserts, hardware insert		
Mix busses	96 + L-R, C/Mono	64 + L-R, C/Mono	48 + L-R, C/Mono
Output processing (per channel)	7-band PEQ, Compressor/Limiter, Delay, 4 plug-in inserts, hardware inserts		
Matrix	24 x 24	16 x 16	16 x 16
VCA's	32	24	24
Monitor busses	2 stereo, each with independent control and routing		
Graphic EQs (31-band)	32		
Plug-in support	1 x HDX-192 DSP card, expandable to up to four HDX cards	1 x HDX-192 DSP card, expandable to up to two HDX cards	1 x HDX-192 DSP card, expandable up to two HDX cards
Plug-in slots	200	125	100
Pro Tools Recording/Playback	Record/play back up to 128 audio tracks via Ethernet AVB		
AVB Audio Network Ports	2, each providing etherCON (copper) or SFP (fiber optic) connections (Some base configurations with Stage 16s include an additional AVB-192 card)		
I/O Sharing	Supports combinations of Stage 64, Stage 32s, and Stage 16 racks, up to 192 inputs total (requires two AVB-192 Ethernet AVB Network Cards to share I/O)		
Word Clock I/O	Input and Output, BNC, 75 Ohm coaxial		
USB ports	4 USB 2.0 ports (2 front, 2 back)		
Power supply	3 (2+1) redundant, internal hot-swappable PSUs		Dual redundant, internal
Rack spaces	5U		

Stage 32 I/O

Stage 32 lets you connect up to 32 analog, digital, and/or Dante inputs and outputs in a rack that offers maximum I/O flexibility in a smaller footprint for stage or remote I/O needs. Features include:

- Supports up to a maximum 32 channels of inputs or outputs or a combination of both
- Customize with any of the same analog I/O, digital I/O, and Dante card options available for Stage 64, including SRI-192 Analog Input cards, SRO-192 Analog Output cards, DSI-192 Digital Input cards, DSO-192 Digital Output cards, and DNT-192 Dante Option cards
- 32-channel MADI split
- 5U rack
- Network up to four Stage 32 units together, and combine Stage 32 with other VENUE S6L I/O units up to the maximum of six I/O units.
- Audio network connections are made using supported copper Ethernet cables and/or fiber-optic cables.
- Fully supports VENUE I/O sharing

 *Stage 32 requires 2x AVB-192 Network Cards in the E6L engine.*



Stage 32 I/O

The following table lists Stage 32 features and specifications:

I/O Rack	Stage 32
Maximum I/O	32 input/output channels @ 96 kHz with one Stage 32 rack
I/O card slots	4
Sample rates	96 kHz
AVB Audio Network Ports	2, each providing etherCON (copper) or SFP (fiber optic) connections
Maximum cable length	Copper: 100 meters (328 feet); Fiber: 500 meters (1,640.4 feet) for Multi-Mode, 10,000 meters for Single Mode Fiber
MADI Outs	Single MADI output offers direct split of up to 32 inputs
Headphone confidence monitor	n/a
Word Clock Out	n/a
Power supply	Dual redundant internal PSUs
Rack spaces	5U

Customizing Stage 32 I/O

Stage 32 supports a maximum 32 channels of inputs or outputs or a combination of both. In its default configuration, Stage 32 provides 24 analog inputs (3x SRI Analog Input cards) and 8 analog outputs (1x SRO Analog Output card). Stage 32 units are also available “empty” for you to purchase and install exactly whichever I/O cards you need.

You can customize Stage 32 with any of the analog I/O, digital I/O, and Dante card options available for Stage 64, including SRI-192 Analog Input cards, SRO-192 Analog Output cards, DSI-192 Digital Input cards, DSO-192 Digital Output cards, and DNT-192 Dante Option cards.

Stage 32 Input and Output Slot Guidelines

Stage 32 I/O slots are lettered A–D from top to bottom. When installing I/O cards into Stage 32, input cards are to be installed in lower lettered slots (physically above output cards). For example, in its base configuration the 3x SRI Analog Input cards are installed into slots A–C with the SRO Analog Output card in slot D. For more information and installation instructions, see the *S6L Stage IO Installation Guide* included with each IO card, and available for download from your Avid account.

DNT-192 Dante Network cards can be installed in any pair of adjacent slots (the DNT-192 is two slots in width). If configured in software for Dante output all I/O cards in higher lettered slots (physically below) the DNT-192 card must be output cards.

Stage 32 in VENUE Software

Stage 32 is managed within VENUE software just like Stage 64 and Stage 16.

In Options > Devices

- Slots in the **CONNECTED DEVICES** column must be configured for Stage 32 (just like Stage 16).
- I/O Sharing ownership assignment is the same as with Stage 64: Inputs ownership can be assigned per Stage unit, and outputs ownership can be assigned per card/slot.
- Stage 32 units can be named just like other I/O units. Select the device in the **CONNECTED DEVICES** column, then in the **INFORMATION** section display the **DEVICE** tab. Names are saved in the unit (not in VENUE software).
- DNT-192 Dante Network cards (if any) can be configured in software for 16-in or 16-out (see next).

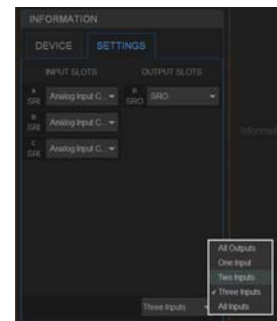
Configuring DNT-192 I/O in Stage 32

Unlike Stage 64 and Stage 16, Stage 32 slots can be used for input *or* output cards. The only restriction is that all input cards must be installed in lower-lettered slots (physically above) output cards.

If your Stage 32 includes one or two DNT-192 Dante Network cards, configure the Stage 32 and each Dante card in the **Devices** tab for 16-in or 16-out operation. Note that if any output card (SRO-192 or DSO-192) is installed in a lower-lettered slot the DNT-192 will auto-configure to 16 channels of output (this cannot be changed). If input cards (or another DNT-192 card) are in lower-lettered slots, do the following to configure the DNT-192 card.

To configure Stage 32 DNT-192 Dante I/O:

- 1 Make sure the system is in Config mode.
- 2 Select the Stage 32 in the **AVAILABLE DEVICES** column. If the Stage 32 is listed in the **CONNECTED** column, select it and choose **DISCONNECT** to make it appear in **AVAILABLE**.
- 3 In the **INFORMATION** section display the **SETTINGS** tab.
- 4 Use the selector at the bottom of the **SETTINGS** tab to configure the Stage 32 for the desired input/output arrangement (All Outputs, One Input, Two Inputs, Three Inputs, or All Inputs).
- 5 In the **OUTPUT SLOTS** column that appears, use the selector for port C to choose Dante Output Card.
 - Slots C and D populate with Dante Output Card channels (1–8, and 9–16). To use this same Dante card for 16 channels of Dante input, repeat the above steps but configure the Stage 32 for All Inputs, then select Dante Input Card for (Input) slot C.



Stage 32 Settings in Options > Devices

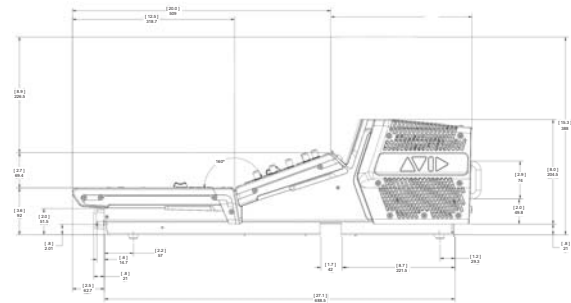
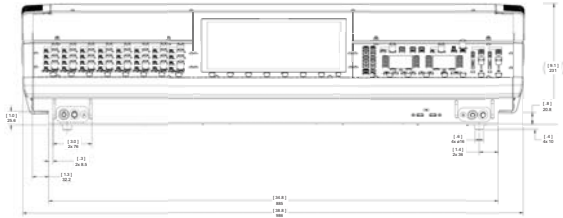
In the Patchbay

- Stage 32 presents 32 inputs and 32 outputs. Availability is determined by card/slot configuration per Stage 32.

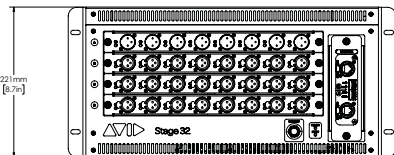
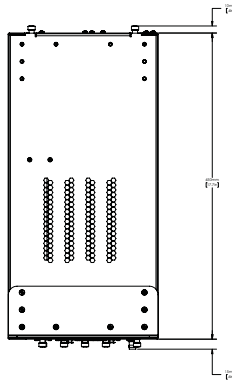
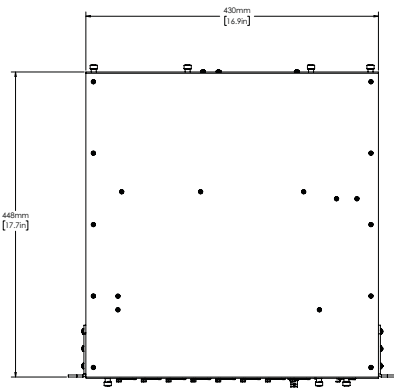
Dimensions

The following figures show dimensions for the S6L-24C control surface and Stage 32 I/O unit. (E6L-112 dimensions are identical to the E6L-192 and E6L-144.) For complete dimensions, weight, and power specifications, see the *VENUE S6L Mechanical Specs.pdf*.

S6L-24C



Stage 32



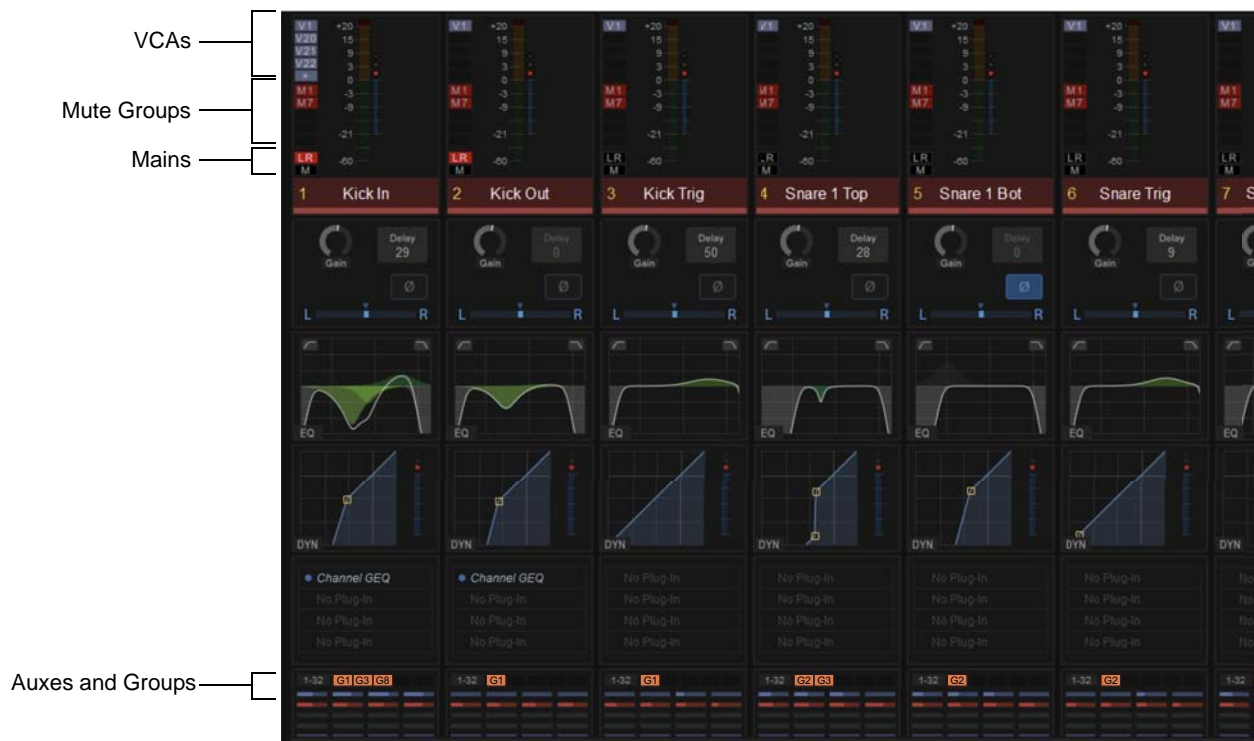
Additional Improvements and Enhancements

VENUE 6.0 includes the following additional improvements and enhancements:

- **Indication of Bus, VCA, and Mute Group Assignments**
- **Managing Mute Groups in the Mute Groups Tab**
- **New Event Action for Continuous Control on Fader**
- **Live Sound Production Toolkit Integrated into Pro Tools**
- **Display of Fader Value in Simple OLED Mode**
- **Simplified Software Update**
- **Expanded Aux Sends View in Standalone Software**

Indication of Bus, VCA, and Mute Group Assignments

Meters view on the CTM and MTS shows VCA, Mute Group, Mains, and Groups bus assignment.



VCA, Mute Group, and Bus assignment indicators in Meters view

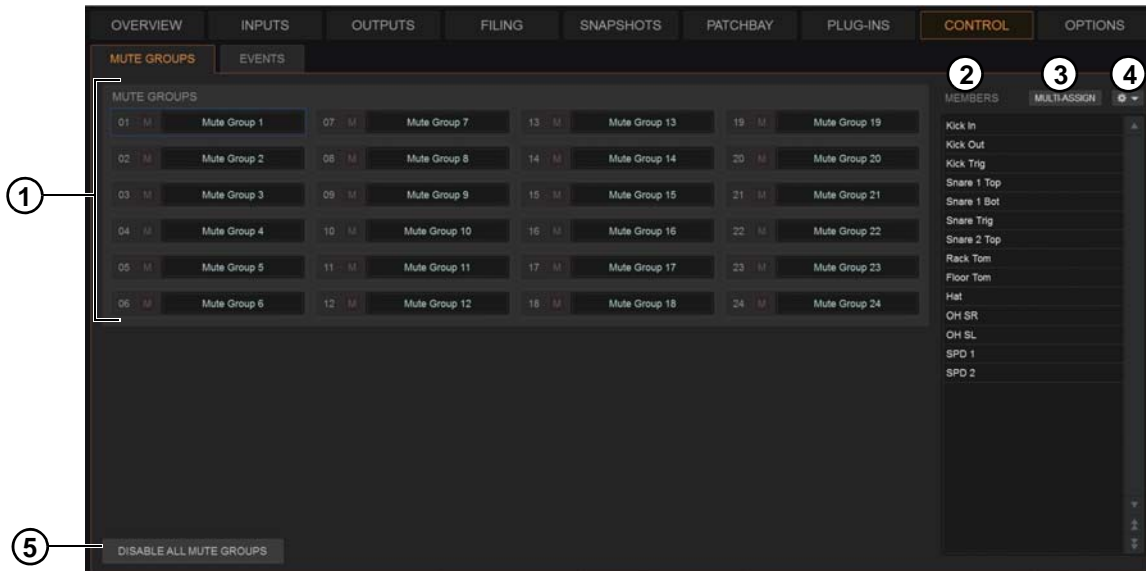
- VCAs, Mute Groups and Mains bus assignments are shown along the top, to the left of each channel meter. In the displays, a “+” indicates additional assignments.
- Auxes continue to be shown along the bottom of each channel, along with Group assignments.

Managing Mute Groups in the Mute Groups Tab

The Control tab provides a Mute Groups sub-tab in which you can manage assignments and name your Mute Groups.

To access the Mute Groups tab:

- Navigate the external screen to Control > Mute Groups.



Control > Mute Groups

The Mute Groups tab provides the following features as shown in the figure above.

Mute Groups tab

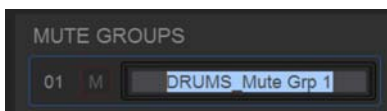
	Item	Description
1	Access to up to 24 Mute Groups	24 selectable Mute Groups, each with Mute button and editable name
2	Members list	List of channels assigned to the currently selected Mute Group
3	Multi-Assign button	Enables/disables Assign to Mute Groups mode
4	Settings cog (gear icon)	Commands to manage Mute Group assignments
5	Disable All Mute Groups button	To disable (suspend) and re-enable all Mute Groups

To select a Mute Group:

- Click its box in the Mute Groups tab. The selected Mute Group becomes outlined in blue and the Members list shows all channels assigned to that Mute Group.

To name a Mute Group:

- 1 Double-click any Mute Group name (such as Mute Group 1).
- 2 Enter a custom name and press Enter.



Entering a custom name for a Mute Group

Mute Group names are shown on the MLM in the left column of the right Soft Keys.

To assign channels to the selected Mute Group:

- 1 Select the Multi-Assign button above the Members List.
- 2 Select the desired channels (on the control surface or on-screen) then press the flashing Multi-Assign button to confirm.

To toggle a Mute Group (mute/unmute its channels) from the external screen:

- On the external screen, press the Mute button for that Mute Group.

You can also toggle a Mute Group on/off using the Right Soft Keys on MLM. Mute Groups 1–6 are available from the first page of the Right Soft Keys menu. Mute Groups 1–24 are available on the Mute Group sub-pages.

To toggle Mute Groups using the MLM:

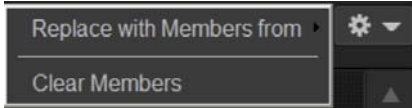
- 1 In the left-hand column of the Right Soft Keys display, locate any Mute Group 1–6 that you want to activate.
To access all Mute Groups (1–24) press the Mute Groups key in the right-hand column of the Right Soft Keys display.
- 2 To turn a Mute Group on, press the corresponding Soft Key so it lights.
- 3 To turn the Mute Group off, press the corresponding Soft Key so it is unlit.

To disable all Mute Groups from the external screen:

- In Control > Mute Groups, press Disable All Mute Groups.
The Disable All Mute Groups button lights red and the Mute Groups alert appears on the external screen. To enable Mute Groups press Disable All Mute Groups again (it becomes unlit) or press Enable Mute Groups in the on-screen alert.

To create a new Mute Group with the members of an existing Mute Group:

- 1 Select the Mute Group you want to define.
- 2 Click the Settings cog (gear icon) and choose Replace with Members from, then choose an existing Mute Group from the hierarchical sub-menu.



Mute Groups menu

To remove a member from a Mute Group:

- Right-click the channel in the Mute Group Members list and choose Unassign.

To clear a Mute Group:

- 1 Select the Mute Group you want to clear.
- 2 Click the Settings cog (gear icon) and choose Clear Members.

To attention a member of a Mute Group:

- Select the channel in the Mute Group Members list.

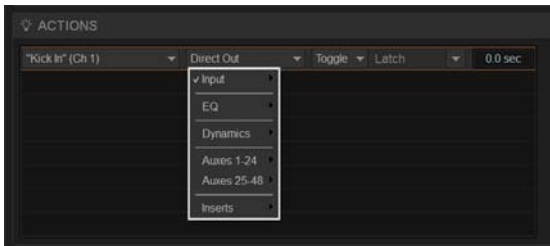
New Event Action for Continuous Control on Fader

You can map individual Control (Continuous) parameters to faders using the Continuous Control on Fader Event action.

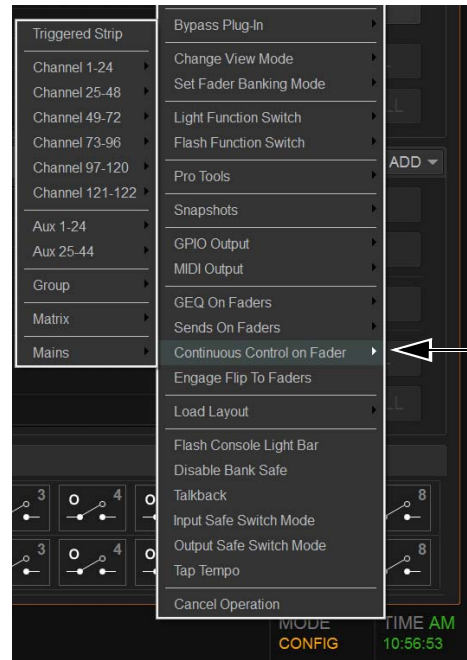
In its simplest application, this new action lets you quickly bring an important channel parameter to the fader as an alternative to Channel Control, Flip, or other modes.

For example, an event could be defined so that pressing any **Channel Color** switch maps that channel's Direct Out level to its fader. A more complex example could involve multiple actions in the same event definition to map different parameters from each channel to their corresponding faders.

Once added to an event, Continuous Control on Fader actions provide the same editable Type and Properties fields as other Control (Continuous) actions, including State, Behavior, Wait, Absolute/Relative, and Crossfade.



Editing properties for a Continuous Control on Fader action



Event Actions menu

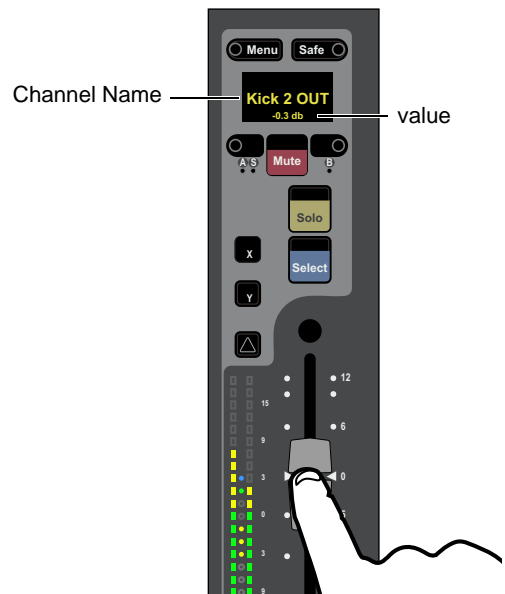
For instructions on how to create and edit events, see the *VENUE S6L System Guide.pdf*.

Live Sound Production Toolkit Integrated into Pro Tools

Beginning with Pro Tools 2018.10, the functionality provided by the Live Sound Production Toolkit is included in Pro Tools and is automatically enabled whenever the Playback Engine is set to E6L. For maximum compatibility you should still transfer the Live Sound Production Toolkit to your Pro Tools iLok to enable 64- and 128-channel Pro Tools AVB with Pro Tools 2018.7 or earlier.


Display of Fader Value in Simple OLED Mode

When Simple OLED mode is enabled in Options > Interaction and a fader is touched or moved, the fader value is displayed under the channel name for as long as the fader is touched or in motion. The display of fader value times out after two seconds of not being touched or moved.



Simplified Software Update


Beginning with VENUE software version 6.0, Software Updates can be performed entirely from the control surface.

 *In previous versions of VENUE software, Software Updates had to be installed on the control surface and E6L engine separately. In addition, a USB keyboard and mouse and a VGA monitor had to be connected to the engine. These steps are no longer necessary when performing a Software Update but are still supported, letting you install an Update without having to connect the system. See the VENUE S6L Installation Guide.pdf for more instructions.*

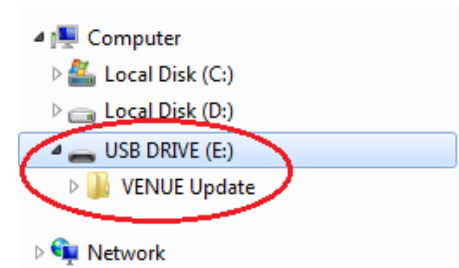
Use the following steps to install Software Updates (note that the System Restore procedure is unchanged from previous versions).

To install a VENUE S6L Software Update:

- 1 Make sure your S6L system is connected (control surface, engine, and I/O units).
- 2 Make sure you have a USB drive formatted to FAT32, with enough space available for the current Software Update. You can use a Mac or a PC to download the Software Update, but your USB drive must be formatted to FAT32.
- 3 Go to www.avid.com/account and log into the Avid account that you used to activate your S6L system components.
- 4 In the My Account page under My Products, click My Products and Subscriptions to access your software and download the VENUE_Update_6.x.x.zip from your Avid account to your computer.
- 5 After download is complete, extract each ZIP file.

 *As a precaution, back up your S6L system settings (such as Console settings, Show files and Presets) before installing new VENUE software. For instructions, see the VENUE S6L Installation Guide.pdf.*

- 6 Drag and drop the VENUE_Update folder (containing content.dat and VENUE_Installer.bat files) to the root level of a USB drive. The folder structure should look similar to the image shown at right:



- 7 Make sure you have connected a DVI monitor, keyboard and mouse directly to the S6L control surface, and disconnected all speakers and headphones.

- 8 Power on your S6L system (E6L engine, then S6L control surface, then Stage I/O units).

- 9 Place the system into **Config** mode.


- 10 Insert the USB drive containing the VENUE Update folder into an available USB drive on the S6L control surface, then do either of the following:

- On the external screen, navigate to Options > System.
- On the MTS tap the Gear icon.

- 11 Press **Update**, press **Next** as necessary until a button to install VENUE Update 6.x.x. appears, then press that button to begin the Software Update.

- 12 When finished, a Restart dialog appears. Press **Restart**.

After the control surface restarts, a dialog appears stating E6L Engine software version does not match the S6L Control Surface software version, with buttons along the bottom for **SELECT ENGINE**, **SHUTDOWN**, **RETRY**, and **UPDATE ENGINE**.

 *Reminder: Make sure your system is connected (control surface, engine, and stage I/O units) and fully powered on.*

- 13 Press **UPDATE ENGINE**, and when the confirmation dialog appears press **UPDATE 6.x.x.xxx**. (“Are you sure you want to update E6L Engine “E6L xx” to VENUE SW 6.x.x.xxx?”). A progress bar appears while the E6L engine is being updated.

- 14 When the update is complete a confirmation dialog is displayed. Press **CONNECT**.

The E6L engine restarts.

- 15 Allow any required firmware updates to complete.

- 16 Restart the entire S6L system.

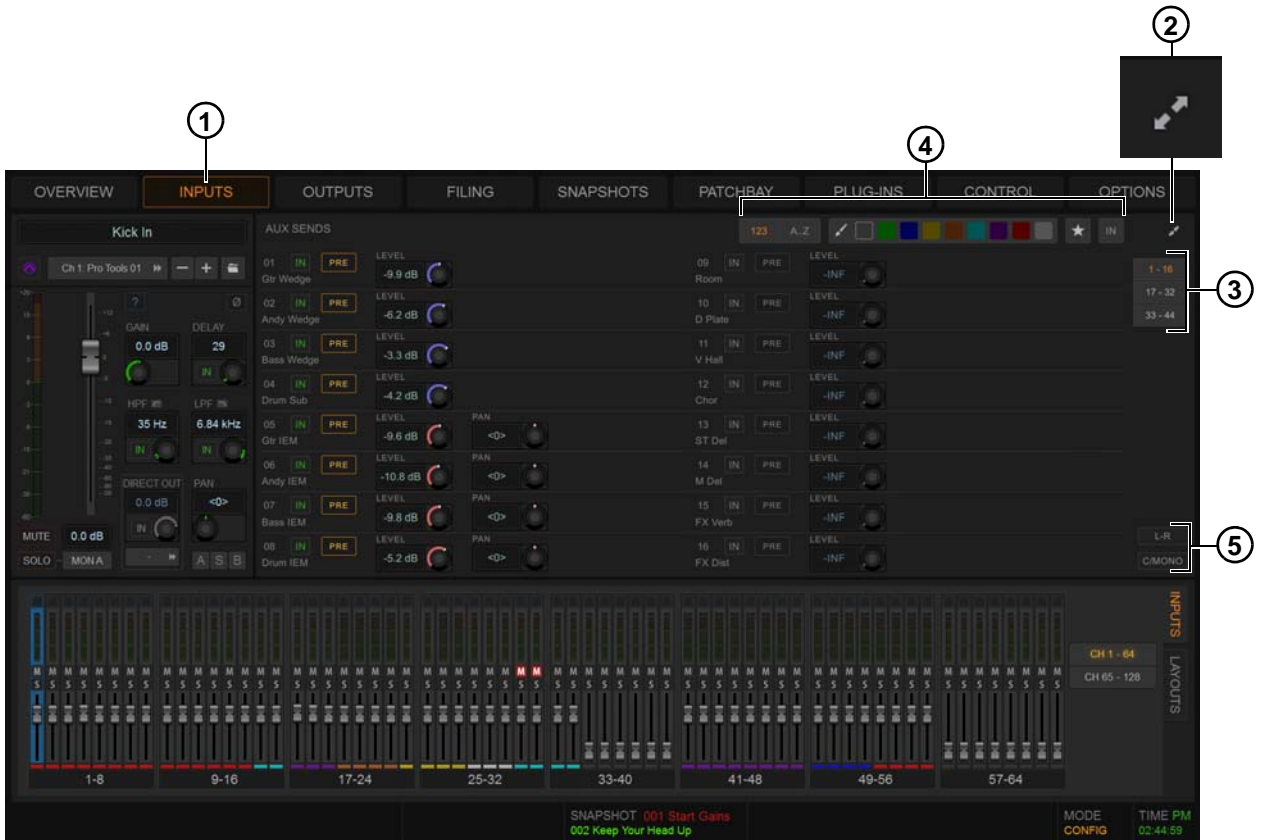
Expanded Aux Sends View in Standalone Software

(VENUE 6.0 Standalone Software Only)

In VENUE 6.0 Standalone Software (only) the Inputs page provides an expanded Aux Sends view. This view provides touch access to all Aux parameters, making it easier to configure preliminary Aux-based mixes while off-line using the Standalone Software. Auxes in Expanded Aux view can be sorted, and the display filtered by color, favorites, and In status.

To use Expanded Aux view (refer to the figures):

- 1 Navigate the external screen to the Inputs page.
- 2 Tap the Expand icon in the upper right corner of the Aux section to show the previously Expanded Aux view. Expanded Aux view displays Auxes in banks of 16. All Aux parameters can be adjusted on the external screen.
- 3 To show a different bank of Auxes, select a tab (such as 17-32).
- 4 To control how and which Auxes are displayed, use the Filter buttons (123 or A-Z), color blocks, star, or IN (to show only Auxes that are on/enabled).
- 5 To make or change assignment to Mains, use the L-R and C/MONO buttons.



Expanded Aux view in the Inputs page

- 6 To close the Expanded Aux view, tap the Expand icon (“2” in the figure).



In the Standalone Software (only) you can also access specific ranges of Auxes by tapping their rows in the collapsed Aux display on the Inputs page. Be sure not to attempt this on a full S6L system, however; tapping an Aux in the collapsed view shown on an S6L system external screen can disable that Aux.


Part II: Release Notes


VENUE Software 6.0 Release Notes


for VENUE | S6L Systems

This document describes the fixed and known issues in VENUE software version 6.0 for VENUE S6L systems. VENUE 6.0 is available as a Software Update and as a System Restore. Your installation method depends on the following:

- If you are updating a system that is already running VENUE software version 5.7.0 or higher you can install 6.0 as a Software Update or as a System Restore.
- If you are updating a system that is running VENUE software version 5.6.x or lower, you *must* install 6.0 as a System Restore.

 *Mute or power down any speakers or headphones before installing VENUE software. After VENUE software is installed and all firmware updates are complete, power cycle each device in your system, including any computers you are using for recording or playing back AVB audio with your S6L system.*

 *It is strongly recommended to backup all console data before installing new VENUE software. If you perform a System Restore, make sure to re-install your plug-ins after installing new VENUE software.*

 *For best performance, make sure you are running the latest versions of the plug-ins on your system. Find the latest plug-ins installer in your Avid account.*

System Requirements and Compatibility

Avid can only assure compatibility and provide support for hardware and software it has tested and approved. For complete system requirements and a list of qualified computers, operating systems, hard drives, Ethernet switches, media converters, other third-party devices, and versions of Pro Tools software, visit:

www.avid.com/S6Lsupport

- As of VENUE software version 5.7.1, Mac OS X 10.13 “High Sierra” is qualified for Pro Tools with S6L.
- Minimum Pro Tools version: 12.8.3 or later. Recommended Pro Tools version: Pro Tools 2018.9 or later.

For complete Pro Tools compatibility, system requirements, and required optimizations for VENUE, visit:

[What are the System Requirements for Pro Tools with S6L?](#)

Important!

Whenever you are recording or playing back to/from Pro Tools, do all of the following on the Pro Tools computer:

- Go to System Preferences > Network and disable Wi-Fi/Airport and Blue Tooth (make sure Wi-Fi is completely Off).
- Go to System Preferences > Sharing and make sure Internet Sharing is off/disabled.

WSG-HD

If your system includes an Avid WSG-HD Waves SoundGrid Option card, do not update Waves Central to v10. For more information, see [WSG-HD Waves SoundGrid](#).

VENUE Standalone Software

Be sure to manually uninstall any older versions of VENUE Standalone Software before installing v6.0.

Show File Compatibility

VENUE S6L Show files (created in VENUE software 5.x or higher) cannot be loaded onto systems running VENUE software 4.x or lower.

Issues Resolved in VENUE 6.0

- VENUE software version 6.0 includes many refinements to the way the system handles connecting to devices. Together, these refinements improve stability for the entire system and for individual devices.
- It was possible for the control surface to respond slowly while Sends on Faders Follow AFL was enabled and a channel was soloed and spilled (VSW-26330)
- It was possible that a locked snapshot would be unable to be recalled while the Confirm Snapshot Recall option was enabled in Options > Snapshots (VSW-26508)
- Double-tapping **Mute** on Mains Flex channel could cause that Mute switch to flash (VSW-26509)
- When using AES Stage inputs and Virtual Soundcheck, it was possible for discarded gain changes made while in Virtual Soundcheck mode to be applied the next time the system entered Virtual Soundcheck mode (VSW-26214)
- Aux Send Pan/Balance could be lost after copying and pasting an input strip (VSW-25658)
- It was possible for audible artifacts to occur when exiting Preview mode (VSW-25555)
- It was not possible to import events or snapshots if the number of events/snapshots in the currently loaded Show file plus the number of events/snapshots in the Show file selected as the import source exceeded 999 events (VSW-24763, VSW-23768)

Issues Resolved in Previous Versions of VENUE Software

Issues Resolved in VENUE 5.7.1

- It was possible for HDX-192 DSP cards to overheat and compromise system performance.
Solution: Avid engineers have designed a Cooling Kit for the HDX-192 DSP Card that adds a small fan assembly to the card to increase air flow and maintain optimal operating temperatures. Avid is providing these user-installable Cooling Kits free of charge (one per HDX card), and we strongly recommend that all S6L customers upgrade their systems. Depending on when you purchased your HDX-192 card(s) the Cooling Kit (Avid Part Number 9900-71328-01, HDX Shroud Upgrade) might already be installed. If any of your HDX-192 cards do not have a Fan assembly, VENUE 5.7.1 software will detect this and alert you. You can fill out the short form at the following link to receive your Cooling Kit(s) free of charge. Installation takes only a few minutes per card.

www.avid.com/hdxcoolingkit

- It was possible for Output cards to appear as unavailable in certain cases if any lower Output slots were empty (VSW-25378)
- When using VENUE software version 5.7.0 it was possible for DNT-192 Dante Option cards to not function correctly (VSW-25125)
- After importing Events it was possible to see an incorrect Show file indicated as the Current Show in Filing > Load/Save (VSW-24832)
- When adjusting any discrete control on the CKM (such as Ratio in BF76) it was possible for the change to not be indicated in the encoder display (VSW-24632)
- After assigning 2-Track Input to Monitors & Masters in Options > Misc, it was possible for the setting to become unable to be changed (VSW-25559)
- It was possible for Pro Tools AVB recording to be compromised when Wi-Fi, Blue Tooth, and Internet Sharing were not completely disabled.

Important! Whenever you are recording or playing back to/from Pro Tools, do all of the following on the Pro Tools computer:

- Go to System Preferences > Network and disable Wi-Fi/Airport and Blue Tooth (make sure Wi-Fi is completely Off).
- Go to System Preferences > Sharing and make sure Internet Sharing is off/disabled.

For complete Pro Tools compatibility, system requirements and required optimizations for VENUE, visit:

[What are the System Requirements for Pro Tools with S6L?](#)

WSG-HD Waves SoundGrid Option Card

- On systems with a WSG-HD Waves SoundGrid Option Card, it was possible for a Waves snapshot dialog to incorrectly appear after pasting plug-in settings into the same Waves plug-in (VSW-24822), or after turning a plug-in off and then back on in the SoundGrid Rack (VSW-24645)

Issues Resolved in VENUE 5.7.0

- On the MTS in Universe view, selected strips would not always blink while in Multi-Assign mode (VSW-24297)
- When in Layout Assign mode, the currently attentioned strip could incorrectly appear highlighted on the MTS (VSW-22888)
- Right-click menus did not provide **Reset to Default**, or **Channel Control** options for the following types of elements on the external screen: Aux Send level, Sidechain section, Dynamics section, and EQ (VSW-13218)
- Moving a stereo Aux would not always be reflected in **Options > Busses** or **Options > Snapshots** pages (VSW-24335)
- While in Split Banking mode, it was possible for the Soft Key banks to return to the Home page after a Make Stereo operation (VSW-13123)
- It was possible for some faders to be delayed getting to 0 dB/unity after resetting via **Default**+fader touch (VSW-18239)
- It was possible for certain Windows keyboard shortcuts to negatively affect screen resolution of the MTS and external screen (VSW-17996)
- The external screen display could describe the incorrect element within the snapshot Recall Safe grid instead of the element below the cursor position (VSW-15080)
- It was possible for the default Channel Color of Groups to be inconsistent (VSW-14734)
- When loading Show files from earlier VENUE systems, Delay II Plug-ins (such as Short Delay II, Slap Delay, Long Delay, Med Delay, and others) would not reliably be converted to Mod Delay III (VSW-13419)
- Creating or loading User Presets for Sonnox Oxford EQ could cause the E6L engine to disconnect (VSW-23480)
- It was possible for the system to appear frozen for five or more seconds when loading Input Channel Presets from a previously loaded Show file (VSW-24336)

Known Issues in VENUE 6.0

The following issues are known to exist in VENUE software version 6.0:

Compatibility

Make sure your AVB-compatible Mac and other equipment is qualified to support 128 Channel AVB with Pro Tools. Also, be sure to do all the following on the Pro Tools computer:

- Go to **System Preferences > Network**, and turn off **Wi-Fi/Airport**, and **Blue Tooth**.
- Go to **System Preferences > Sharing**, and make sure to disable **Internet Sharing**.

For complete compatibility requirements and optimization guidelines, see [System Requirements for Pro Tools with S6L](#).

Startup, Configuration, and Update/System Restore

- **Important (System Restore Note):** On some system configurations, the E6L engine will perform an additional reboot which may not be immediately apparent after pressing “A” (upper-case, Shift + A) on the keyboard and while repeatedly pressing F5 on the keyboard (VSW-26825)
Workaround: Because of this possibility, continue pressing F5 until the next screen (Windows/RTX Activation dialog) appears on your VGA monitor. For more information, see the *VENUE S6L Installation Guide.pdf*.
- It is possible, though unlikely, to experience audio spikes during boot, reboot or restart of the S6L system. Be sure to mute all connected speakers before starting up, rebooting, or restarting (VSW-14414)
- Reboot the system(s) to resolve any of the following issues that you may experience during initial startup:
 - Vary rarely, the E6L engine may lose connection to the S6L control surface soon after initial boot. Upon the devices reconnecting, audio routing may be affected (VSW-14525)
 - When two systems are configured for IO Sharing, it is possible for audio to no longer pass from Stage 64s or the S6L control surface after rebooting the Media Clock Master E6L engine (VSW-15395)
- After performing a VENUE System Restore, CTM firmware update can take over one hour. Do not power cycle the system until firmware updates are complete (VSW-14584)

- After adding or removing an AVB-192 card, it can take approximately 13 minutes to establish connection between the S6L control surface and E6L engine (VSW-15618)
Workaround: If connection hasn't completed after 2 minutes, power cycle the system.
- Network port indicators A/B on the Options > Devices page may be reversed from the actual physical connection (VSW-14020)
- E6L Engine Fan speed error may appear at low ambient temperatures. Reboot the engine once it has time to warm up (VSW-13860)
- If you use a DVI-to-HDMI cable to connect your external display, make sure the DVI cable is DVI-D 24+1 spec (VSW-26366)

I/O Sharing Configurations

- When two systems are configured for I/O Sharing and ECx is enabled, self-assigned IP addressing on ECx can cause Slave Stage units to be unavailable (VSW-25168)
Work around: Connect ECx to a valid network with DHCP, or manually assign IP addresses to ECx and other devices on network.
- When two systems are configured for I/O Sharing and the Master system reboots, it is possible for Ring 1 and Stage unit status indication to be incorrect in Options > Devices on the Slave system (VSW-26302)
- When two systems are configured for I/O Sharing, it is possible for the Media Clock Master system to not re-establish Stage slot priority in certain power up conditions (VSW-19868)
Workaround: Clear Console or power cycle both the E6L engine and S6L control surface on one or both systems.
- When two systems are configured for I/O Sharing and a Clear Console is performed on the clock Master system, it is possible for +48V to be incorrectly indicated as active on the Slave system after Stage I/O units are reconnected to the Master (VSW-25508)

Pro Tools AVB

- It is possible for Pro Tools AVB playback from OS X 10.11.6 (El Capitan) to experience clock drift or noise when the Pro Tools session has been configured for 32-bit audio. To minimize the chance of experiencing this issue, always record at 24-bit (VSW-19584)
- It is possible for inputs to remain assigned to Stage after enabling Virtual Soundcheck mode (VSW-15764)
Workaround: After assigning Stage I/O units, go to Options > System, and in the System Input section re-select the desired Pro Tools input source.
- After toggling between AVB128 and AVB64 (or vice versa) in AMS it is recommended to power cycle the E6L Engine (VSW-15833)
- When two systems are configured for I/O sharing and one is recording to Pro Tools via the MADI-192 MADI Option card, it is possible for recording to stop and the "Audio processing could not complete due to conflicts with other CPU tasks or a potential clocking issue..." message to be displayed when the other S6L system is powered up and comes online (VSW-19980)
Workaround: Click OK to dismiss the message, then start recording again.
- It is possible for Pro Tools AVB to go offline for up to 10 seconds if redundant network connections are lost (VSW-19528)

VENUE Link

- VENUE Link: If Input strips within the range of 1 to 64 (for AVB64 mode) are patched to Stage 2 or Stage 3, Pro Tools might not create tracks for those Strips using Create Session from VENUE (VSW-18231)
Workaround: Manually create tracks and assign I/O in Pro Tools.
- When using VENUE Link with MADI connections to Pro Tools | HDX or Pro Tools | HD Native it is possible for the Create Session from VENUE command to fail (PT-224719)
Workaround: Using Pro Tools 12.8 or higher, in VENUE software go to Options > System and make sure the Virtual Soundcheck Input source is set to MADI (not AVB, or Both). Also, make sure that VENUE Link is connected to Network port **C** on the S6L control surface (not the ECx port).

WSG-HD Waves SoundGrid

- At the time of this writing, Waves Central V10 is not compatible with VENUE. If the S6L **ECx** port is connected to the internet when you launch Waves Central, you will be prompted to update to Waves Central V10 with no option to Cancel (VSW-25852)
Workaround: Make sure the S6L **ECx** port is not connected to the internet when launching Waves Central.
If you accidentally do update your Waves Central to V10, you must do the following:
 1. Perform a VENUE System Restore on the S6L control surface (only) to re-install VENUE 6.0.
 2. After Activating Windows on the S6L control surface, make sure the S6L **ECx** port is not connected to the internet.
 3. Re-install all Waves components as explained in the *Waves SoundGrid for VENUE User Guide.pdf* (available from waves.com).
- When unzipping the Waves SoundGrid for VENUE installer, it is possible for installation to be interrupted with a “Copy without encryption?” message (VSW-24991)
Workaround: When prompted, click “Yes” and “Do this for all current items.” To avoid this message completely, make sure the .zip file is on your desktop before unzipping.
- Using and viewing Waves InPhase (sc) and InPhase Live (sc) plug-ins can cause the MTS to go blank and/or crash the S6L system (VSW-26499)
Important: Please un-assign these versions of InPhase from any Show files and avoid using them until further notice from Avid and Waves.
- It is possible for snapshots to recall incorrect parameter values for Waves C6 (VSW-26109)
- It is possible for Waves Tune Real Time plug-in to cause the VENUE plug-in Rack reset when loading a Show (VSW-25728)
Workaround: Make sure that no SoundGrid Rack plug-ins containing Tune Real Time plug-ins are inserted in consecutive VENUE rack slots.
- When resetting a parameter on a Waves SoundGrid Rack plug-in using from the CKM/control surface, it is possible for the parameter to reset to the value stored in the current Show file instead of the default value defined in the plug-in (VSW-25712)
Workaround: Using your computer keyboard, Alt-click on the parameter.
- While the plug-in racks are loading, do not trigger any snapshots that include SoundGrid Rack in their scope. Doing so can interrupt loading and negatively affect individual plug-ins within SoundGrid Rack (VSW-24509)
- When saving a Waves plug-in Preset by clicking **Save** in the SoundGrid Rack menu bar, it is possible for a dialog to appear “The application is not responding. The program may respond again if you wait. Do you want to end this process?” (VSW-24210)
Workaround: Click End Process.
- SoundGrid server(s) paired with one system in IO sharing will stay paired after network connections are moved to the WSG-HD card on the other S6L system, unless that server was removed via SoundGrid Inventory on the first system (VSW-23640)
- In I/O Sharing configurations, if connections between S6L systems are lost it is possible for warnings to be displayed such as Waves WSG-HD has been lost and Waves SoundGrid Server has been lost (VSW-24790)
Workaround: Wait for an appropriate break in the performance and then click Use Racks.

Plug-Ins

- Dyn3 Comp/Lim and Dyn3 Expander/Gate may cause the meters of all plug-ins to become sluggish (VSW-14044)
- In some circumstances, Pro Limiter in combination with Reverb One or Revibe can cause sluggish meters (VSW-14984)
- When Delay compensation is set to Mix & Inserts in Options > Pickoffs, inserts on Auxes will be compensated. This may cause phase issues with configurations and routing based on legacy (pre-S6L) systems (VSW-18300)
Workarounds: Turn off Mix & Inserts delay compensation (Options > Pickoffs), or remove plug-ins from affected Auxes, or manually delay affected Auxes.

Stage 64, Stage 32, Stage 16

- Sample Rate Conversion for ADAT inputs must be disabled on the Stage 64 unit only and not via VENUE software (VSW-13499)
- Indication of the Lock status of digital inputs is provided on the Stage 64 only and not via the VENUE software (VSW-13498)
- Stage 64 output mutes trigger when the control surface reconnects after power failure (VSW-13518)
- Leaving slots empty between input cards on Stage 64 can result in loss of audio from cards in higher lettered slots (VSW-17409)
Workaround: Make sure all input cards are installed in consecutive, adjacent slots.

ECx Ethernet Control

- Unsupported ECx connections can destabilize VENUE when connected to a large network (VSW-20684)

The ECx port on the S6L control surface is intended to be connected to a private network containing only S6L-compatible devices such as a laptop or tablet for remote control. Do not connect the **ECx** port directly to a LAN such as a corporate network which contains other types of devices. Doing so may disrupt the device discovery mechanisms used by some S6L components. In addition, when two systems are configured for I/O Sharing, self-assigned IP addressing on ECx can cause Slave Stage units to be unavailable, and/or to cause delays in the Plug-In Racks initializing. (VSW-23456)

Workaround: If you must connect ECx to a LAN (to, for example, access the Internet to activate the operating system on your S6L), connect a router with DHCP server capabilities between the **ECx** port and the LAN connection to isolate S6L from LAN traffic. If for some reason the **ECx** port was connected directly to a LAN, you must disconnect from the LAN and then restart the control surface before using the S6L system (to restart the control surface go to Options > Devices, hold down Alt+Shift and press SHUT DOWN).

General

- It is possible for some fader strips to flash unexpectedly in the MTS Universe view after entering Multi-Assign mode (VSW-26513)

About System Test

- Beginning in VENUE 5.5.1 the previously available Run System Test command is no longer available in the Options > System page (VSW-19832)

Updating MADI Card Firmware

If you have installed one or more MADI-192 MADI Option Cards in your E6L engine and on startup you encounter the message that the firmware needs to be updated, use this procedure to update the firmware on the MADI card(s).

To update MADI-192 MADI Option Card firmware:

- 1 Shut down your system, and power off all components.
- 2 Connect a VGA monitor and USB keyboard and mouse to your E6L engine.
- 3 Power on your E6L engine, and repeatedly press F5 on the keyboard while the engine starts up.
- 4 Close the window that appears on screen to show the Desktop.
- 5 Double-click the Update MADI Firmware icon on the Desktop.
- 6 Follow the on-screen instructions to update the firmware on your MADI-192 MADI Option Cards.
When the firmware update completes, the E6L engine shuts down (indicated by the front-panel System LED going dark, and the Status LED lighting amber).
- 7 After the E6L engine shuts down, do the following:
 - Disconnect power from the E6L and wait at least 30 seconds.
 - Make sure to disconnect the VGA monitor, mouse, and keyboard.
- 8 Power your system back on.



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