



Stage 64 I/O Card Installation Guide

for VENUE | S6L Systems

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003, 192 Digital I/O, 192 I/O, 96 I/O, 96i I/O, Adrenaline, AirSpeed, ALEX, Alienbrain, AME, AniMatte, Archive, Archive II, Assistant Station, AudioPages, AudioStation, AutoLoop, AutoSync, Avid, Avid Active, Avid Everywhere, Avid Advanced Response, Avid DNA, Avid DNxcel, Avid DNxHD, Avid DS Assist Station, Avid Ignite, Avid Liquid, Avid Media Engine, Avid Media Processor, Avid MEDIArray, Avid Mojo, Avid Remote Response, Avid Unity, Avid Unity ISIS, Avid VideoRAID, AvidRAID, AvidShare, AVIDstripe, AVX, Beat Detective, Beauty Without The Bandwidth, Beyond Reality, BF Essentials, Bomb Factory, Bruno, C|24, CaptureManager, ChromaCurve, ChromaWheel, Cineractive Engine, Cineractive Player, Cineractive Viewer, Color Conductor, Command|8, Control|24, Cosmonaut Voice, CountDown, d2, d3, DAE, D-Command, D-Control, Deko, DekoCast, D-Fi, D-fx, Digi 002, Digi 003, DigiBase, Digidesign, Digidesign Audio Engine, Digidesign Development Partners, Digidesign Intelligent Noise Reduction, Digidesign TDM Bus, DigiLink, DigiMeter, DigiPanner, DigiProNet, DigiRack, DigiSerial, DigiSnake, DigiSystem, Digital Choreography, Digital Nonlinear Accelerator, DigiTest, DigiTranslator, DigiWear, DINR, DNxchange, Do More, DPP-1, D-Show, DSP Manager, DS-StorageCalc, DV Toolkit, DVD Complete, D-Verb, Eleven, EM, Euphonix, EUCON, EveryPhase, Expander, ExpertRender, Fairchild, FastBreak, Fast Track, Film Cutter, FilmScribe, Flexevent, FluidMotion, Frame Chase, FXDeko, HD Core, HD Process, HDpack, Home-to-Hollywood, HyperSPACE, HyperSPACE HDCAM, iKnowledge, Impact, Improv, iNEWS, iNEWS Assign, iNEWS ControlAir, InGame, Instantwrite, Instinct, Intelligent Content Management, Intelligent Digital Actor Technology, IntelliRender, Intelli-Sat, Intelli-Sat Broadcasting Recording Manager, InterFX, Interplay, inTONE, Intraframe, iS Expander, iS9, iS18, iS23, iS36, ISIS, IsoSync, LaunchPad, LeaderPlus, LFX, Lightning, Link & Sync, ListSync, LKT-200, Lo-Fi, MachineControl, Magic Mask, Make Anything Hollywood, make manage move|media, Marquee, MassivePack, MassivePack Pro, Maxim, Mbox, Media Composer, MediaFlow, MediaLog, MediaMix, Media Reader, Media Recorder, MEDIArray, MediaServer, MediaShare, MetaFuze, MetaSync, MIDI I/O, Mix Rack, Moviestar, MultiShell, NaturalMatch, NewsCutter, NewsView, NewsVision, Nitris, NL3D, NLP, NSDOS, NSWIN, OMF, OMF Interchange, OMM, OnDVD, Open Media Framework, Open Media Management, Painterly Effects, Palladium, Personal Q, PET, Podcast Factory, PowerSwap, PRE, ProControl, ProEncode, Profiler, Pro Tools, Pro Tools|HD, Pro Tools LE, Pro Tools M-Powered, Pro Transfer, QuickPunch, QuietDrive, Realtime Motion Synthesis, Recti-Fi, Reel Tape Delay, Reel Tape Flanger, Reel Tape Saturation, Reprise, Res Rocket Surfer, Reso, RetroLoop, Reverb One, ReVibe, Revolution, rS9, rS18, RTAS, Salesview, Sci-Fi, Scorch, ScriptSync, SecureProductionEnvironment, Shape-to-Shape, ShuttleCase, Sibelius, SimulPlay, SimulRecord, Slightly Rude Compressor, Smack!, Soft SampleCell, Soft-Clip Limiter, SoundReplacer, SPACE, SPACESHift, SpectraGraph, SpectraMatte, SteadyGlide, Streamfactory, Streamgenie, StreamRAID, SubCap, Sundance, Sundance Digital, SurroundScope, Symphony, SYNC HD, SYNC I/O, Synchronic, SynchroScope, Syntax, TDM FlexCable, TechFlix, Tel-Ray, Thunder, TimeLiner, Titansync, Titan, TL Aggro, TL AutoPan, TL Drum Rehab, TL Everyphase, TL Fauxlder, TL In Tune, TL MasterMeter, TL Metro, TL Space, TL Utilities, tools for storytellers, Transit, TransJammer, Trillium Lane Labs, TruTouch, UnityRAID, Vari-Fi, Video the Web Way, VideoRAID, VideoSPACE, VTEM, Work-N-Play, Xdeck, X-Form, and XMON are either registered trademarks or trademarks of Avid Technology, Inc. in the United States and/or other countries. The Interplay name is used with the permission of the Interplay Entertainment Corp. which bears no responsibility for Avid products. All other trademarks are the property of their respective owners.

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Product features, specifications, system requirements, and availability are subject to change without notice.

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Safety Compliance

Safety Statement

This equipment has been tested to comply with USA and Canadian safety certification in accordance with the specifications of UL Standards: UL60065 7th /IEC 60065 7th and Canadian CAN/CSA C22.2 60065:03. Avid Inc., has been authorized to apply the appropriate UL & CUL mark on its compliant equipment.

Warning



Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Only perform the services explicitly described in the install and or user manual. For services or procedures not outlined in the install or user manual, speak with authorized service personnel.
- 6) Do not use this equipment near water.
- 7) Clean only with dry cloth.
- 8) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 9) Do not install near any heat sources such as radiators, heat registers, stoves, or other equipment (including amplifiers) that produce heat.
- 10) 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.
- 11) Protect power cords from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the equipment.
- 12) Only use attachments/accessories specified by the manufacturer.
- 13) 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.
- 14) Unplug this equipment during lightning storms or when unused for long periods of time.
- 15) 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.
- 16) 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.
- 17) For products containing a lithium battery:
CAUTION! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- 18) The power inlet is the main disconnect device and should remain accessible. Disconnect the power cord before servicing the unit.
- 19) The equipment shall be used at a maximum ambient temperature of 40° C.
- 20) Disconnect power from mains before opening the product

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Overview

This guide provides instructions for installing the following I/O cards in VENUE | Stage 64 I/O racks:

- SRI-192 Analog Input card
- DSI-192 Digital Input card
- SRO-192 Analog Output card
- DSO-192 Digital Output card

Stage 64 supports installation of up to eight input cards (providing a maximum of 64 input channels) and up to four output cards (providing a maximum of 32 output channels). Installation is the same for each of these cards.

 *For instructions on installing and connecting the ANO A-Net Option card, see the documentation included in its package.*

Stage 64 I/O Card Features and Capabilities

SRI-192 Analog Input Card

- Eight channels of analog mic/line inputs via XLR-3 female connectors
- +48V phantom power, 20 dB pad, and phase reverse (all selectable per channel via the control surface and VENUE software)
- Signal and phantom power LEDs for each channel
- 24-bit A/D conversion, up to 192 kHz sample rate

DSI-192 Digital Input Card

- Eight channels of digital inputs via four two-channel AES/EBU XLR3-female connectors or a single ADAT TOSLINK optical connector
- Automatic sample rate conversion (SRC) and detection on input; manually defeatable for lowest possible input latency
- SRC and Lock status LEDs for both AES and ADAT connections
- Word clock output for synchronizing external digital devices

SRO-192 Analog Output Card

- Eight channels of analog line outputs via male XLR-3 connectors
- Automatic muting for system protection
- Signal and Mute LEDs for each channel
- 24-bit D/A conversion

DSO-192 Digital Output Card

- Eight channels of digital outputs via four two-channel AES/EBU XLR3-male connectors and/or a single ADAT TOSLINK optical connector
- Simultaneous output to both AES/EBU outputs and ADAT optical output
- Automatic muting for system protection
- Signal and Mute LEDs for each AES/EBU channel pair

What's Included

I/O card packages includes the following items:

- I/O card
- Health and Safety guide
- Avid Registration card
- Warranty claims card
- This guide

System Requirements and Compatibility

Avid can only assure compatibility and provide support for hardware and software it has tested and approved.

- SRI-192, DSI-192, SRO-192, and DSO-192 cards are compatible with Stage 64 I/O racks connected to VENUE | S6L systems running VENUE software 5.0 and higher.

For complete system requirements and other compatibility information, www.avid.com/compatibility.

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.

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/US/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/US/Support/index.html>

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:

<https://www.avid.com/US/resources/live-sound-webinar-registration>

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/US/Products/index.html>

Installing and Confirming I/O Cards

This section shows how to install an I/O card in the Stage 64 I/O rack and confirm installation. For operational information, see the *VENUE | S6L System Guide*.

Installing I/O Cards in the Stage 64

To install an SRI, SRO, DSI, or DSO card:

- 1 Shut down your VENUE system and power down your Stage 64.
- 2 Disconnect all cables from your Stage 64.
- 3 Remove the back panel of your Stage 64 by loosening the eight captive thumbscrews completely, using a #2 Philips screwdriver if necessary, and set the panel aside.



Figure 1. Stage 64 back panel captive thumbscrews

- 4 On the front of the Stage 64, locate the slot where you want to install the input or output card. Each slot is lettered, and corresponds to the card slot shown along the top of the VENUE Patchbay patching grid, depending on the type of card installed (input or output card). Observe the following requirements when installing I/O cards in Stage 64:

Input Cards (SRI and DSI) Are installed in slots A–H.

Output Cards (SRO and DSO) Are installed in slots J–M.

- 5 Remove the blank card slot cover by unscrewing the two Philips head screws that secure the cover to the Stage 64.

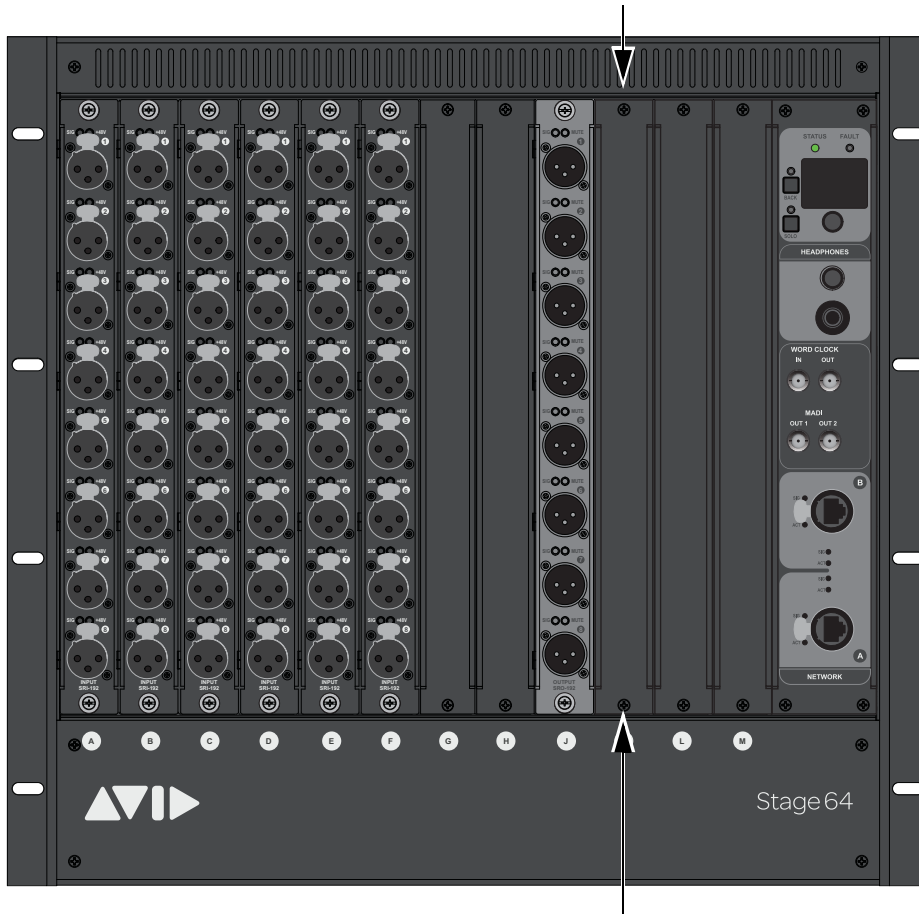


Figure 2. Blank card slot cover on the front of the Stage 64

- 6 Remove the I/O card from its packing material and hold the card by its edges, making sure the latches on the port on the back of the card are pushed inward.

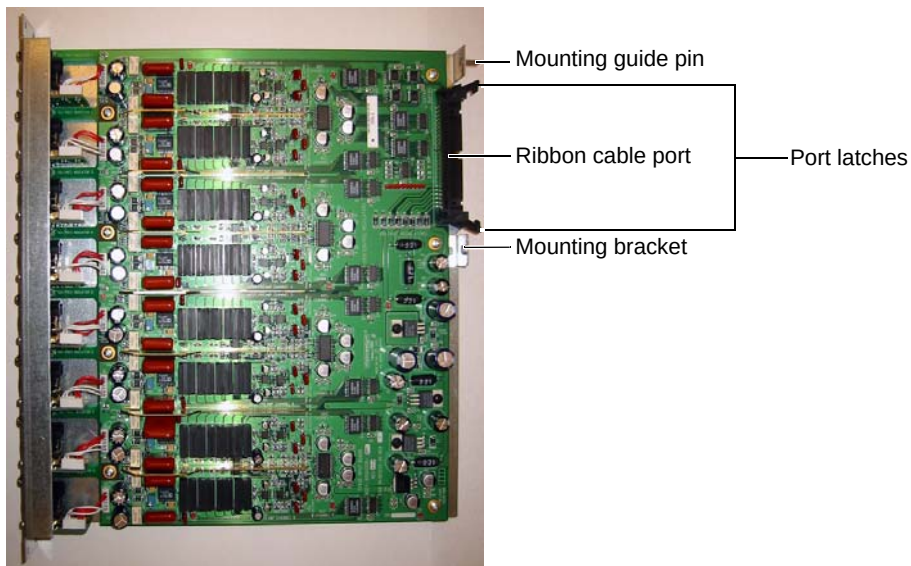


Figure 3. Stage 64 I/O card showing brackets and connector

- 7 Gently slide the card into the slot (Figure 4), making sure that inside the Stage 64 the pin at the top of the back of the card aligns with the corresponding guide hole on the chassis (Figure 5).



Figure 4. Sliding the card into the Stage 64 (SRO card shown)

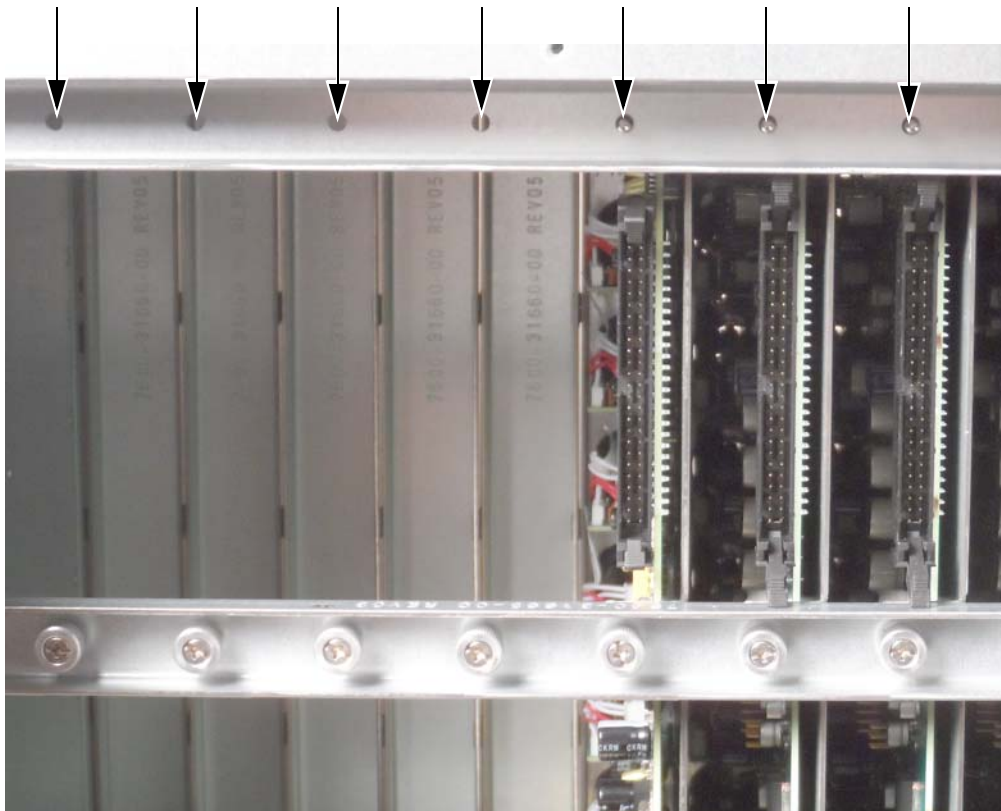


Figure 5. Guide pins and guide holes inside the Stage 64

- 8 Push the card into the slot so it is flush with the front panel, and tighten the two captive thumbscrews on the front of the card to secure it to the Stage 64.

 If the card does not slide all the way into the slot, make sure the latches on the port of the card are pushed fully inward.



Figure 6. Tightening the front captive thumbscrews

- 9 Inside the back of the Stage 64, tighten the single captive thumbscrew to secure the card to the chassis.



Figure 7. Securing the card to the Stage 64 chassis

- 10 On the card, push the latches outward.

- 11 Locate the corresponding ribbon cable (all ribbon cables in the Stage 64 are cut to length), and push the cable connector into the port on the card so that the latches on the port move inward and lock the connector to the port on the card. Double-check to make sure the card is connected securely.

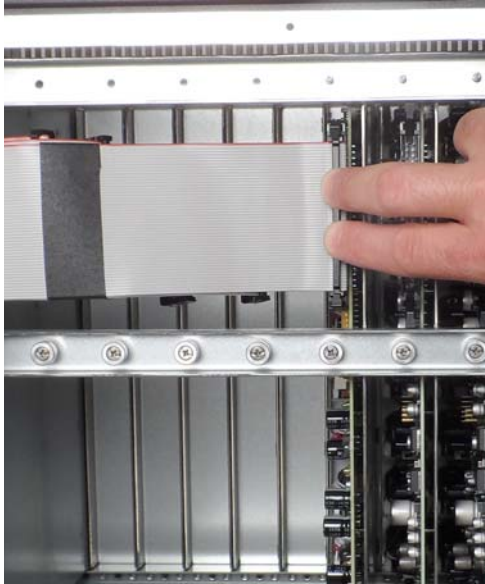


Figure 8. Connecting the I/O card to its corresponding ribbon cable

- 12 After all cards have been installed, replace the back panel, making sure to properly align the guide pins on the back panel to the guide holes, and secure it to the Stage 64 by tightening the captive thumbscrews.

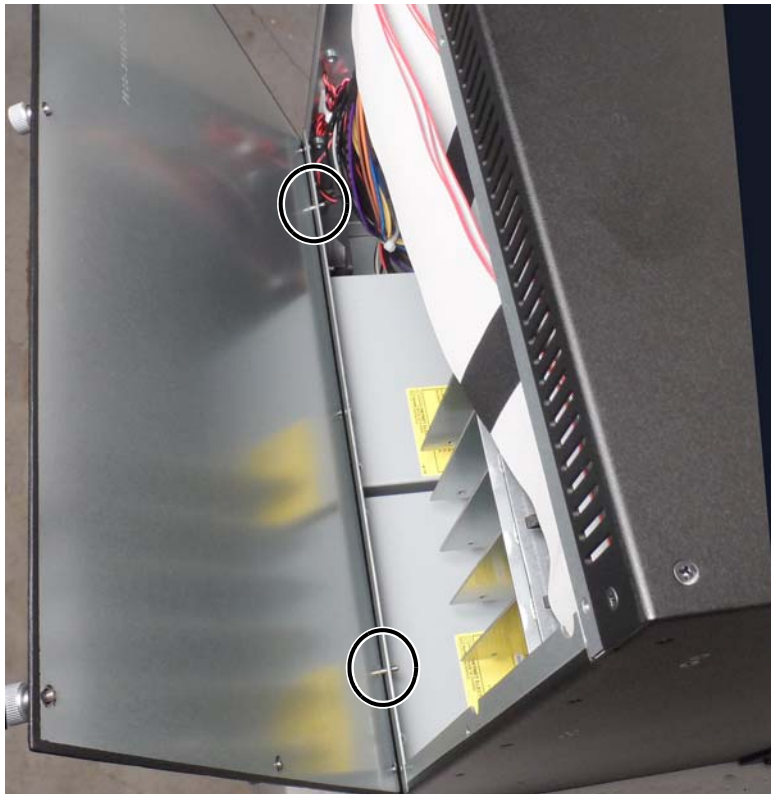


Figure 9. Back panel guide pins

- 13 Proceed to “Confirming Installation” on page 10.

Confirming Installation

After you have installed an I/O card, you should confirm that you have installed it properly.

To complete and confirm installation:

- 1 Connect the power cables to the Stage 64 and to a power source.
- 2 Connect the Stage 64 to the rest of your S6L system.
- 3 Power on your Stage 64 and the rest of the components of your S6L system.
- 4 In the VENUE software screen, go to the Options > Devices page.
- 5 In the Available Devices or Connected Devices columns, tap the icon of the Stage 64 in which you installed the I/O card so it is highlighted in blue.
- 6 Under Information, tap Settings. The I/O card slots of the selected Stage 64 are listed, showing the cards that are currently installed. Slots without cards are indicated as empty.

The newly installed Stage 64 I/O card should appear in the slot in which you installed the card.



For instructions on using the Stage 64, see the VENUE | S6L System Guide, included with the S6L system software in your Avid account.

Compliance Information

Environmental Compliance

Disposal of Waste Equipment by Users in the European Union



This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.

Proposition 65 Warning

⚠ *This product contains chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.*

Perchlorate Notice

This product may contain a lithium coin battery. The State of California requires the following disclosure statement: "Perchlorate Material – special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate."

Recycling Notice



EMC (Electromagnetic Compliance)

This model Artist Mix complies with the following standards regulating interference and EMC:

- FCC Part 15 Class B
- EN 55022 Class B
- EN 55024 Class B
- AS/NZS CISPR 22 Class B
- CISPR 22 Class B

FCC Compliance for United States

Radio and Television Interference

Communication Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any modifications to the unit, unless expressly approved by Avid, could void the user's authority to operate the equipment.

Australian Compliance



Canadian Compliance

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

CE Compliance

(EMC, Safety, and ROHS)



Avid is authorized to apply the CE (Conformite Européenne) mark on this compliant equipment thereby declaring conformity to EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EC..

Korean EMC Compliance

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