

SRI Option Card

For Digidesign VENUE Stage Rack

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email: techpubs@digidesign.com

Communications and Safety Regulation Information

Compliance Statement

This model Digidesign SRI Option Card complies with the following standards regulating interference and EMC:

- FCC Part 15 Class B
- EN 55103-1 E3
- EN 55103-2 E3
- AS/NZS 3548 Class B
- CISPR 22 Class B

Radio and Television Interference

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.

DECLARATION OF CONFORMITY

We Digidesign,

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declare under our sole responsibility that the product

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complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 locate 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.

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**Tested To Comply
with FCC Standards**

FOR HOME OR OFFICE USE

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

Canadian Compliance Statement:

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Australian Compliance



ACN 069 650 120

European Compliance



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Chapter 1: Overview

The SRI (Stage Rack Input) card provides eight channels of software controlled, fully recallable analog mic/line inputs to the Digidesign® VENUE Stage Rack.

Up to six SRI cards may be installed in the Stage Rack, providing a total of 48 channels of analog mic/line inputs to your VENUE system.

For SRI card installation instructions, see Chapter 2, “Installing Option Cards.”

 For audio and synchronization connections and operational instructions, see the D-Show Guide.

SRI Card Components

The SRI card package includes the following items:

- SRI card
- Mounting screws
- Digidesign Registration Information Card

SRI Card Capabilities and Features

- Eight channels of analog mic/line level inputs via XLR3-male connectors
- 24-bit sigma-delta analog-to-digital converters
- 20 dB pad (selectable per channel via D-Show software)
- +48V phantom power (selectable per channel via D-Show software)
- Signal presence and phantom power LEDs
- Polarity invert (selectable per channel via D-Show software)



SRI card

Conventions Used in This Guide

All Digidesign guides use the following conventions to indicate menu choices and key commands in D-Show and Pro Tools:

Convention	Action
File > Save Session	In Pro Tools, choose Save Session from the File menu
Options > System Config	In the D-Show software screen, click Options to display the Options page, then click the System Config tab.
Ctrl+N	Hold down the Control key and press the N key
Ctrl-click	Hold down the Control key and click the mouse button

The following symbols are used to highlight important information:

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

 *Important Notices include information that could affect data or performance.*

 *Shortcuts show you useful keyboard or mouse shortcuts.*

 *Cross References point to related sections in the D-Show or Pro Tools Guides.*

Chapter 2: Installing Option Cards

This chapter provides instructions for installing option cards in a Stage Rack. The following option cards can be installed in a Stage Rack:

SRI Stage Rack Input Card Provides eight analog mic/line inputs.

DSI Digital Stage Input Card Provides eight digital inputs.

SRO Stage Rack Output Card Provides eight analog line outputs.

DSO Digital Stage Output Card Provides eight digital outputs.

ANO A-Net Output Card Provides 16 channels of outputs to Aviom® Pro16™ personal mixers and devices.

Installation is the same regardless of the type of Stage Rack option card, with the exception of the ANO A-Net card. Up to six input cards of either type can be installed in slots A–F, and up to six DSO or SRO output cards of either type can be installed in slots G–M.

 For information on installing and using the ANO A-Net card, see the A-Net Output Card Guide.

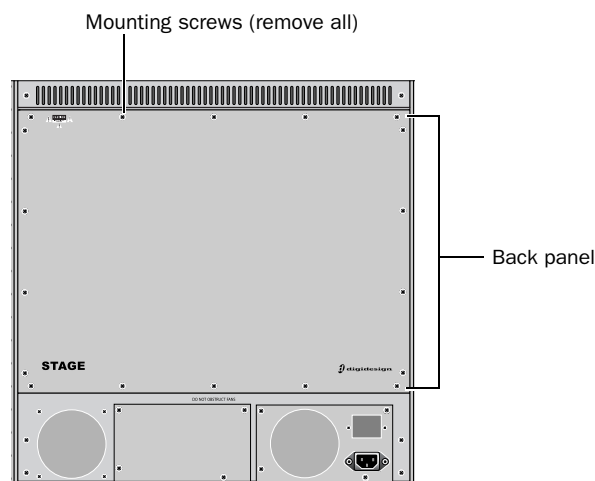
Installing Option Cards in a Stage Rack

Stage Rack option cards are installed in a Stage Rack and connected to ribbon cables in the Stage Rack.

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

- 1 Shut down your system.
- 2 Power down your Stage Rack.
- 3 Disconnect all cables from the Stage Rack.

- 4 Remove the Stage Rack back panel cover by unscrewing its mounting screws (#1 Phillips).



Stage Rack main back panel

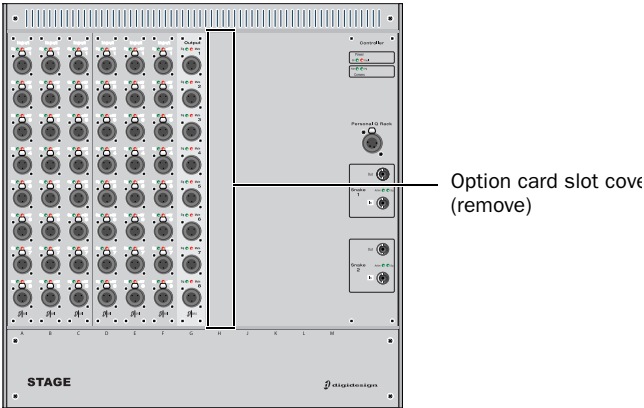
- 5 On the front panel of the Stage Rack, locate the slot where you want to install the input or output card.

Input Option Cards SRI or DSI cards may be installed in slots A–F only.

Output Option Cards SRO or DSO cards may be installed in slots G–M only.

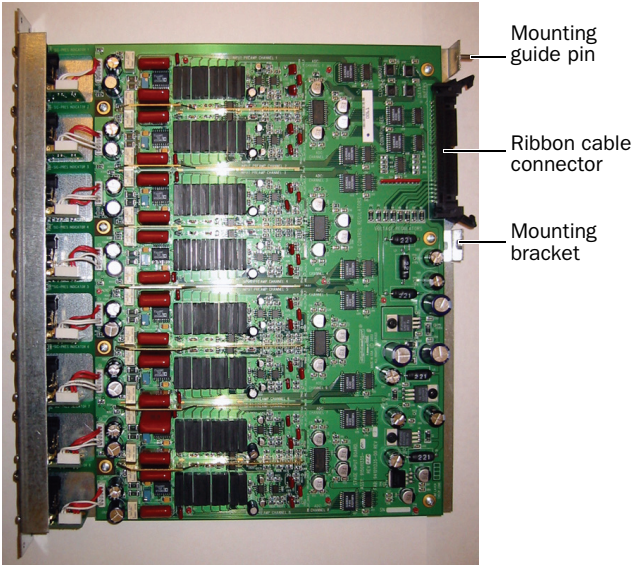
Up to six input cards of either type can be installed in slots A–F, and up to six output cards of either type can be installed in slots G–M.

6 Remove the card slot cover by removing the four screws holding it in place. Keep the screws nearby for securing the option card to the Stage Rack later.



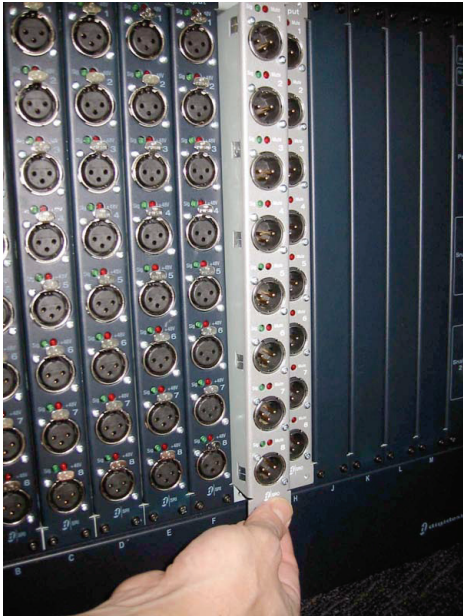
Stage Rack front panel

7 Remove the option card from its packing material. Hold the card by its edges.



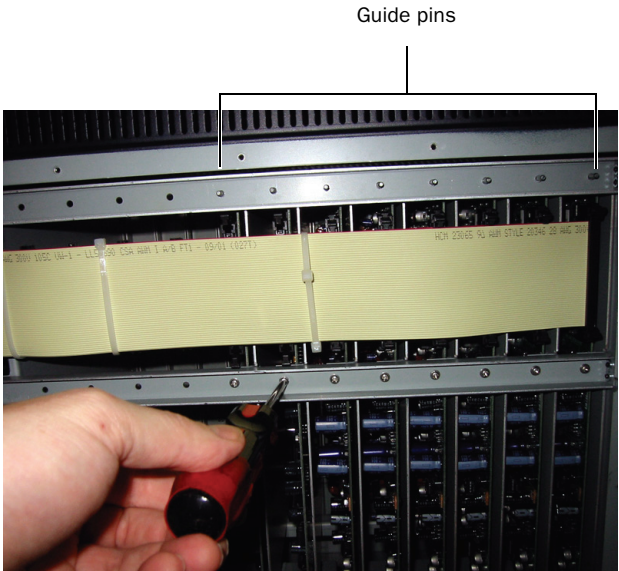
Stage Rack option card showing brackets and connector

8 Gently slide the card into the option option card slot. Use two hands, one to guide the card from the back of the Stage Rack, and the other to push the card in from the front of the Stage Rack. Align the guide pin at the top rear of the card with the corresponding hole in the back of the Stage Rack chassis.



Installing a Stage Rack option card in the Stage Rack (SRO card shown)

9 When the card is seated in its slot, secure it to the Stage Rack chassis from the back of the Stage Rack with a provided mounting screw.



Securing a Stage Rack option card to the Stage Rack chassis

- 10 Secure the Stage Rack option card to the front panel of the Stage Rack using four provided mounting screws.



Securing a Stage Rack option card to the Stage Rack front panel (SRO card shown)

- 11 Connect the Stage Rack option card to its corresponding ribbon cable connector. Make sure the pins are oriented correctly. Secure the connection by moving the retaining clips on each side of the connector inward. Check to make sure the cable is connected securely.



Connecting a Stage Rack option card to the Stage Rack ribbon cable

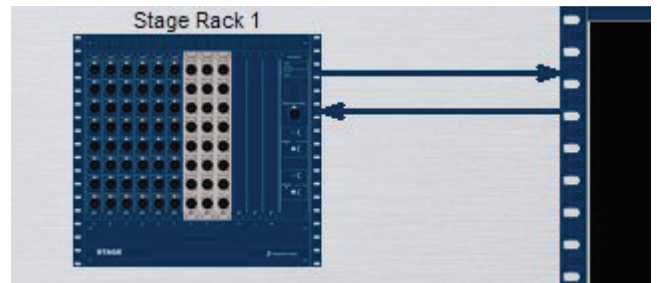
Confirming Installation

After you have installed an option card, you should confirm that you have installed it properly. You can confirm installation by checking your system's hardware status.

To complete and confirm installation:

- 1 Reattach the Stage Rack's back panel.
- 2 Reconnect the power, Snake cable, and any audio cables to the Stage Rack.
- 3 Turn on your system.
- 4 Go to the Options page and click the Devices tab to view your system hardware status. The newly installed Stage Rack option card should appear in the Stage Rack graphic.

The newly installed card inputs or outputs should also become available in the corresponding "Stage" tab in the Patchbay.



Detail of Devices page

 For audio and synchronization connections and operational instructions, see the D-Show Guide.

Chapter 3: Specifications

Audio Specifications

SRI Analog Mic/Line Inputs

Parameter	Specifications	Limit	Units	Condition/ Comment
Type	Balanced, XLR3-Female			
Gain	+10 to +60		dB	6 dB analog steps with 0.1 dB digital increments and crossfade at analog relay switch point
Max Input Level	+34		dBu	Pad ON
Pad	20		dB	
Input Impedance, pad OFF	10 k		Ohm	Balanced
Input Impedance, pad ON	4 k		Ohm	Balanced
Phantom Power	+48		VDC	10 mA max per channel
EIN	-126	max	dBu	Max gain, 150 ohm source, 22 Hz-20 kHz BW, unweighted
THD + N	0.003		%	Minimum gain, pad OFF, -1 dBFS output, 20 HZ – 20 kHz BW
A/D Converter Latency	0.25		ms	Fs=48kHz

All measurements at Fs=48 kHz with 150 Ohm source impedance and 600 Ohm load impedance, unless otherwise specified.

0 dBu = 0.775Vrms.