



FWx FireWire Card

for VENUE Systems

Legal Notices

This guide is copyrighted ©2012 by Avid Technology, Inc., (hereafter "Avid"), with all rights reserved. Under copyright laws, this guide may not be duplicated in whole or in part without the written consent of Avid.

003, 96 I/O, 96i I/O, 192 Digital I/O, 192 I/O, 888|24 I/O, 882|20 I/O, 1622 I/O, 24-Bit ADAT Bridge I/O, AudioSuite, Avid, Avid DNA, Avid Mojo, Avid Unity, Avid Unity ISIS, Avid Xpress, AVoption, Axiom, Beat Detective, Bomb Factory, Bruno, C|24, Command|8, Control|24, D-Command, D-Control, D-Fi, D-fx, D-Show, D-Verb, DAE, Digi 002, DigiBase, DigiDelivery, Avid, Digidesign Audio Engine, Digidesign Intelligent Noise Reduction, Digidesign TDM Bus, DigiDrive, DigiRack, DigiTest, DigiTranslator, DINR, DV Toolkit, EditPack, Eleven, EUCON, HD Core, HD I/O, HD MADI, HD OMNI, HD Process, Hybrid, Impact, Interplay, LoFi, M-Audio, MachineControl, Maxim, Mbox, MediaComposer, MIDI I/O, MIX, MultiShell, Nitris, OMF, OMF Interchange, PRE, ProControl, Pro Tools M-Powered, Pro Tools, Pro Tools|HD, Pro Tools|HD Native, QuickPunch, Recti-Fi, Reel Tape, Reso, Reverb One, ReVibe, RTAS, Sibelius, Smack!, SoundReplacer, Sound Designer II, Strike, Structure, SYNC HD, SYNC I/O, Synchronic, TL Aggro, TL AutoPan, TL Drum Rehab, TL Everyphase, TL Fauxlder, TL In Tune, TL MasterMeter, TL Metro, TL Space, TL Utilities, Transfuser, Trillium Lane Labs, Vari-Fi, Velvet, X-Form, and XMON are trademarks or registered trademarks of Avid Technology, Inc. Xpand! is Registered in the U.S. Patent and Trademark Office. All other trademarks are the property of their respective owners.

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

Guide Part Number 9320-65057-00 REV A 2/12

Documentation Feedback

At Avid, we are always looking for ways to improve our documentation. If you have comments, corrections, or suggestions regarding our documentation, email us at techpubs@avid.com.

Contents

Chapter 1. Overview	1
What's Included	1
FWx Capabilities and Features	1
System Requirements and Compatibility	1
Registration	2
Conventions Used in This Guide	2
About www.avid.com	2
Chapter 2. Installing FWx	3
Installing in FOH Rack	3
Installing in Mix Rack	5
Confirming FWx Card Installation	7
Installing Pro Tools	8
Powering Up and Powering Down a VENUE System and Pro Tools	8
Chapter 3. Using FWx	9
Overview	9
VENUE Signal Routing for FWx Recording	9
VENUE Signal Routing for FWx Playback	11
Using Synchronization and Time Code with FWx	11
Appendix A. Compliance Information	13
Environmental Compliance	13
EMC (Electromagnetic Compliance)	13
Safety Compliance	14

Chapter 1: Overview

FWx FireWire Option card provides 32 channels of direct Pro Tools connectivity to VENUE D-Show systems, VENUE Profile systems, VENUE Mix Rack systems, and VENUE SC48.

Using FWx, you can record and archive live performances, and integrate pre-recorded Pro Tools tracks into your live mix.

 *FWx is preinstalled in all SC48 systems.*

What's Included

The FWx package includes the following items:

- FWx card (installs into the VENUE FOH Rack and Mix Rack)
- FWx card ribbon cable
- Pro Tools software
- Registration Information Card
- FireWire cable (six-pin 1394)

FWx Capabilities and Features

FWx provides the following features:

- Direct digital connection (24-bit, 48 kHz) between your VENUE system and a computer running Pro Tools software
- Recording of up to 32 channels of digital audio directly to Pro Tools (Mac or Windows)
- Playback of up to 32 channels of Pro Tools audio through your VENUE system
- A standard FireWire cable connection

 *FOH Rack and Mix Rack support the installation of one FWx card.*

 *An FWx card cannot be installed and used simultaneously with an HDx Option card or a MADI Option card.*

System Requirements and Compatibility

The following are required to use FWx with your installed and configured VENUE system:

- A compatible computer with a FireWire port and a DVD drive
- A compatible version of Pro Tools version 10.0 or higher

 *32 channels of simultaneous Pro Tools I/O requires the most recent Pro Tools hardware drivers for FWx, and the latest FWx firmware update. See “Installing Pro Tools” on page 8.*

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 Avid-qualified computers, operating systems, hard drives, and third-party devices, visit www.avid.com/compatibility.

Registration

Review the enclosed Registration Information Card and follow the instructions on it to quickly register your purchase online. By registering, you become eligible to receive the following:

- Technical support information
- Software update and upgrade notices
- Hardware warranty information

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 page, 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.

About www.avid.com

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

Product Registration Register your purchase online.

Support and Downloads Contact Customer Success (technical support); download software updates and the latest online manuals; browse the Compatibility documents for system requirements or search the online Knowledgebase.

Training and Education Study on your own using courses available online or find out how you can learn in a classroom setting at a certified Avid training center.

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

News and Events Get the latest news from Avid or sign up for a product demo.

Pro Tools Accelerated Videos Watch the series of free tutorial videos. Accelerated Videos are designed to help you get up and running with Pro Tools and its plug-ins quickly.

Live Sound Webinars Watch free tutorial videos and VENUE-specific webinars to learn from the experts.

To learn more about these and other resources available from Avid, visit our website (www.avid.com).

Chapter 2: Installing FWx

This chapter provides information on installing the FWx card in the following VENUE hardware:

- FOH Rack (see “Installing in FOH Rack” on page 3)
- Mix Rack (see “Installing in Mix Rack” on page 5)

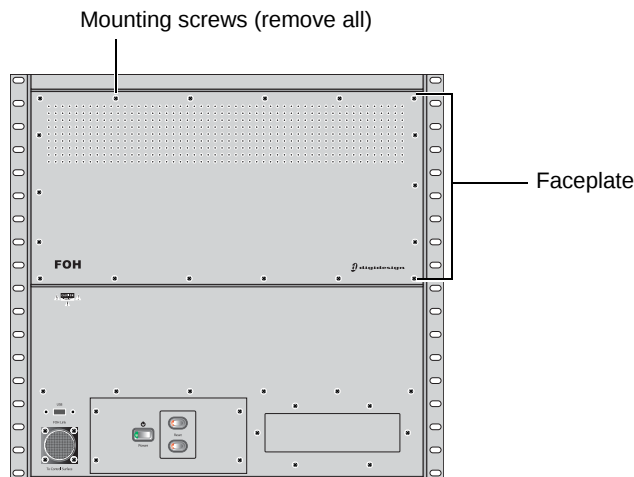
For Pro Tools installation and compatibility information, see “Installing Pro Tools” on page 8.

Installing in FOH Rack

The FWx card is installed in an FOH Rack expansion slot. Only one FWx card can be installed in an FOH Rack.

To install the FWx card in the FOH Rack:

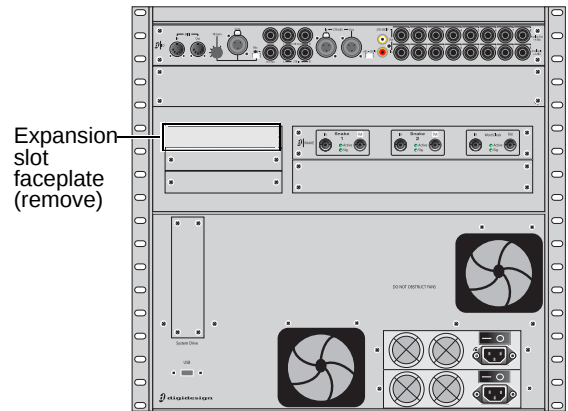
- 1 Shut down your sound system.
- 2 Power down your FOH Rack.
- 3 Disconnect all power, audio, FOH Link, and any MIDI cables attached to the FOH Rack.
- 4 Remove the front panel faceplate by unscrewing its mounting screws (#1 Phillips). Keep the screws nearby for remounting the front panel later.



Front panel of the FOH Rack

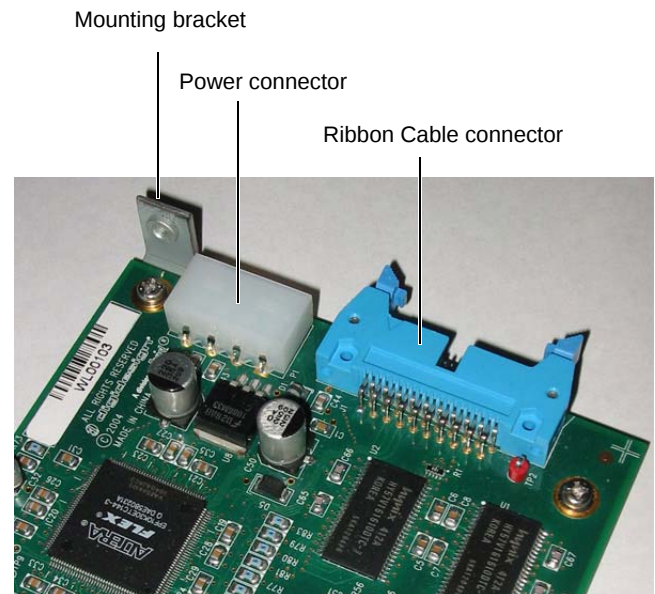
- 5 If your system has an HDx TDM Option card installed, disconnect its ribbon cable and remove the card.

- 6 On the back panel of the FOH Rack, remove the faceplate on any available expansion slot by removing the screws holding it in place. Keep the screws nearby for securing the FWx card to the FOH Rack later.



Back panel of the FOH Rack

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



FWx card showing bracket and connectors

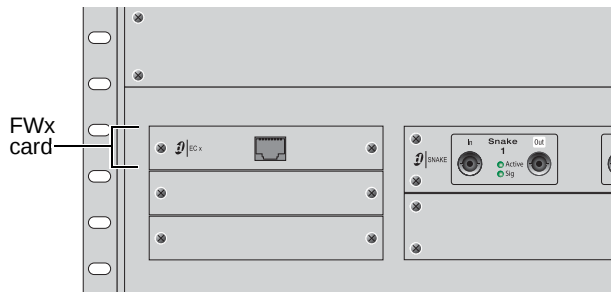
8 Gently slide the card into the expansion slot. Make sure it is oriented right-side up.



Installing the FWx card in the FOH Rack

9 When the card is seated in its slot, secure it to the FOH chassis with the mounting screw at the end of the FWx mounting bracket (accessible from the open front panel of the FOH Rack).

10 Secure the FWx card to the back panel of the FOH Rack using the two screws that held the faceplate.

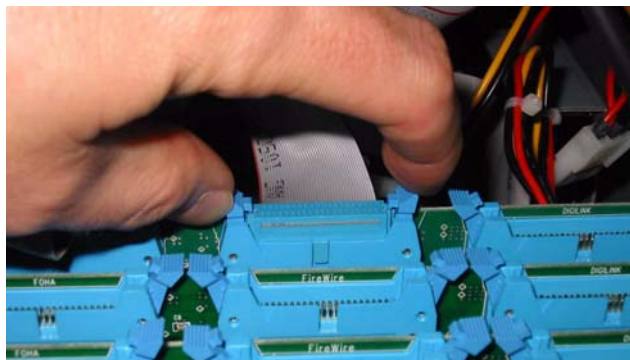


Securing the FWx card to the back panel of the FOH Rack

11 Attach an available internal power cable plug to the power socket on the FWx card by holding the socket on the FWx and pushing the plug firmly into the socket.

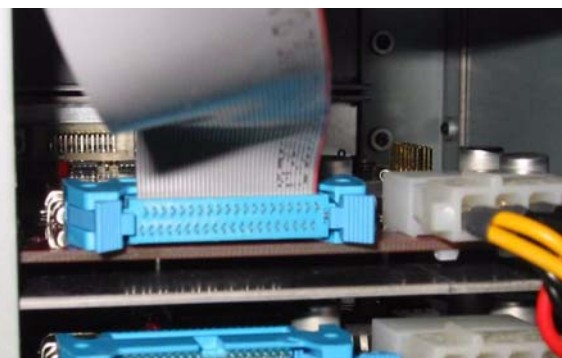
When the power cable plug is correctly attached to the FWx card, the yellow wire should be the first wire from the left.

12 Attach the included ribbon cable to the ribbon connector socket labelled “FireWire” on the first Mix Engine card (the rear most card when viewed from the open front panel). Make sure that the ribbon cable connector’s notch is facing you when attaching the connector.



Attaching the ribbon cable to the Mix Engine card

13 Attach the other end of the ribbon cable to the ribbon connector socket on the FWx card. Make sure that the notch on the ribbon cable connector is facing upwards when attaching the cable.



Attaching the ribbon cable to the FWx card

14 Reattach the FOH Rack faceplate using its screws.

15 Reconnect power, audio, FOH Link, and any MIDI cables to the FOH Rack.

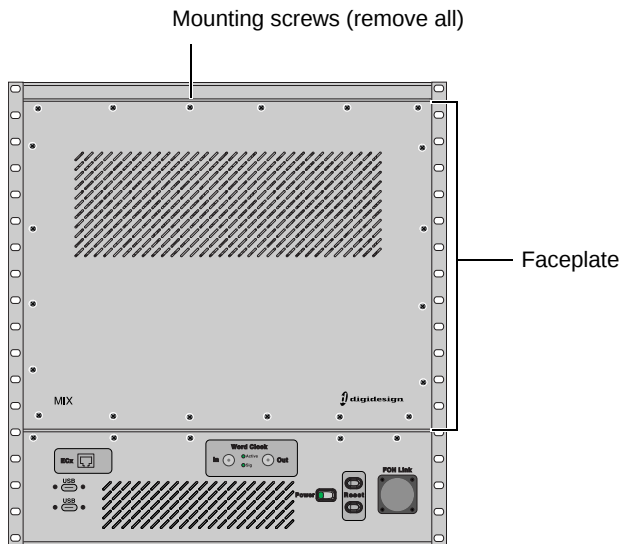
16 Power on all system components. Proceed to “Confirming FWx Card Installation” on page 7.

Installing in Mix Rack

The FWx card is installed in a Mix Rack expansion slot. Only one FWx card can be installed in an FOH Rack.

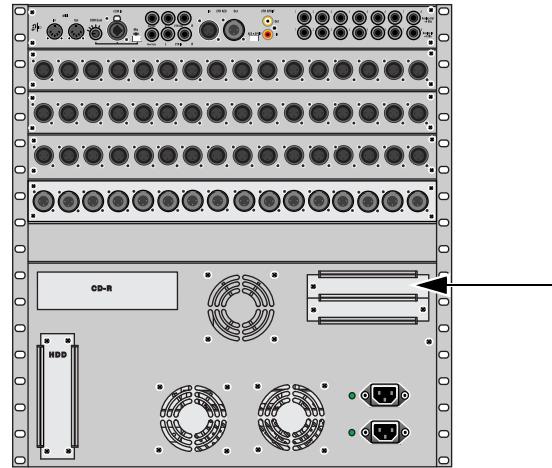
To install the FWx card in the Mix Rack:

- 1 Shut down your system.
- 2 Power down your Mix Rack.
- 3 Disconnect all power, audio, FOH Link, and any other cables attached to the Mix Rack.
- 4 Remove the front panel faceplate by unscrewing its mounting screws (#1 Phillips). Keep the screws nearby for remounting the front panel later.



Front of the Mix Rack

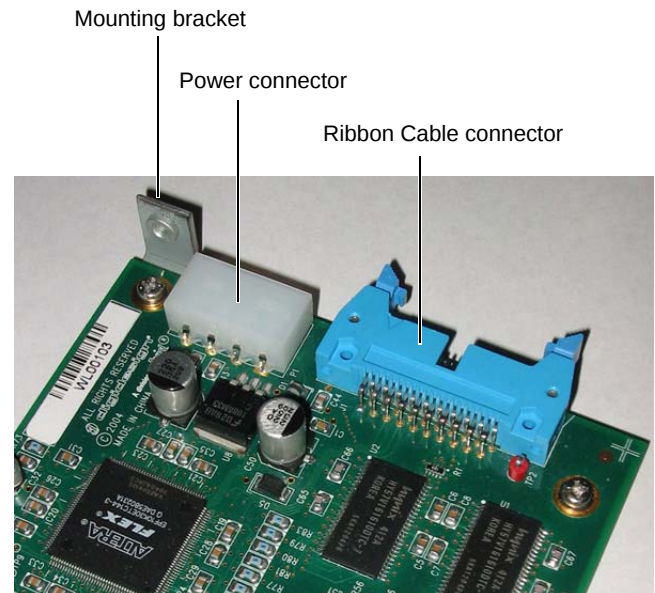
- 5 On the Mix Rack back panel, remove the top expansion slot cover by unscrewing its mounting screws. Keep the screws nearby in order to secure the FWx card to the Mix Rack.



Mix Rack expansion slot

💡 Although there are two expansion slots in which you can install the FWx card, for ease of installation it is suggested that you install the card in the top expansion slot.

- 6 Remove the FWx card from its packing material. Hold the card by its edges.



FWx card showing bracket and connectors

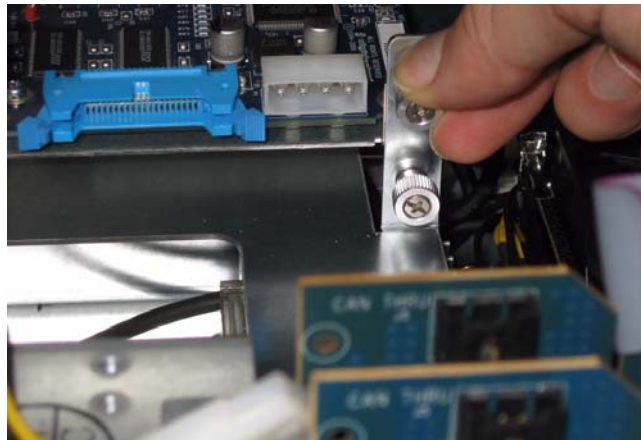
7 Gently slide the card into the expansion slot. Make sure it is oriented right-side up.



Installing the FWx card in the back of the Mix Rack

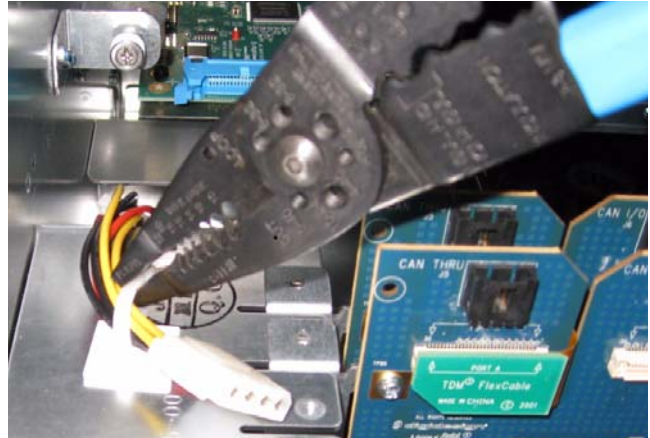
8 Secure the FWx to the back of the Mix Rack using the screws that secured the expansion slot cover.

9 Secure the FWx card to the Mix Rack's chassis by tightening the captive thumbscrews (accessible from the open front panel of the Mix Rack).



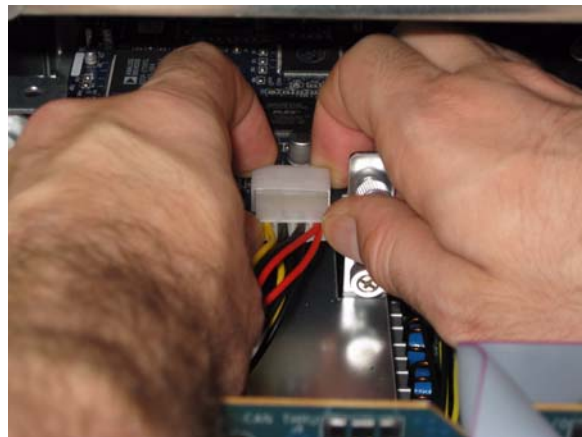
Securing the FWx card to the Mix Rack's chassis

10 Cut the zip tie that secures the expansion card power cable to the chassis, being careful not to cut the wires.



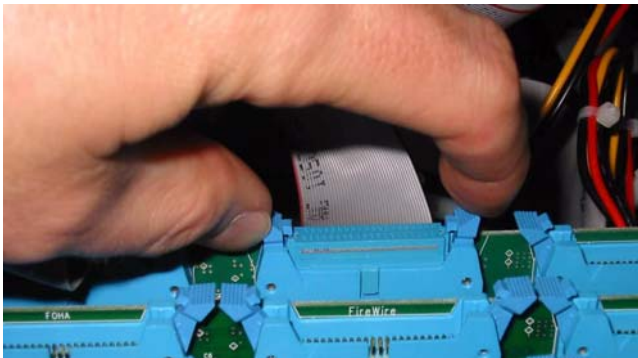
Cutting the expansion card power cable zip tie

11 Attach an available internal power cable plug to the power socket on the FWx card by holding the socket on the FWx and pushing the plug firmly into the socket. When the power cable plug is correctly attached to the FWx card, the yellow wire should be the first wire from the left.



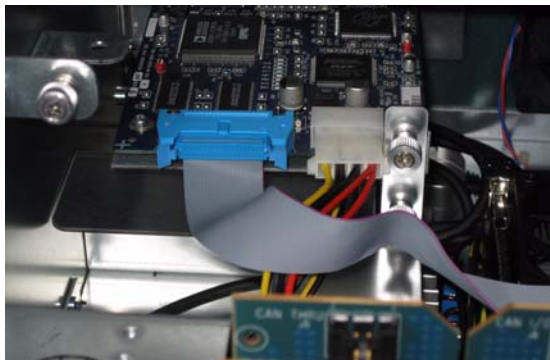
Attaching an internal power cable plug

12 Attach the included ribbon cable to the ribbon connector socket labelled “FireWire” on the first Mix Engine card (the rear most card when viewed from the open front panel). Make sure that the ribbon cable connector’s notch is facing you when attaching the cable.



Attaching ribbon cable connector to rear most Mix Engine card

13 Attach the other end of the ribbon cable to the ribbon connector socket on the FWx card. Make sure that the ribbon cable’s notch is facing upwards when attaching the cable.



A correctly attached ribbon cable and power cable

14 Reattach the Mix Rack faceplate using its screws.

15 Reconnect power, audio, FOH Link, and any other cables to the FOH Rack.

16 Power on all system components. Proceed to “Confirming FWx Card Installation” on page 7.

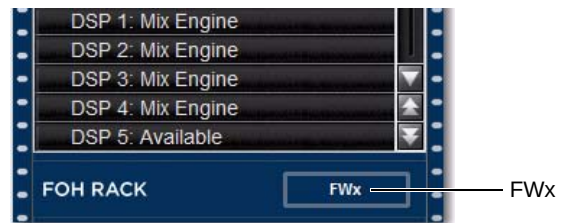
Confirming FWx Card Installation

After you have installed the FWx card in your, you can confirm that you have installed it properly.

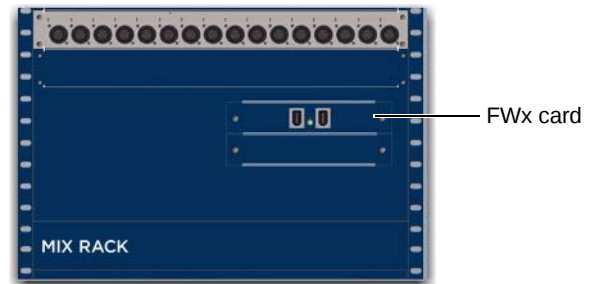
To complete and confirm installation:

- 1** Reconnect the power cable(s) and any other cables to your system.
- 2** Turn on your system.
- 3** In VENUE, go to Options > Devices to view your system hardware status. The newly installed card should be displayed.

 *If the FWx card is not displayed, power down the system and check all cables and connections.*



FWx card indicated in the FOH Rack icon in the Devices page



FWx card indicated in the Mix Rack icon in the Devices page

4 Go to Patchbay > Inputs or Outputs and click the Pro Tools tab to verify that FWx channels appear in the Patchbay.

 *In the standalone software, you can modify I/O card configurations to match your system’s configuration. In the standalone software, go to Options > Device and right-click the I/O graphic to modify I/O configurations.*

Installing Pro Tools

After installing the FWx in your system, you can install Pro Tools on your computer. After installing Pro Tools, download and install the FWx32 Installer Package to update FWx drivers and firmware.

 See the *Pro Tools Installation Guide* for Pro Tools software installation instructions and information on configuring your computer for use with Pro Tools.

Updating FWx Driver and Firmware

Updating FWx drivers and firmware enables your system to run 32 channels of simultaneous I/O. The FWx32 Installer Package includes a Pro Tools hardware driver and a firmware updater for FWx. Follow the instructions included with the package to install the FWx driver on your Pro Tools computer and to update the firmware for the FWx card in your VENUE system.

Visit our website and follow the links to download the FWx32 Installer Package and installation instructions:

www.avid.com/support/support-contact#venue

 *Pro Tools 10.0 or higher is required to update FWx drivers for Pro Tools*

Using Lower Versions of Pro Tools with FWx

FWx comes with a copy of the most recent version of Pro Tools software and drivers. Use the included version to guarantee that all hardware drivers for FWx are installed.

If for whatever reason you want or need to use a lower version of Pro Tools, your exact software installation steps may vary depending on the version of Pro Tools being used:

Pro Tools LE 9.0--9.x.x You must separately install the 002/003 family drivers for FWx-equipped VENUE system to communicate with Pro Tools. Your system is limited to 18 channels of simultaneous I/O.

Pro Tools LE 7.1.1--8.x.x No extra installation is required. The Pro Tools hardware driver for FWx is installed automatically. Your system is limited to 18 channels of simultaneous I/O.

Powering Up and Powering Down a VENUE System and Pro Tools

Whenever you are using a Pro Tools system with VENUE and FWx, power up and power down in a specific order.

Connect and power up your VENUE system and the Pro Tools system in the following order:

- 1 Power up your VENUE system as described in the user guide that came with your VENUE system.
- 2 Do one of the following depending on your system configuration:
 - If you are not using an external FireWire hard drive, connect FWx directly to a FireWire port on your computer.
– or –
 - If you are using an external FireWire hard drive and your computer has more than one FireWire port, connect the FWx to one FireWire port on your computer, connect the FireWire drive to another FireWire port on your computer, and power up the FireWire drive
– or –
 - If you are using an external FireWire hard drive and your computer has only one FireWire port, connect the FireWire drive directly to your computer, connect FWx to an available FireWire port on the drive, and power up the drive.
- 3 Start up the Pro Tools computer.
- 4 Launch Pro Tools.
- 5 Do the following in Pro Tools:
 - In Pro Tools, choose Setup > Playback Engine.
 - From the Current Engine selector, make sure FWx is selected as the audio engine.
 - Click OK. Pro Tools closes and relaunches in order to initialize the new engine.

Power down and disconnect your VENUE system and the Pro Tools system in the following order:

- 1 Quit Pro Tools.
- 2 Shut down the Pro Tools computer.
- 3 Disconnect the FireWire cable between your VENUE system and the Pro Tools computer.
- 4 Shut down your system as described in the user guide that came with your VENUE system.

 *Always shut down Pro Tools and disconnect the FireWire cable before shutting down your VENUE system.*

Chapter 3: Using FWx

Using FWx, you can record and archive performances, and you can integrate pre-recorded Pro Tools tracks into your live mix. Signal routing for recording and playback using FWx is done in both Pro Tools and on your VENUE system.

 See the *Live Recording Guide* for additional information on using Pro Tools with VENUE. Information includes common live recording and playback workflows, signal routing, and instructions on how to use FWx to perform virtual soundchecks.

Overview

VENUE Signal Routing

FWx Outputs (Recording to Pro Tools)

FWx provides 32 assignable outputs for recording VENUE system channels into Pro Tools.

For information on assigning VENUE system channels for recording, see “VENUE Signal Routing for FWx Recording” on page 9.

FWx Inputs (Playback from Pro Tools)

FWx provides 32 assignable inputs for playback of Pro Tools tracks through your VENUE system.

For information on assigning Pro Tools tracks for playback on your VENUE system, see “VENUE Signal Routing for FWx Playback” on page 11.

Pro Tools Settings

FWx inputs and outputs appear in the Pro Tools I/O Setup dialog. This allows you to assign track inputs and outputs to FWx.

 When using FWx, Pro Tools session bit depth and sample rate are fixed at 24-bit/48 kHz, and cannot be changed.

 For information on configuring your Pro Tools system for live recording and playback, see the *Live Recording Guide*.

VENUE Signal Routing for FWx Recording

You can assign any mono or stereo VENUE system channel to FWx channels, including channel Direct Outputs, Mains, Auxes, mono or stereo Groups, Matrix outputs, and PQ outputs. Use the Patchbay > Outputs page to route VENUE system output busses or Direct Outputs to FWx channels 1--32 for recording.

- ◆ Using Direct Outputs lets you record discrete input or output channels from the pickoff point you choose.
- ◆ Using Mains, Aux, Group, Matrix, or PQ outputs lets you record a stereo main mix, one or more stereo submixes, or any combination of these, up to the number of available FWx channels.

 If you configure the Patchbay for playback as well as recording through FWx, be sure to check Pro Tools track outputs for any potential feedback loops before record-enabling tracks.

To route multiple Direct Outputs to Pro Tools for a multitrack recording:

- 1 In the VENUE Patchbay, go to the Directs page.
- 2 Click the tab at the left of the grid for the channel or bus type you are routing.
- 3 Click the Pro Tools tab at the top right of the grid to show the available FWx channels.
- 4 Click in the channel grid to assign a channel or bus (listed on the left) to FWx channels (listed across the top).



Routing a Direct Output to an FWx channel

5 Activate and set the level for each Direct Output by clicking its In button and dragging its on-screen encoder in the Direct Out section.

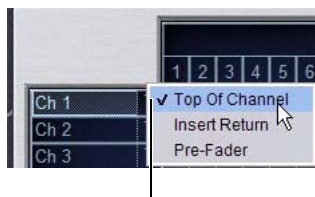


Activating a Direct Output in the Directs page of the Patchbay

6 Click the Pickoff column in the Patchbay to specify one of the following the pickoff sources for each Direct Output:

- Top of Channel (indicated by a “T”)
- Pre-Fader (indicated by a lowercase “p”)
- Post-Fader (indicated by an uppercase “P”)

 The available Direct Output pickoff points for Input Channels and FX Returns can configured globally as pre- or post-fader in the Options > Pickoffs page.



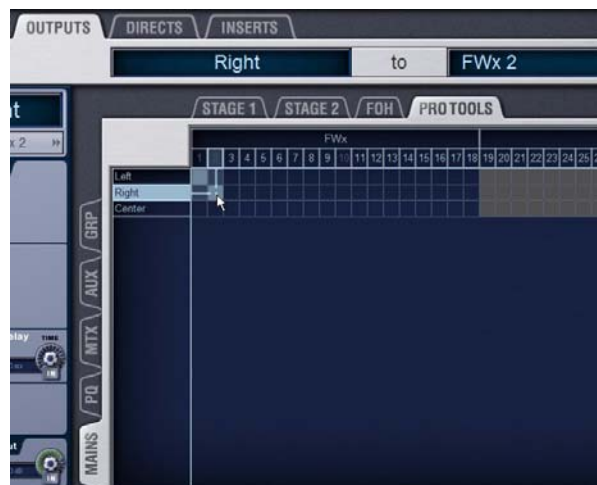
Click to display Pickoff menu

Specifying the channel Pickoff source

7 Configure Pro Tools tracks for multitrack recording. See the *Live Recording Guide* for Pro Tools workflows.

To route the L/R main mix to Pro Tools for a stereo recording:

- 1 In the Patchbay, go to the Outputs page.
- 2 Click the Mains tab to the left of the channel grid.
- 3 Click the Pro Tools tab at the top right of the grid to show the available FWx channels.
- 4 Click in the channel grid to route the Main Left and Right outputs to FWx channels 1–2.



Routing the Mains bus to FWx channels for recording

5 Configure Pro Tools for stereo recording. See the *Live Recording Guide* for Pro Tools workflows.

To use an Output bus to route a submix to Pro Tools:

- 1 In the Patchbay, go to the Outputs page.
- 2 Click the Mains, Aux, Group, Matrix, or PQ tab to the left of the grid to display the type of bus you want to use.

 Pickoff points for output busses in the Outputs tab are always post-fader. Use the Directs tab and select the pickoff point to record output busses pre-fader.

- 3 Click the Pro Tools hardware tab at the top right of the grid to show the available FWx channels.

- 4 Click in the grid to route busses (listed on the left) to FWx channels (listed across the top).

 VENUE software does not support using FWx channels for insert processing through Pro Tools.

- 5 Configure Pro Tools for recording. See the *Live Recording Guide* for Pro Tools workflows.

VENUE Signal Routing for FWx Playback

You can route channels from Pro Tools to VENUE system Input Channels and FX Returns to include pre-recorded tracks in your mix. You can use this feature to use prerecorded click tracks or other material in a performance, or mix down the Pro Tools session using your VENUE system.

Use the Patchbay > Inputs page to route FWx channels 1--32 to any available VENUE system Input Channels or FX Returns.

To route FWx channels to Input Channels and FX Returns:

- 1 In the Patchbay, go to the Inputs page.
- 2 Click the Channels or FX Returns tab to the left of the grid to display the type of channels you want to use.
- 3 Click the Pro Tools tab at the top right of the grid to show the available FWx channels.
- 4 Click in the grid to route FWx channels to Input Channels or FX Returns.



Patching FWx channels to FX Returns for playback

- 5 From the ACS or channel Input screens, assign routing for each FWx channel as needed:

- Assign to the main L/R bus to include FWx audio in the main mix of a performance.
- Assign to a Group, Aux, Matrix, or PQ bus for submixing and monitoring.

You can leave FWx channels unassigned and still monitor them in the Solo bus and headphones.

⚠ To avoid potential feedback loops, make sure no channels are simultaneously sending to and receiving from any record-enabled Pro Tools tracks.

Monitoring FWx Recordings Through VENUE

To monitor the Pro Tools recording through your VENUE system, configure Pro Tools signal routing to play back the main stereo mix through two available Input or FX Return channels. In VENUE, leave the Input or FX Return signal routing unassigned and use Solo to monitor the recording.

To monitor FWx recording on VENUE:

- 1 In Pro Tools, check the output assignment shown for the currently record-enabled tracks, as follows.

- If Pro Tools is only being used for recording, make sure the recording tracks are assigned to an available FWx channel pair.
- or –
- If simultaneously using Pro Tools to record and play back audio, check output routing to avoid potential feedback loops. Make sure record-enabled tracks do not share the same output assignment as any playback tracks. Assign output of the recording tracks to a discrete pair of FWx channels.

- 2 In the Patchbay, route the FWx channels to VENUE Input Channels or FX Returns. See “VENUE Signal Routing for FWx Playback” on page 11.

- 3 Using the ACS or channel Input screens, make sure the FWx record monitoring channels are not assigned to any VENUE system bus or output, as follows:

- Make sure no Group Bus indicators are lit; press any lit or flashing indicators to unassign.
- If you selected multiple channels, the LEDs flash to indicate a mixed state of assignments among all the currently selected channels.
- Press a flashing indicator LED once to reset all selected to the same setting (usually, assigned). Press again to toggle and unassign all selected channels in unison.

Using Synchronization and Time Code with FWx

The FWx card only communicates audio data between your VENUE system and Pro Tools.

If you plan to use Pro Tools as a MIDI Time Code master or slave, a separate MIDI connection for the Pro Tools host computer is required. Use a USB MIDI interface with Pro Tools, and connect its ports to the MIDI In/Out ports on the FOH Rack, Mix Rack, or SC48.

For complete information on synchronization and time code features, see the main guide that came with your VENUE system.

Appendix A: 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)

Avid declares that this product complies with the following standards regulating emissions and immunity:

- FCC Part 15 Class B
- EN 55103-1 E2, E3
- EN 55103-2 E2, E3
- 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 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.

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 and Safety)



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

Korean EMC Regulations

이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

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) 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.
 - 9) 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.
 - 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.
- 16) For products containing a lithium battery:
CAUTION! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
 - 17) For products with a power switch:
The main power switch should remain accessible after installation.
 - 18) The equipment shall be used at a maximum ambient temperature of 40° C.



Avid
2001 Junipero Serra Boulevard
Daly City, CA 94014-3886 USA

Technical Support (USA)
Visit the Online Support Center at
www.avid.com/support

Product Information
For company and product information,
visit us on the web at www.avid.com