



FOH Rack

for VENUE Systems

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Chapter 1: Introduction

The VENUE FOH Rack is an expandable rack component that provides, in conjunction with a Stage Rack for remote stage connections, local I/O, computer, and DSP processing for VENUE D-Show® systems and VENUE Profile™ systems.

FOH Rack Features

Audio I/O

- 8 pairs of analog I/O for hardware inserts, or for input and output of line-level program material from the FOH position.
- Analog and Digital (AES or S/PDIF) 2-Track inputs and outputs.
- Com mic input, with gain control and phantom power.
- Monitor outputs to connect to near field monitor speakers at the mix position.

Synchronization and Control I/O

- MIDI In and Out ports, providing 16 channels of MIDI input and 16 channels of MIDI output.
- Word clock I/O for digital clock synchronization.
- USB 2.0 ports for USB disks, iLoks, and other USB devices.
- 100 BaseT Ethernet (ECx) port for Ethernet-based remote control.
- Snake 1 and 2 connectors (to Stage Rack)

CPU, DSP, and System Drives

The FOH Rack houses the CPU, DSP, hard drive and CD-ROM drive that run the VENUE software on your VENUE system. VENUE software is installed at the factory. The CD-ROM drive lets you update or restore your VENUE system software, and install compatible plug-ins from their installer discs.

A standard FOH Rack includes three Mix Engine cards, which provide DSP for plug-ins and mixing. You can add two optional Mix Engine cards, up to a maximum of five.

Redundant Power Supply Units (PSUs)

Each FOH Rack comes with dual redundant, field replaceable (100V to 240V nominal, 50–60 Hz) PSUs with auto redundant failover and LED status indication.

Included Components


The following components are included in a standard FOH Rack configuration:

- 1 FOH Rack unit
- 1 FOH Link cable (for connection to a VENUE D-Show Main/Sidecar or a VENUE Profile console)
- 2 IEC power cables
- VENUE system software
- VENUE Standalone software and user guides
- ECx Ethernet Control software
- VENUEPack Pro plug-in bundle and iLok

Expansion Options

I/O Options

IOx Card This option expands FOH Rack local I/O capabilities, offering eight channels of AES3 digital I/O and eight channel pairs of 1/4" TRS analog I/O.

 For more information on the IOx Card, see the IOx Card guide.

Snake Card This option lets you to add another Stage Rack to your VENUE System, giving you up to 96 channels of Stage I/O.

DSP Expansion

To increase the amount of DSP available for plug-in processing, you can add two additional Mix Engine cards (up to a maximum of five) to the FOH Rack.

Record and Playback Options

FWx Record/Playback Option This FireWire-based option card provides direct Pro Tools LE™ integration for up to 18 channels of 24 bit/48kHz recording and playback audio.

HDx Record/Playback Option This option card provides direct Pro Tools|HD® integration for up to 64 channels of 24 bit/48kHz recording and playback audio with one card, or 128 channels with two cards.

VENUE MADI Option Card This option card lets you send or receive up to 64 channels of MADI digital audio to or from an external MADI device such as an Avid HD MADI interface (which you can use to record or playback audio with a Pro Tools|HD system) or a third-party MADI device.

Operational Requirements

Temperature and Ventilation

The FOH Rack unit should be operated away from heat sources and with adequate ventilation.

Storage

The FOH Rack unit should be stored and transported at temperatures not lower than 0 degrees F (-18 degrees C) and not exceeding 140 degrees F (60 degrees C).

Operation

The FOH Rack unit should be operated at temperatures not lower than 40 degrees F (4 degrees C) and not exceeding 115 degrees F (40 degrees C).

Water and Moisture

The FOH Rack unit should be operated away from sources of direct moisture and should be kept clear of liquids that might spill into the unit. If condensation is present on the unit, leave the unit to dry in ambient air for at least one hour before powering the unit on.

Cleaning and Maintenance

If you need to clean the surface of the FOH Rack unit, use a dry cloth. Do not apply any cleaning solutions, spray cleaners, or abrasives to the surface.

Power Connections

Each power supply in the FOH Rack requires its own power connection. Each power supply is auto voltage-selecting (100V to 240V). A modular IEC power cable is provided for each power supply in the unit.

FOH Rack Front Panel

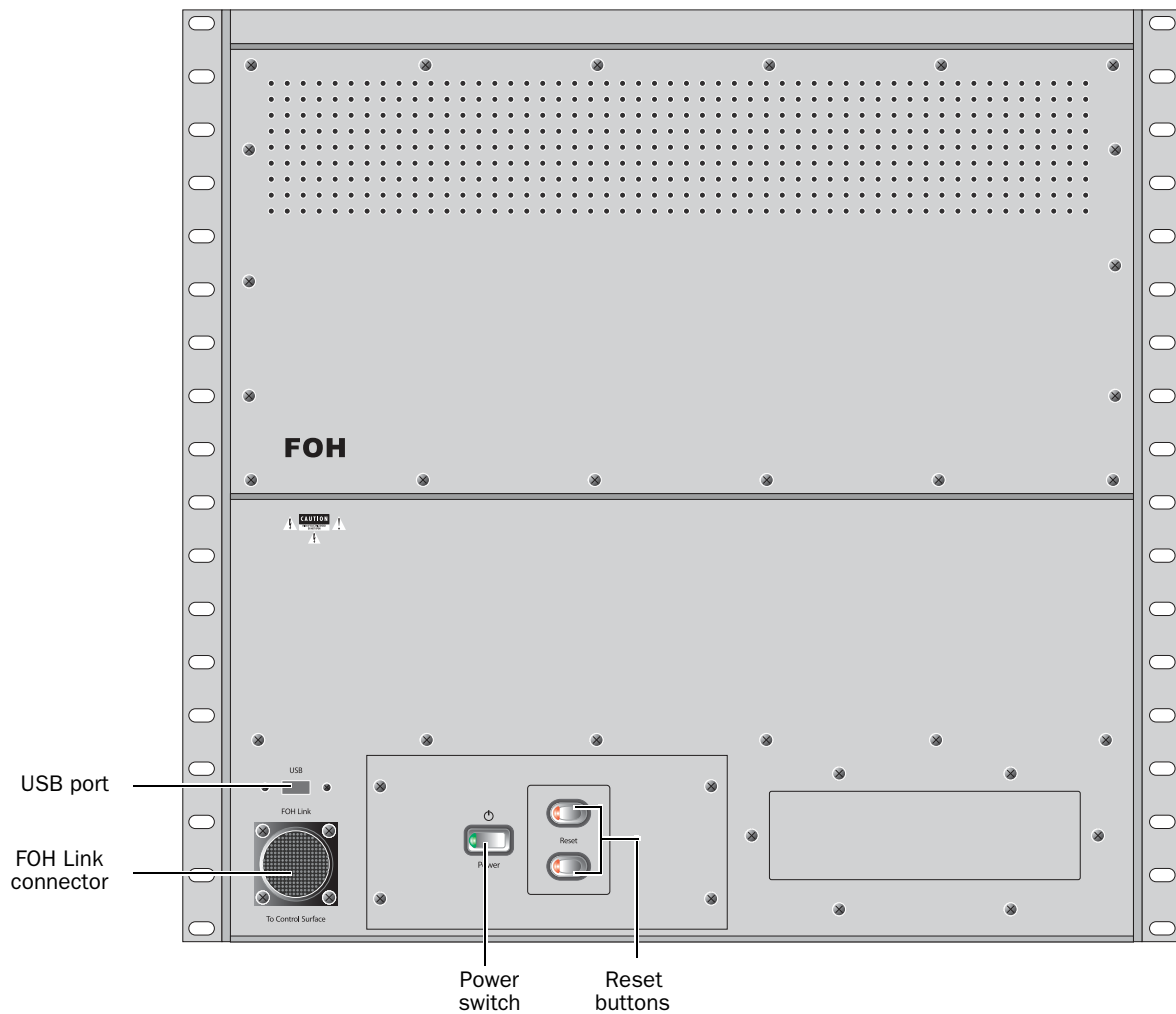


Figure 1. FOH Rack front panel

Power Switch

The Power switch applies power to the FOH Rack and starts the VENUE system.

Reset Buttons

Pressing both Reset buttons simultaneously instigates a full system restart.

⚠ Use the Reset buttons only in the event of an emergency.

FOH Link Connector

The FOH Link connector accepts the FOH Link cable that connects the FOH Rack to your D-Show Main Unit or Profile. This cable provides all the data and audio connections between your console and the FOH Rack.

USB Port

The USB port on the front panel of the FOH Rack is a USB 2.0 port. This port supports iLoks, USB key disks, and other USB devices.

CD-ROM Drive

The built-in CD-ROM drive is for installing software updates, plug-ins, and other data. The CD-ROM drive is read-only. No data can be written to blank discs placed in the drive.

FOH Rack Back Panel

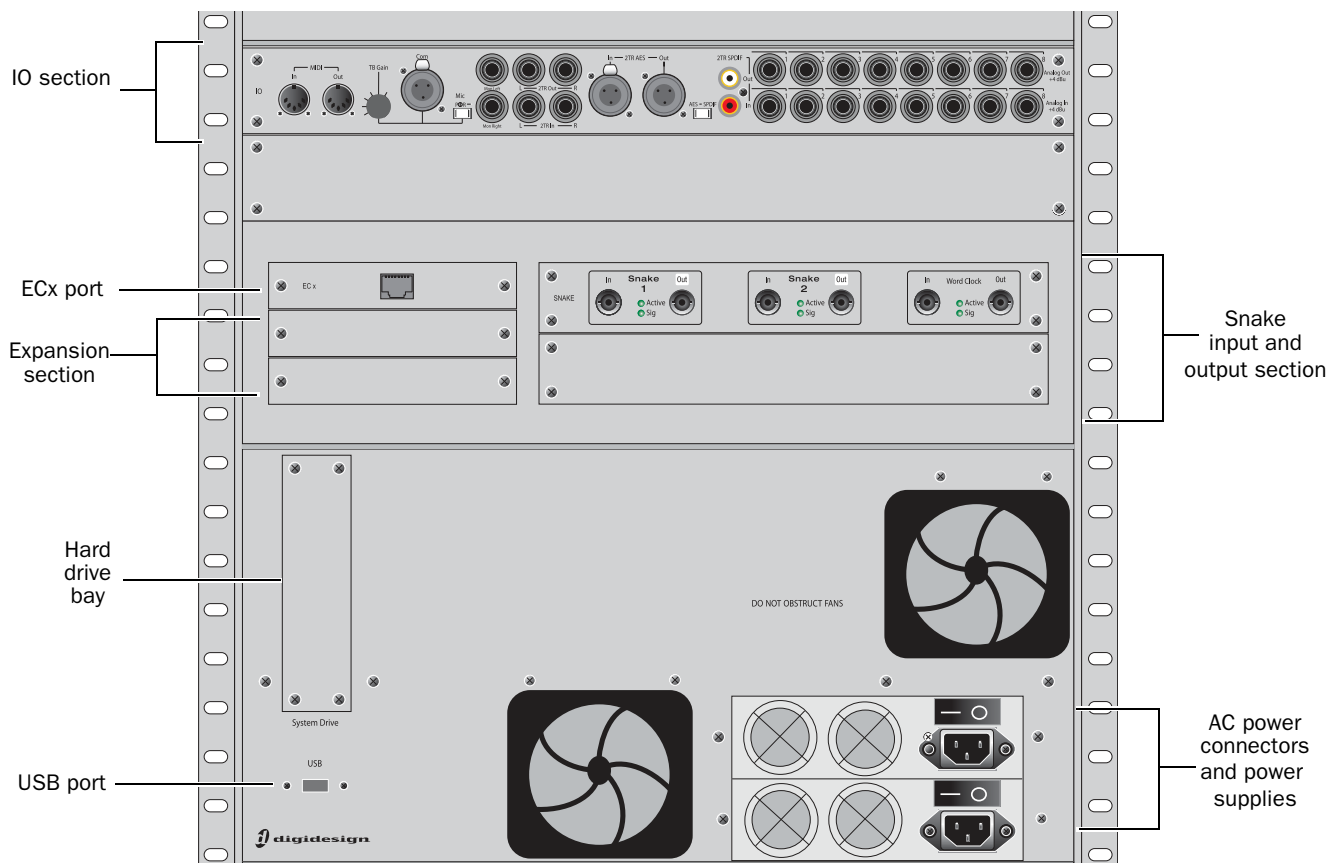



Figure 2. FOH Rack back panel

ECX Port

Use the ECx port to connect a laptop, tablet, or a wireless router to the FOH Rack to control your VENUE system remotely, enabled by ECx Ethernet Control host and client software. (This port does not support networking or any communication other than ECx.)

 To use ECx, you must first install the host and client software applications. See the *VENUE D-Show Guide* or the *VENUE Profile Guide* for more information on installing and using ECx.

Snake Input and Output Section

The Snake card accepts a digital snake cable (Snake 1) and an optional redundant cable (Snake 2) that connects the FOH Rack to the Stage Rack.

Adding a second Snake card to the FOH Rack enables the use of a second Stage Rack, expanding Stage I/O to 96 channels.

Snake Connectors

The FOH Rack snake connectors consist of two pairs of BNC-style connectors (Snake 1 In and Out, Snake 2 In and Out), and two pairs of signal status indicators.

Active LED Green LED lights to indicate that connection to FOH Rack is active for the corresponding Snake. Only one Snake can be active at a time.

Sig LED Green LED lights to indicate that signal is present on the corresponding Snake.


All Snake LEDs flash when no Snake signal is present.

Power Supply

The FOH Rack contains two power supplies. The redundant power supply automatically takes over in the event of a loss of power to, or failure of, the primary power supply.

AC Power Connectors

The AC Power connectors accept standard IEC-type AC power cables. FOH Rack power supplies are auto-power selecting (100V to 240V) and automatically work with a standard modular power cord when connected to an AC receptacle in any country.

 The power supplies in FOH Rack have their own power switches. These must be in the On position in order to power up the FOH Rack via the front panel power switch.

I/O Section

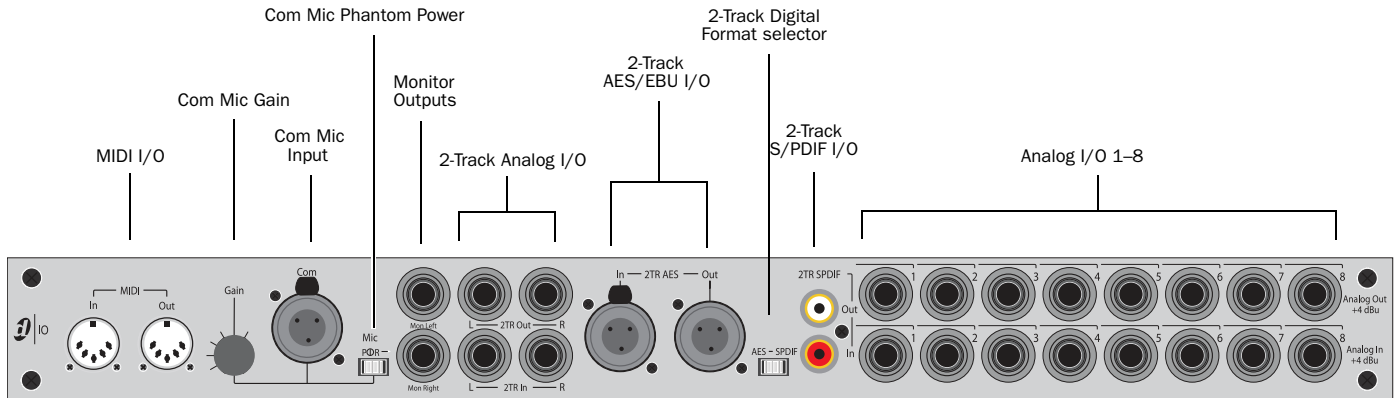


Figure 3. FOH Rack I/O section

MIDI I/O Ports

These MIDI In and Out Ports provide 16 channels of MIDI input and 16 channels of MIDI output. The MIDI I/O ports are used in sending and receiving Snapshot MIDI messages, and in receiving MIDI Time Code from external devices.

Com Mic, Gain Control, and Phantom Power

The Com Mic connector and associated controls let you integrate a com system with your VENUE system. The Gain control operates in steps of 3 dB. If required, phantom power may be applied to the Com mic with the Mic Power switch.

Monitor Outputs

These 2 Monitor Outputs are used for output to the near-field monitoring system. These are 1/4-inch balanced TRS connectors.

2-Track Analog Inputs and Outputs

These 2-Track analog connections are used for input and output of analog audio material, which can be routed to the Main bus. These are balanced 1/4-inch TRS connectors.

2-Track Digital Inputs and Outputs

These 2-Track digital connections are used for input and output of digital audio material, which can be routed to the Main bus. Stereo AES/EBU or S/PDIF I/O connectors are selectable with the AES-SPDIF switch. These connectors support 24-bit, 48 kHz digital signals. Input signals with other sample rates are sample-rate converted to 48 kHz.

Analog Inputs and Outputs (1-8)

These 8 pairs of analog inputs and outputs are used for hardware inserts, or for input and output of program material from the front of house position. These are balanced, 1/4-inch TRS connectors.

FOH Link Cable

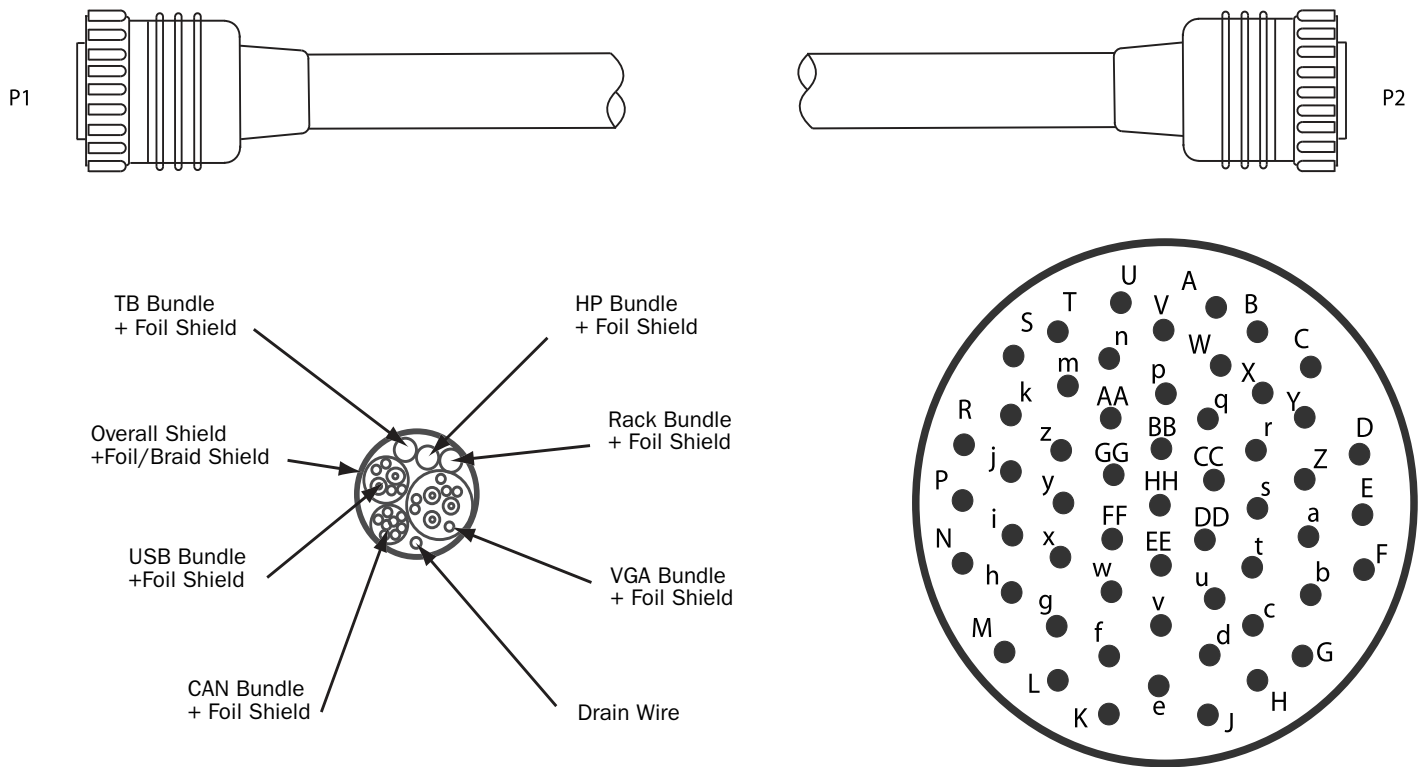


Figure 4. FOH Link cable specifications and connector pinout diagram

Connector Specifications

P1: KPT 60 ZIFF connector w/ metal backshell

- Cannon P/N: KPSE06E22-55PF42F0 (housing)
- Cannon P/N: 030-9036-000 (contacts)

P2: KPT 55 Position w/ cable clamp, solder cup

- Cannon P/N: KPSE06E22-55PF42F0 (housing)
- Cannon P/N: 030-9036-000 (contacts)

CAN Bundle:

9 x 28 awg, Foil shield

Overall Shield: 360 degree Foil and 65% Braid + Drain

Overall Jacket: PVC, Black, UL

Connect all shields to the connector shell and to position EE on each connector.

Cable Specifications

VGA Bundle:

3 x 75 Ohm Coax, 2 x 24 awg Pair, 3 x 28awg
+ Foil and Braid shield

USB Bundle:

1 x 28 awg Pair, 4 x 24awg + Drain
+ Foil and Braid shield

Rack Bundle:

5 x 28 awg, Foil shield

Talkback (TB) Bundle:

4 x 28 awg, Foil shield

Headphone (HP) Bundle:

4 x 28 awg, Foil shield

Connector Pinouts

FOH Link cable VGA BUNDLE pinouts

P1	VGA BUNDLE	P2
U	RED DATA	U
A	GREEN DATA	A
T	BLUE DATA	T
V	ID	V
B	RED GND	B
S	GREEN GND	S
n	BLUE GND	n
W	GND	W
C	ID	C
m	ID	m
p	HSYNC	p
X	VSYNC	X
k	VGA SHIELD	k

FOH Link cable RACK BUNDLE pinouts

P1	RACK BUNDLE	P2
HH	RACK PSU	HH
BB	RACK GND	BB
CC	RACK SHD	CC
DD	SPR 1	DD
GG	SPR 2	GG

FOH Link cable TALKBACK BUNDLE pinouts

P1	TB BUNDLE	P2
R	TB P	R
j	TB N	j
y	TB GND	y
P	TB SHEILD	P

FOH Link cable HEADPHONE BUNDLE pinouts

P1	HP BUNDLE	P2
N	HP L	N
i	HP R	i
h	HP GND	h
M	HP SHEILD	M

FOH Link cable CAN BUNDLE pinouts

P1	CAN BUNDLE	P2
Y	CAN 1 H	Y
r	CAN 1 L	r
Z	CAN 2 H	Z
s	CAN 2 L	s
a	CAN 3 H	a
b	CAN 3 L	b
E	CAN 4 H	E
F	CAN 4 L	F
D	CAN CS	D

FOH Link cable USB BUNDLE pinouts

P1	USB BUNDLE	P2
K	USB 5+	K
J	USB GND	J
H	USB D+	H
d	USB D-	d
G	USB SHIELD	G
f	USB +5	f
c	USB GND	c

Not connected: AA, FF, z, x, w, v, u, t, q, e, L, g

Chapter 2: Connecting the FOH Rack

Connecting Consoles to the FOH Rack

FOH Rack can be used with a Profile console or a D-Show Main unit/Sidecar console.

To connect Profile and the FOH Rack:

- Connect one end of the FOH Link cable to the FOH Link port on the back panel of the Profile console. Connect the other end of the FOH Link cable to the FOH Link port on the front panel of the FOH Rack. On each end, be sure to align the notch in the connector housing with the slot in the plug, and to rotate the collar until the connector is fully latched.

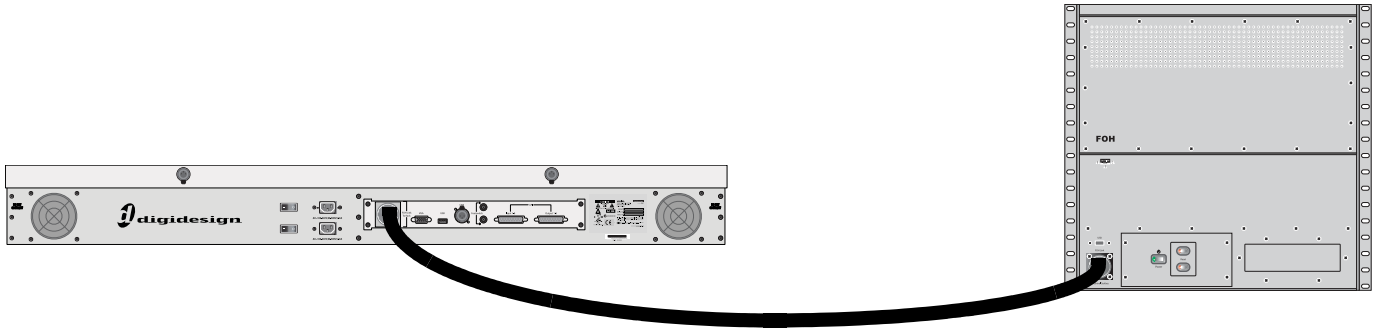


Figure 5. FOH Link connection between Profile (left) and FOH Rack (right)

To connect the D-Show Main Unit and the FOH Rack:

- Connect one end of the FOH Link cable to the FOH Link port on the back panel of the Main unit. Connect the other end of the FOH Link cable to the FOH Link port on the front panel of the FOH Rack. On each end, be sure to align the notch in the connector housing with the slot in the plug, and to rotate the collar until the connector is fully latched.

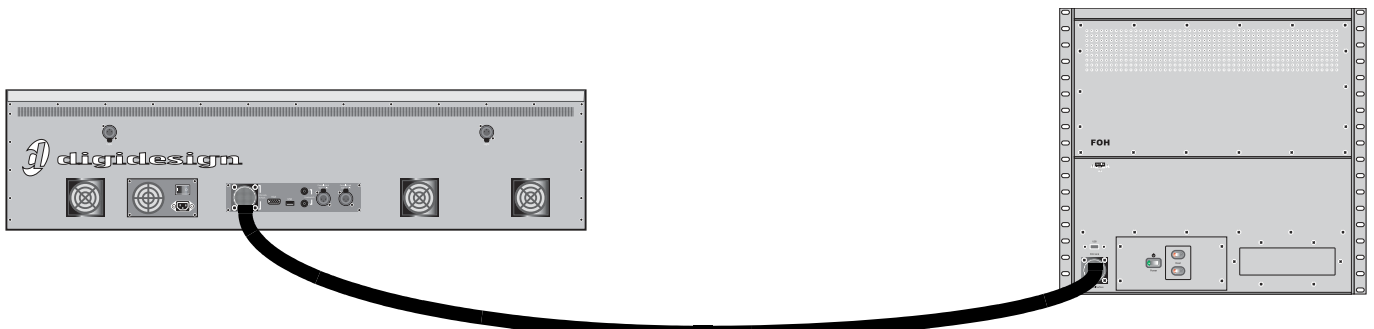


Figure 6. FOH Link connection between D-Show Main unit (left) and FOH Rack (right)

Connecting the FOH Rack to the Stage Rack

The FOH Rack is connected to the Stage Rack with the Digital Snake cable (available separately from Avid). It is recommended that you use a second, redundant Digital Snake cable connected to Snake 2 ports on each unit.

To connect a Stage Rack to the FOH Rack:

- 1 Connect the send snake to the Stage 1 Out port of the Stage Rack to the Stage 1 In port on the FOH Rack.
- 2 Connect the return snake to the Stage 1 Out Port of the FOH Rack to the Stage 1 In port on the Stage Rack.



The connectors on Avid's Digital Snake cable are color coded, so that the white connector connects to the white-outlined ports on the Stage Rack and the FOH Rack.

- 3 If you are using a second redundant snake, connect it to the Snake 2 ports on each unit in the same manner.



If you are using a second redundant snake, the primary and the redundant snake must be the same length.

When the FOH Rack and the Stage Rack are powered up, the primary snake connection is indicated by the solid Active LED (marked "Active"). If the Snake Signal LEDs flash, a Snake connection has not been established.



If there are problems with the Digital Snake connection, double check that all the BNC connectors are fully secured. If the problem persists, try reversing the connectors connected to the In and Out ports on one end.

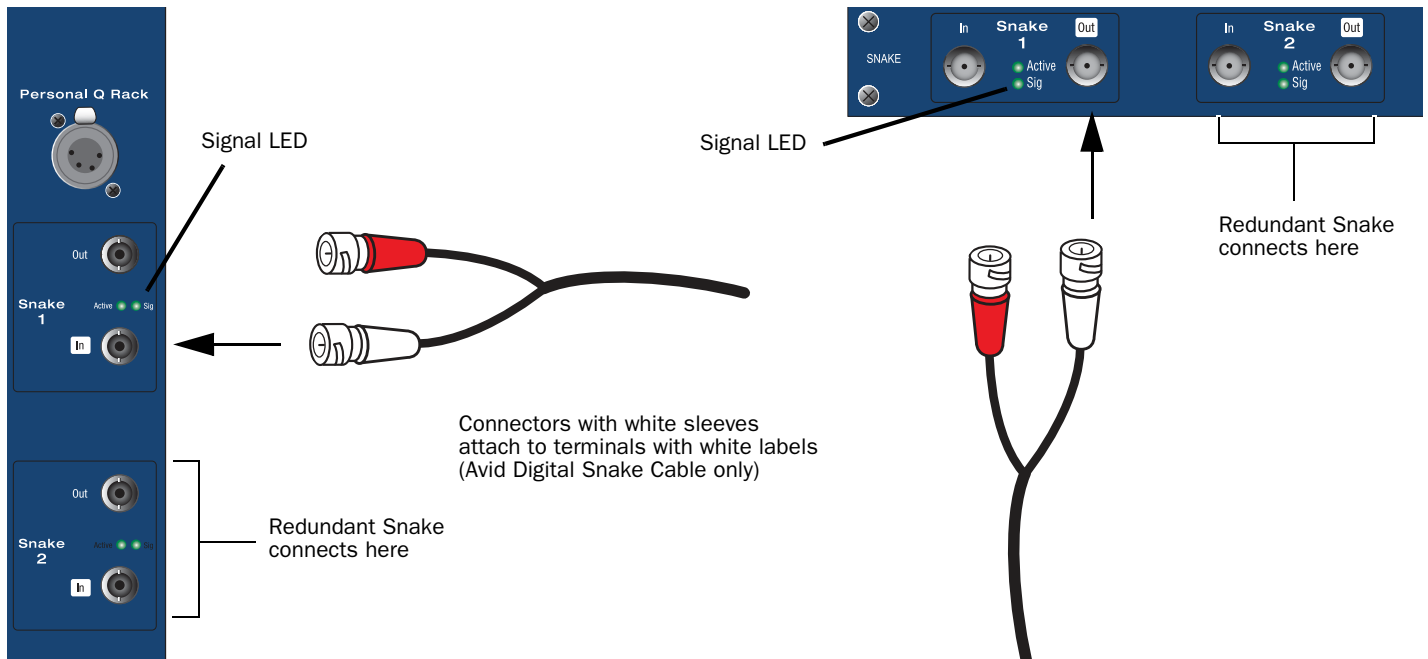


Figure 7. Detail of Digital Snake cable connection between Stage Rack (left) and FOH Rack (right)




If a second Stage Rack is used, an additional Snake Card must be installed in the FOH Rack. See the Snake Card Guide for more information.

Ancillary Connections

(AC Power, Synchronization and Optional Connections)


AC Power Connectors

The AC Power connectors accept standard AC power cable, for powering each of the two redundant power supply units. FOH Rack power supplies are auto-power selecting (100V to 240V, 50–60Hz) and automatically work with a standard modular power cord when connected to an AC receptacle in any country.

 *The power supplies in FOH Rack have their own power switches. These must be in the On position in order to power up the FOH Rack via the front panel power switch.*

ECx Port

The ECx port lets you connect an RJ-45 Ethernet cable for remote control of the system from a laptop or tablet computer.


 *See the VENUE D-Show Guide or the VENUE Profile Guide for more information on ECx.*

USB Ports

The USB ports on the front and back panel of the FOH Rack let you connect iLoks, USB key disks and other USB devices. (An additional, secure USB port is located inside the FOH Rack chassis as well; use this internal port to connect and secure a pre-loaded iLok to always be available to that FOH Rack system.)


Word Clock I/O

The Word Clock In Out ports transmit and receive word clock signals, letting you integrate external digital devices with FOH Rack. The ports are also used to integrate a second Snake card into your system.

 *For more information on using FOH Rack word clock I/O, see the guide that came with your console. See the Snake Card guide for more information on setting up a second Stage Rack.*


Powering the System Up and Down

Powering Up

 *Faders move when power is turned on. Before powering up the system, make sure all fader paths are clear of obstructions.*

Power up the system in the following sequence:

- 1 VENUE console
- 2 FOH Rack

 *Each unit has a separate power switch.*

- 3 Stage Rack
- 4 Any connected computers for recording/playback options
- 5 Audio monitoring system


Powering Down

Power down the system in the following sequence:

- 1 Audio monitoring system
- 2 Any connected computers for recording/playback options
- 3 FOH Rack
- 4 Stage Rack
- 5 VENUE console

Restarting the System

If at any time during setup or performance it becomes necessary to restart the system, you can restart the entire system or reset individual hardware devices.

 *For more information on restarting your VENUE system and resetting system hardware, see the Troubleshooting chapter of the guide that came with your console (VENUE Profile Guide, or VENUE D-Show Guide).*

How to Proceed

To learn how to operate your VENUE system, see the *VENUE Profile Guide* or *VENUE D-Show Guide* that came with your console.

Chapter 3: Mechanical Specifications

FOH Rack Mechanical Specifications

VENUE FOH Rack Specifications (Maximum Configuration)	
Dimensions (H x W x D)	17.5 x 17.0 x 15.1 inches (445 x 432 x 384 mm)
Rack Spaces	10 U
Weight	74 lbs (33.7 kg)
Power Requirements	90–260 VAC, 50–60 Hz, 220 W
Snake 1 In/Out Connectors (to Stage Rack)	BNC female (2)
Snake 2 In/Out Connectors (to Stage Rack)	BNC female (2)
Word Clock In/Out Connectors	BNC female (2)
USB Ports (3)	USB 2.0

Environmental

Parameter	Specification	Limit	Units	Condition/Comment
Storage Temperature	0 to +140		deg F	–18 to +60 deg C
Operating Temperature	+40 to +115		deg F	+4 to +40 deg C
Storage humidity range	5 to 95		%	Non-condensing
Operating humidity range	20 to 80		%	Non-condensing

Chapter 4: Audio Specifications

FOH Rack General Audio Specifications

Audio, general

Parameter	Specification	Limit	Units	Condition/Comment
Internal Sample Rate	48		kHz	
External Sample Rate	48 +/- 10 ppm (word clock input)		kHz	
Processing Delay (latency)	Less than 2.8	max	ms	48 channels, stage input through L-R bus to stage output
Internal Processing	up to 48-bit, fixed point			288 dB internal dynamic range
Frequency Response	+/- 0.5		dB	20 Hz – 20 kHz BW, relative to 1 kHz
Dynamic Range	108	min	dB	Analog stage input to analog stage output, re +24 dBu, A-weighted, 20 Hz – 20 kHz BW
Crosstalk	-100	max	dB	Adjacent Stage inputs to L-R bus, @ 1 kHz
Residual Output Noise	-90	max	dBu	20 Hz – 20 kHz BW
Maximum Voltage Gain	84		dB	Stage input to L-R bus, channel & L-R faders @ max

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

0 dBu = 0.775Vrms.

FOH Inputs

Analog Line Inputs 1–8; 2-Track Analog Inputs

Parameter	Specification	Limit	Units	Condition/Comment
Type	Balanced, 1/4-inch TRS Female			
Maximum Input Level	+24	max	dBu	
Input Impedance	10k		Ohms	
THD+N	0.003	max	%	–1 dBFS output, 20 Hz to 20 kHz BW

2-Track AES Input

Parameter	Specification	Limit	Units	Condition/Comment
Type	XLR3-F			
Format	AES/EBU			
Termination	110		Ohm	
Word Length	24		bit	
Sample Rate	48		kHz	
Sample Rate Conversion (SRC)	32 to 96		kHz	Always active

2-Track S/PDIF Input

Parameter	Specification	Limit	Units	Condition/Comment
Type	Unbalanced, co-axial (RCA)			
Format	S/PDIF (IEC-60958 Type II)			
Termination	75		Ohm	
Word Length	24		bit	
Sample Rate	48	nom	kHz	
Sample Rate Conversion (SRC)	32 to 96		kHz	Always active

Com Input (XLR/TRS)

Parameter	Specification	Limit	Units	Condition/Comment
Type	Neutrik combi XLR/TRS			
Sensitivity	-2 to -32		dBu	Equals 0 dBFS. Switchable in 6 gain steps
Phantom Power	+15		VDC	6mA (switchable on Mix Rack back panel)
Input Impedance	20k		Ohms	

FOH Outputs

Analog Line Outputs 1-8; 2-Track Analog Outputs; Monitor L/R

Parameter	Specification	Limit	Units	Condition/Comment
Type	Balanced, 1/4-inch TRS Female			
Maximum Output Level	+24	max	dBu	
Output Impedance	50K		Ohm	

2-Track AES Output

Parameter	Specification	Limit	Units	Condition/Comment
Type	XLR3-M			
Format	AES/EBU			
Word Length	24		bit	
Sample Rate	48		kHz	
Sample Rate Conversion (SRC)	None			
Dithering	None			
Channel Status Info	Pro, Audio 48K, No Emphasis			
Max Cable Length	100		meter	Without equalization, 110 ohm cable

2-Track S/PDIF Output

Parameter	Specification	Limit	Units	Condition/Comment
Type	Unbalanced, co-axial (RCA)			
Format	S/PDIF (IEC-60958 Type II)			
Output Impedance	75		Ohm	
Word Length	24		bit	
Sample Rate	48		kHz	
Sample Rate Conversion (SRC)	None			
Dithering	No			
Channel Status Info	Consumer, Audio, 48K, Non-copy, 2-Channel, General Category, Level 2 Clock			

Headphone Output

Parameter	Specification	Limit	Units	Condition/Comment
Type	Unbalanced, 1/4-inch TRS Female			Located on console
Output Impedance	50		Ohm	
Max RMS Power Output	20		mW	at +21 dBu with 32 Ohm headphones
	130		mW	at +21 dBu with 600 Ohm headphones

Synchronization and Control I/O

Ancillary	Connector	Count	Type
MIDI In	5-Pin DIN F	1	
MIDI Out	5-Pin DIN F	1	
Word Clock In	BNC-F	1	
Word Clock Out	BNC-F	1	
FOH Link	Multi-Pin	1	55-pin
Snake 1 & 2 In	BNC-F	2	
Snake 1 & 2 Out	BNC-F	2	
Ethernet (ECx)	RJ-45	1	100BaseT

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)

This model Avid FOH Rack complies with the following standards regulating interference and EMC:

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

FCC Compliance for United States

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, Avid, 2001 Junipero Serra Boulevard
Daly City, CA 94014-3886, USA
650-731-6300

declare under our sole responsibility that the product
FOH Rack

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 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 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.

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.



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Product Information
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