



# VENUE FOH Rack

DSP processing, computer, and local I/O component



Avid® VENUE is a state-of-the-art live sound production environment comprised of high-quality components that work together as one system, so you get studio-grade sound, powerful performance, unprecedented reliability, and complete ease of use, with maximum flexibility. VENUE FOH Rack serves as the central processing component of your VENUE system, housing an embedded control computer, DSP Mix Engine Cards, interface option cards, and I/O for local inserts and outboard devices. It's compatible with VENUE D-Show® and Profile consoles, works in conjunction with up to two VENUE Stage Racks for remote stage connections, employs VENUE software as its graphical user interface, and enables full Pro Tools® integration with optional interface cards.

## Features

- Durable 10-space steel rack houses local I/O, control computer, DSP processing cards, and interface options
- Includes VENUE software, the industry's easiest yet most comprehensive control software
- Supports up to five DSP Mix Engine Cards (comes standard with three), allowing up to 96 input and 16 stereo effects return channels (128 processing channels) to be mixed, with ample headroom for TDM plug-in processing
- Dedicated analog and digital 2-track connections, intercom and talkback facilities, and stereo outputs for near-field speaker monitoring
- Includes ECx Ethernet Option Card for remote control of the system using a wired or wireless laptop or computer
- Includes VENUEPack and VENUEPack Pro plug-in bundles, which offer some of the most coveted processing in the industry
- Supports optional cards for additional analog and digital I/O, Pro Tools integration, Stage Rack expansion, and more
- Comes standard with dual redundant, field-replaceable power supplies

## Complete Computer Control

FOH Rack features an embedded computer platform running VENUE software as the central point of control for the entire VENUE system. Used in conjunction with the DSP Mix Engine Cards, you gain unparalleled headroom for onboard processing with full TDM plug-in compatibility.

## Onboard Local I/O

FOH Rack provides a host of dedicated local I/O through its FOH I/O card, which offers local monitor outputs, analog and digital (AES or S/PDIF) 2-track input and outputs, MIDI I/O, eight TRS insert send and return jacks, and a COM input that can handle either microphone or intercom inputs. This local I/O is offered standard, is expandable, and comes at no expense to mic/line input or output counts.

## One Software Platform—Total File Portability

All VENUE components operate under one common software platform—VENUE software, the industry's easiest yet most comprehensive control software. VENUE software sets new standards in operational efficiency and workflow, giving you instant access to and full control over any function of the system. Just a simple button push on the control surface or click from the screen gives you access to inputs, outputs, show files, snapshots, patchbays, plug-ins, and more. And because all VENUE systems share this same software platform, you can create and load show files for use on any VENUE system; no need to learn new software or build new show files if you switch VENUE consoles or re-scale your system.

## Creative Processing with Bundled Plug-ins

FOH Rack comes with two powerful bundles of plug-ins—VENUEPack and VENUEPack Pro. Both bundles offer some of the best and most highly coveted professional processing in the industry from Avid, Bomb Factory, Focusrite, and other Avid Development Partners. Both bundles are worth thousands of dollars each on their own!

# VENUE FOH Rack—Processing and Local I/O Component

## FOH Rack Options

FOH Rack has a number of options available to meet your interface and processing needs.

**DSP Mix Engine Card**—Run more plug-ins by adding more processing power. FOH Rack comes standard with three DSP Mix Engine Cards, but you can install up to five cards for increased mixer and plug-in processing.

**MADI Option Card**—Connect your VENUE system to MADI devices (including routers, other digital mixing consoles, and mobile recording setups) and send/receive up to 64 channels of audio.

**IOx Card**—If you need extra I/O to connect additional outboard gear, the IOx Card provides an additional eight channels of analog I/O and eight channels of AES/EBU digital I/O.

**Snake Card**—Enables FOH Rack to connect to a second Stage Rack for productions requiring more than 48 inputs from the stage.

**FWx Option Card**—Record live shows and do Virtual Soundchecks using Pro Tools LE®. This option enables you to record and play back up to 18 channels of high-quality 24-bit/48 kHz audio—no Pro Tools LE hardware required.

**HDx Option Card**—Record live shows and do Virtual Soundchecks using Pro Tools|HD®. This option enables you to record and play back up to 64 channels of 24-bit/48 kHz audio with a single HDx card installed, or up to 128 channels with two HDx cards installed—no Pro Tools|HD audio interface required.



FOH Rack back panel

### FOH Rack Specifications (at 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 (2)   | USB 2.0  |
| FOH Link Connector (to D-Show Main Unit or VENUE Profile) | MIL connector                                  |
| Max FOH Link Cable Length                                 | 11 ft (3.35 m)                                 |

### FOH Rack I/O (standard configuration)

|  |  |
|--|--|
| <b>Com Input</b>   |  |
| Connector  | Neutrik combi XLR/TRS  |
| Phantom Power  | +15V @ 6mA (switchable on FOH Rack back panel)                             |
| Gain   | –2 dBu to –32 dBu, 6 steps   |
| Input Impedance  | 20K Ohms   |
| <b>Analog Inputs 1–8; 2-Track Analog Inputs</b>                |  |
| Connector  | 1/4-inch TRS   |
| Maximum Input Level  | +24 dBu  |
| Input Impedance  | 10K Ohms   |
| <b>Analog Outputs 1–8; 2-Track Analog Outputs; Monitor L/R</b> |  |
| Connector  | 1/4-inch TRS   |
| Maximum Output Level   | +24 dBu  |
| Output Impedance   | 50 Ohms  |
| <b>Digital Inputs (switchable between AES and S/PDIF)</b>      |  |
| <b>2-Track AES</b>   |  |
| Connector  | XLR3-F   |
| Format   | AES/EBU  |
| Word Length  | 24-bit   |
| Sample Rate  | 48 kHz   |
| Sample Rate Conversion   | 3:1 ratio  |
| <b>2-Track S/PDIF</b>  |  |
| Connector  | RCA coaxial  |
| Format   | S/PDIF (IEC-60958)   |
| Word Length  | 24-bit   |
| Sample Rate  | 48 kHz   |
| Sample Rate Conversion   | 3:1 ratio  |
| <b>Digital Outputs (switchable between AES and S/PDIF)</b>     |  |
| <b>2-Track AES</b>   |  |
| Connector  | XLR3-M   |
| Format   | AES/EBU  |
| Word Length  | 24-bit   |
| Sample Rate  | 48 kHz   |
| Sample Rate Conversion   | Yes  |
| Dithering  | None   |
| Channel Status Info  | Pro, Audio 48K, No Emphasis  |
| <b>2-Track S/PDIF</b>  |  |
| Connector  | RCA coaxial  |
| Format   | S/PDIF (IEC-60958)   |
| Word Length  | 24-bit   |
| Sample Rate  | 48 kHz   |
| Sample Rate Conversion   | Yes  |
| Dithering  | None   |
| Channel Status Info  | Consumer, Audio, 48K, Non-copy, 2-Channel, General Category, Level 2 Clock |

For more information visit [www.avid.com/fohrack](http://www.avid.com/fohrack)

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