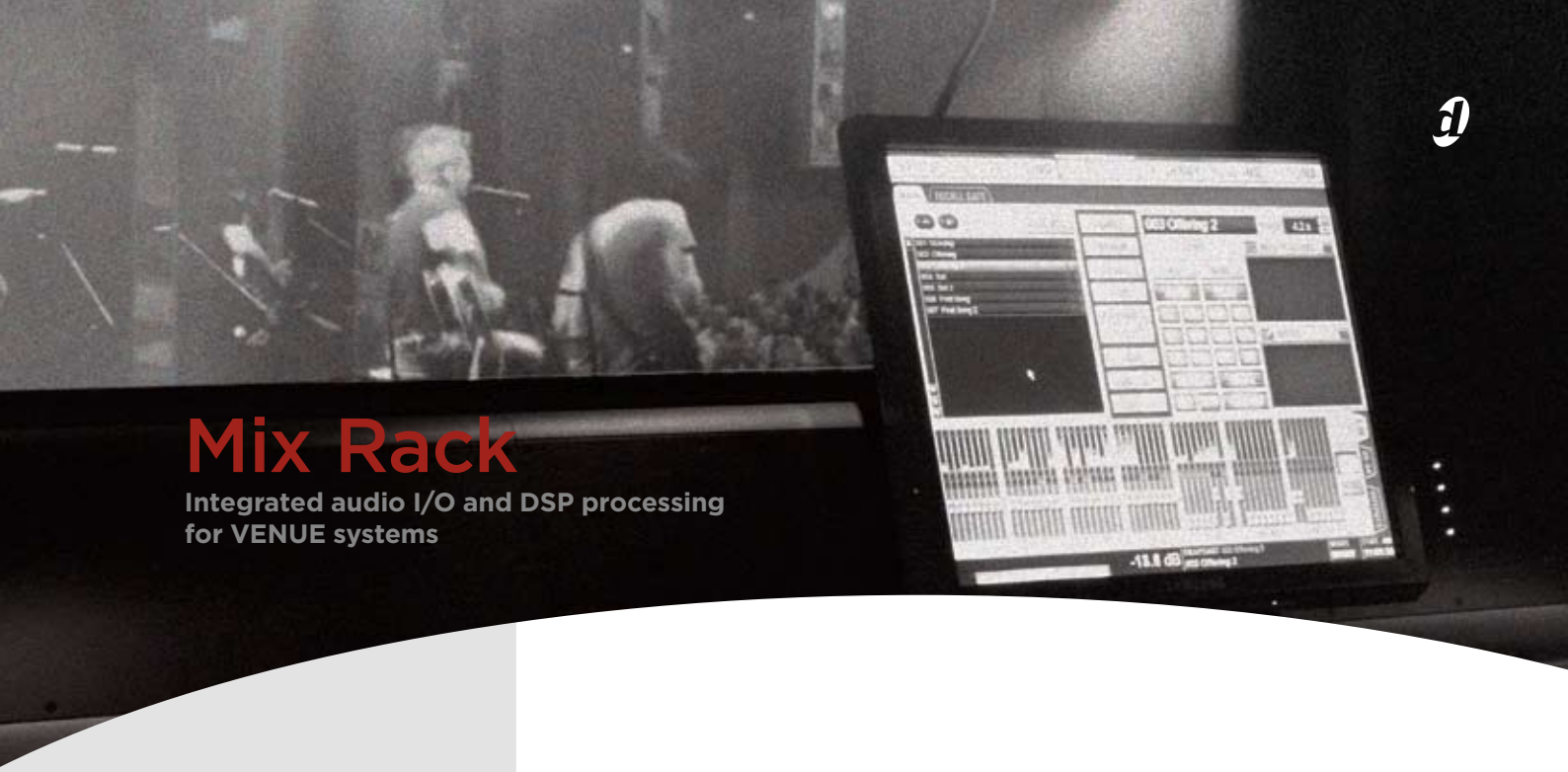


Mix Rack

Integrated audio I/O and DSP processing for VENUE systems

Features

- Most affordable entry into the VENUE live sound environment
- Integrates I/O and processing into a single compact 11-space rack
- Full compatibility with D-Show and D-Show Profile consoles
- Complete show file portability across all VENUE systems
- Full complement of primary and ancillary I/O
- Expandable DSP for more TDM plug-in processing power
- Comes with D-Show 2.7 software and VENUEPack 3.0
- ECx Ethernet port included for remote system control
- Compatible with HDx and FWx option cards for Pro Tools system integration
- Customizable I/O with flexible Mix Rack options

The Digidesign® VENUE live sound environment represents the state-of-the-art in live sound production and recording, delivering studio-grade audio, unprecedented reliability, and maximum flexibility to today's most demanding mixers, engineers, and artists. Comprised of a mixing console, I/O and processing system, and D-Show® software, the VENUE system has become a standard fixture at a wide range of venues—from the biggest festivals and tours to houses of worship, theaters, corporate A/V events, and broadcast environments. And now with the introduction of Mix Rack, VENUE breaks new ground, offering unrivalled flexibility to suit an even wider range of venues and budgets.

Mix Rack is Digidesign's most affordable entry into the VENUE line, combining all stage, local audio I/O, and DSP processing into a single compact rack enclosure.

As an alternative to the standard D-Show® FOH Rack and Stage Rack system, Mix Rack offers much of the same functionality while maintaining the established hallmarks of the VENUE live sound environment—excellent sound quality and clarity, road-proven reliability, flexible options, complete ease of use, native TDM plug-in processing, seamless integration with industry-standard Pro Tools®, full compatibility with D-Show® and D-Show Profile™ consoles, and complete show file portability.

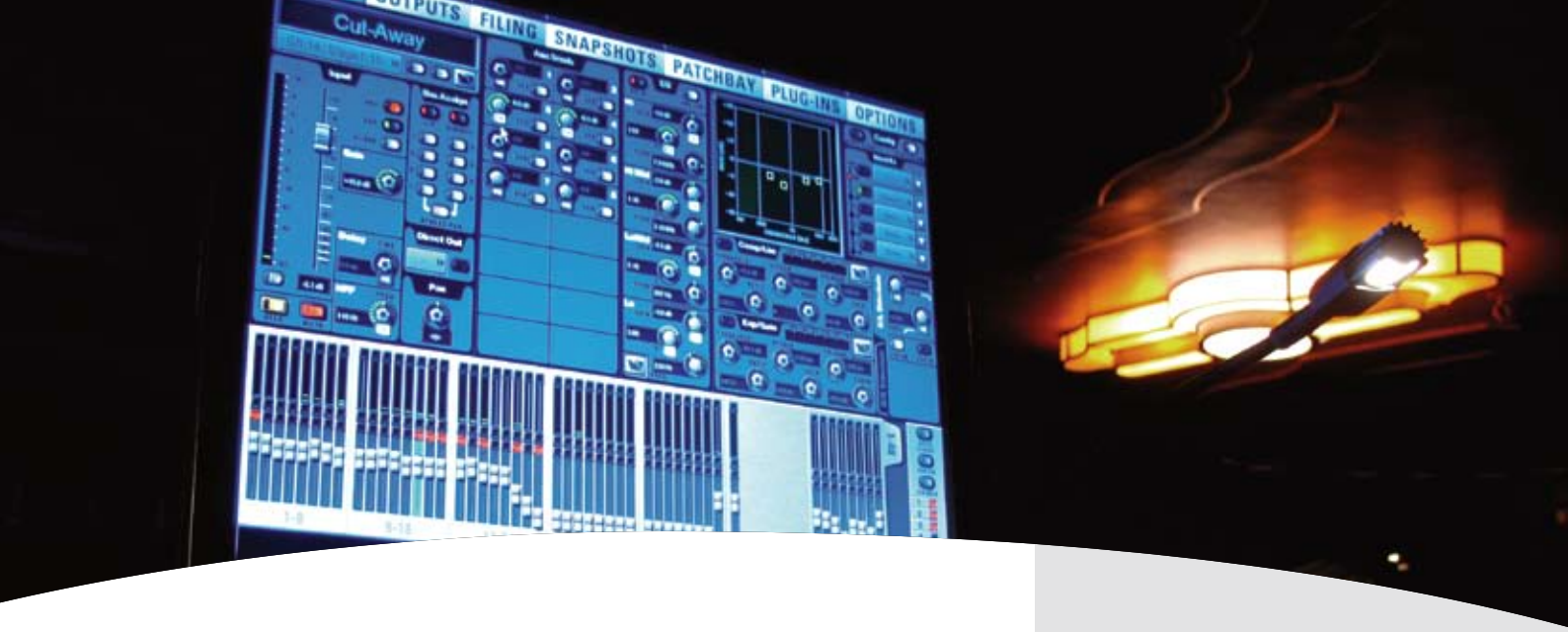
Compact Design, Compact Price

Designed with small- to mid-sized venues, houses of worship, regional sound reinforcement companies, and corporate A/V events in mind, Mix Rack offers the most affordable entry into the state-of-the-art VENUE line. For larger touring operations, Mix Rack complements your existing VENUE system supply, allowing you to scale the perfect system for your clients. Since it fulfills the functionality of the usual two-component I/O and processing system with a single 11-space rack, Mix Rack fits nicely in venues where stage real estate is at a premium. And being a single rack system, it can also easily replace an analog console; simply drop Mix Rack right into the existing analog snake system.

Integrated I/O and Powerful DSP Processing

Mix Rack offers much of the functionality of the standard FOH Rack and Stage Rack system in a single rack component, providing integrated—and expandable—audio I/O and DSP processing. (An analog snake is required to interface with Mix Rack.) The base configuration comes with two powerful D-Show Mix Engine cards (expandable to three for additional TDM plug-in processing), and a full complement of primary and ancillary audio I/O, including:

- 48 high-quality, fully recallable analog XLR mic/line inputs
- 16 analog XLR line outputs (expandable to 32)
- 8 analog TRS line inputs and outputs (assignable as discrete inputs/outputs, or as insert pairs)
- 2-track analog and digital (AES or S/PDIF) inputs and outputs
- 1x1 MIDI I/O
- Word Clock I/O (with active and signal present LEDs)
- Com/Aux input (XLR/TRS)



Mix Rack also comes with a built-in ECx Ethernet port, allowing you to gain complete remote control of all VENUE console and D-Show software functions through a connected wired or wireless Ethernet device, such as a laptop.

Full VENUE Console and Show File Compatibility

Mix Rack is fully compatible with D-Show, D-Show Sidecar, and D-Show Profile consoles, giving you added flexibility when tailoring a system to an event or venue. And because all VENUE systems operate on the D-Show software platform, you can create a show file on one VENUE system and load it onto any other VENUE system running D-Show 2.x software—regardless of the hardware configuration—for complete show file portability.

D-Show 2.7 Software and VENUEPack 3.0 Included

Mix Rack comes with the new D-Show 2.7 software, which not only provides hardware support for Mix Rack, but also offers several new features to all VENUE users to improve monitor-mixing workflows, provide system lock capabilities, and give engineers better visual insight into their mixes. D-Show software is purpose-built for the VENUE line of products, and provides complete ease of use, native TDM plug-in processing, high workflow efficiency, road-proven reliability, and unprecedented creative empowerment.

Mix Rack also comes with the powerful and newly updated VENUEPack 3.0 plug-in bundle, which offers some of the best professional processing in the industry from Digidesign®, Bomb Factory®, and Focusrite. This bundle is worth thousands of dollars just on its own!

Customize with Mix Rack Options

Like all VENUE systems, Mix Rack offers unprecedented flexibility, allowing you to add options to the system for customizing the I/O, and for direct Pro Tools integration for Virtual Soundcheck and multitrack archiving (it offers a single slot for an HDx or FWx option card). While the base configuration comes loaded with the maximum 48 inputs, Mix Rack features a modular card slot system that allows you to customize the system's number and type of I/O to suit the needs at hand. Choose from these available Mix Rack I/O options:

- **HDx**—I/O card provides up to 64 channels of Pro Tools|HD® recording/playback
- **FWx**—FireWire-based card provides up to 18 channels of Pro Tools LE® recording/playback
- **AO16 Analog Output Card**—Provides 16 analog line outputs (XLR)
- **XO16 Analog/Digital Output Card**—Provides 8 analog line outputs (XLR) and 8 digital AES outputs (XLR)
- **AT16 A-Net Output Card**—Provides 16 channels of A-Net® output for personal monitoring via Aviom® Pro16™ Series devices
- **AI16 Analog Input Card**—For customers who want a spare or replacement input card, this option provides 16 fully recallable analog mic/line inputs (XLR)

For more information about Mix Rack and the VENUE line of products, visit www.digidesign.com/venue or your local Digidesign VENUE dealer.



Specifications*

I/O

Mic Preamps	48 recallable mic preamps
Audio Outputs	16 outputs, expandable to 32 via analog, digital, or A-Net options
Ancillary I/O	• 8 TRS line inputs and outputs • Analog and digital 2-track inputs and outputs • Local monitor outputs • Com/Aux input (XLR/TRS) • MIDI input and output • Word Clock input and output
Pro Tools Interface	Optional HDx card for Pro Tools|HD (64 tracks) or FWx card for Pro Tools LE (18 tracks) recording/playback
Remote Control	ECx Ethernet port

Processing

Audio Processing Channels	48 input channels, 16 stereo effects returns (80 channels total)
Internal Processing	Up to 48-bit, fixed point, 288 dB internal dynamic range
Internal Sample Rate	48 kHz
External Sample Rate	48 kHz +/-10 ppm (Word Clock input)
Processing Delay	Less than 2.3 ms (48 channels, stage input through L–R bus to stage output)

Audio Performance

THD+N	0.003% minimum gain, -1 dBFS output, 20 Hz – 20 kHz
Frequency Response	+/-0.2 dB 20 Hz – 20 kHz, relative to 1 kHz
Dynamic Range	110 dB analog in to analog out, +24 dBu, A-weighted, 20 Hz – 20 kHz
Crosstalk	-100 dB adjacent inputs to L–R bus @ 1 kHz
Equivalent Input Noise (EIN)	-126 dBu maximum gain, 150 Ohm source, 20 Hz – 20 kHz, unweighted
Residual Output Noise	-90 dBu, 20 Hz – 20 kHz

Size / Weight / Power

Dimensions (HxWxD)	19.25 x 19 x 18 inches (489 x 482 x 457 mm)
Rack Spaces	11U
Weight	100 lbs (45.4 kg)
Power Requirements	AC 100–240V, 50–60 Hz, 360 W

** Specifications subject to change.*

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