



## LIVE SOUND EFFECTS SERVER

UAD-2 Live Rack is a 16-channel Multichannel Audio Digital Interface (MADI) effects processor for crafting live mixes with Realtime UAD Processing and industry-leading UAD Powered Plug-Ins. Up to four UAD-2 Live Rack units can be combined for 64 channels of optical MADI signal processing. The system is controlled with a Mac computer via Thunderbolt and the Live Rack application, which is specifically designed for fast, easy, and safe operation during live shows. The Live Rack app is also optimized for touch control with a Mac-compatible touchscreen display.

## REALTIME UAD PROCESSING

Each UAD-2 Live Rack unit has four SHARC DSP cores for UAD plug-in processing. The system is available in two bundled plug-in configurations: UAD-2 Live Rack Core includes a generous suite of UAD plug-ins right out of the box, including the Teletronix LA-2A and 1176 compressors, Pultec EQs, and more. UAD-2 Live Rack Ultimate includes over 90 UAD plug-ins, with exclusive titles from SSL,<sup>®</sup> Studer,<sup>®</sup> SSL,<sup>®</sup> Neve,<sup>®</sup> Manley,<sup>®</sup> Lexicon,<sup>®</sup> API,<sup>®</sup> Fender,<sup>®</sup> Moog,<sup>®</sup> and many more. Both configurations include the Antares Auto-Tune Realtime plug-in, and existing UAD users can use their licensed UAD plug-ins with UAD-2 Live Rack.\*



## KEY FEATURES

- Mix live sound with acclaimed UAD Powered Plug-Ins at near-zero latency
- Process up to 16 optical MADI channels per unit; combine up to four units for up to 64 MADI channels
- Includes Antares Auto-Tune Realtime plug-in for live pitch correction
- Dual-redundant internal power supplies with fail-over detection
- 1U rackmount form factor with fan-free design
- Store configuration Snapshot files for easy recall of all show settings
- Load Snapshot configurations via MIDI or Soundcraft Vi CUE function
- Includes a basic suite of UAD plug-ins (Core bundle) or an extensive suite of over 90 UAD plug-ins (Ultimate bundle)
- Allows use of any licensed UAD plug-in(s) in user's UAD account\*
- Two Thunderbolt 3 ports for Mac and peripheral connectivity (Thunderbolt 1 & 2 compatible)

\* Note: A small number of UAD plug-ins are incompatible with UAD-2 Live Rack. For details, visit [help.uaudio.com](http://help.uaudio.com).



## SYSTEM REQUIREMENTS

- UAD-2 Live Rack hardware unit
- Apple Mac computer with available Thunderbolt 3 port\*
- MacOS 10.13 High Sierra
- Thunderbolt 3 cable for each UAD-2 Live Rack unit
- Six gigabytes available storage

\* Thunderbolt 1 or 2 Mac can be used with appropriate adapters and cables.

- (2) single MADI Optical SC cables or (1) Duplex MADI Optical SC cable for each UAD-2 Live Rack unit
- MADI optical SC signal source & return (e.g., digital mixing console)
- Internet connection to download software and authorize UAD plug-ins

*Note: Cables and adapters are not included. Multi-unit setups cannot use duplex (paired) cables.*

## SPECIFICATIONS

SYSTEM I/O	SPECIFICATION
Thunderbolt 3	Two ports (Thunderbolt 1 & 2 compatible)
Word Clock	One input, one output
MADI Optical Ports	One input, one output
Sample Rates (kHz)	44.1, 48, 88.2, 96 (one or two units) 44.1, 48 (up to four units)
Bit Depth	24 bits per sample
System Throughput Latency	73 samples @ 48 kHz

DIGITAL I/O	SPECIFICATION
MADI Connector Type	MADI - Dual Optical SC-Plug (ISO/IEC 9314-3)
MADI Format	AES10 (64 channels)
MADI Modes @ Sample Rates of 88.2/96 kHz	Standard, Legacy
Word Clock Connector Type	BNC
Word Clock Lock Range	±0.5% of any supported sample rate
Word Clock Input Termination	75 Ohms, switchable
Synchronization Sources	Internal, Word Clock, MADI

ENVIRONMENTAL	SPECIFICATION
Operating Temperature Range	0° C to +45° C
Storage Temperature Range	-40° C to +80° C
Operating Humidity Range	60% Maximum

ELECTRICAL	SPECIFICATION
Power Supplies	Dual-redundant internal power supply units with automatic failover detection
AC Connector Type (2)	IEC with integrated power switch
AC Requirements	100V – 240V AC, 50 – 60 Hz, 0.3A
Maximum Power Consumption	30 Watts (45 Watts when bus powering external Thunderbolt peripherals)

MECHANICAL	SPECIFICATION
Chassis Dimension (W x D x H)	431.8 mm (17") x 304.8 mm (12") x 33.8 mm (1.3")
Height	1U (rack-mount)
Shipping Weight (with box & accessories)	6.3 kg (14 lbs)
Weight (unit only)	4.1 kg (9 lbs)
Package contents	UAD-2 Live Rack hardware unit (2) IEC AC Power Cables (1 each, Europe & USA) Getting Started URL card Set of (4) Rack-Mount Screws

COMPATIBILITY	SPECIFICATION
Qualified Apple Mac Computers	Latest 13" MacBook Air, Latest 13" & 15" MacBook Pro
Qualified MADI Fiber Optic Cables	Alva Suplex and Alva Duplex
MIDI Control (Snapshot Recall & Tempo)	Any source in Audio MIDI Setup.app (device may require MIDI driver)
Soundcraft Vi CUE Functionality	Snapshot Store and Recall via Ethernet (requires Ethernet adapter and cable)
MADI Coaxial Format	Requires additional MADI Coaxial to Optical adapter and BNC cabling
Acer T232HL Touch Screen for single-touch control	Requires both monitor (DVI/HDMI) and USB connections to Mac



[www.uaudio.com](http://www.uaudio.com)

For complete technical information and operation manuals, visit [help.uaudio.com](http://help.uaudio.com)