

Fairlight Audio Accelerator



Fairlight Audio Accelerator with DaVinci Resolve 17 offers ultra low latency for up to 2000 tracks, cascading bus management with FlexBus and real time processing, and one coax MADI I/O with up to 64 inputs and outputs at 24 bit/48kHz! The single width PCIe card connects to the Fairlight Audio Interface with a proprietary interface to synchronize to house reference via the interface word clock, AES, MADI or HD Tri-sync or reference video inputs.

\$995

Connections

MADI Inputs

1 x MADI input via 75 ohm BNC

MADI Outputs

1 x MADI output via 75 ohm BNC

MADI Expansion

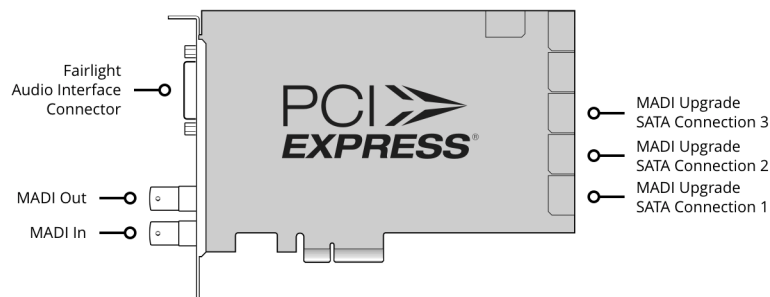
Supports Fairlight Audio MADI Upgrade via SATA connectors 1, 2 and 3.

I/O Expansion

Supports Fairlight Audio Interface via multi-pin connector on shield.

PCI Form Factor

Single half length PCIe x4 board



Product Specifics

Sampling

44.1, 48, 96 and 192 KHz with minimum 32 bit floating point processing.

Channel Structure

Verified using Mac Pro 7,1 with Intel CPU.

Core Audio

Track count organized from mono to 26.0.
 2000 Mono Audio Tracks at 48kHz.
 1000 Mono Audio Tracks at 96kHz.
 500 Mono Audio Tracks at 192kHz.

Total Busses

256 Busses plus 512 Bus elements at 48kHz.

256 Busses plus 256 Bus elements at 96kHz.

256 Busses plus 128 Bus elements at 192kHz.

Record Channels

128 at 48kHz.

64 at 96kHz.

32 at 192kHz.

Additional Record Channels

When used with Core Audio plus Fairlight Accelerator.

256 at 48kHz.

128 at 96kHz.

64 at 192kHz.

Channel Facilities

Elastic wave time warping and sample rate conversion.

Six band EQ.

Expander/gate, compressor and limiter.

Up to six Resolve, VST or AU plugins. Direct out.

Four band clip based EQ.

Up to six Resolve, VST or AU clip based plugins.

Mono, stereo, 5.1, 7.1 up to 26.0 and other 3D channel formats.

In place solo.

Up to 16 VCA groups.

FlexBus Structure

Up to 512 mono bus elements, organized in any format from mono to 26.0.

Mono, stereo, 5.1, 7.1 up to 26.0 and other 3D bus formats.

Up to 10 bus sends per channel and bus with independent level control.

Up to 10 post fader bus sends per channel and bus.

Automatic and flexible delay compensation.

Bus Facilities

Four band EQ.

Compressor and limiter.

Up to six Resolve, VST or AU pre fader plugins.

Direct out.

Plug-ins

Up to six Resolve, VST or AU plug-ins on any channel or bus.

Tactile control of plug-ins from the Fairlight audio editor.

Plug-ins are fully controllable with automation.

Monitoring

Up to four simultaneous sources.

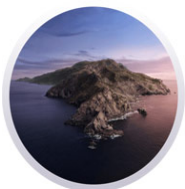
Source from internal buses or external inputs.

Up to 16 different speaker sets.

Customizable fold up and fold down when crossing formats.

Optional B-Chain processor for cinematic setups with up to 64 speakers.

Operating Systems



Mac 10.15 Catalina or later.



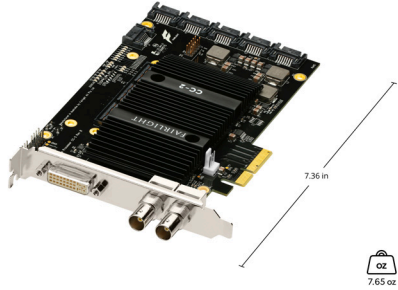
Windows 10, 64-bit.

Power

Power Usage

14W

Physical Specifications



Environmental Specifications

Operating Temperature

0° to 40°C (32° to 104°F)

Storage Temperature

-20° to 60°C (-4° to 140°F)

Relative Humidity

0% to 90% non-condensing

What's Included

Fairlight Audio Accelerator

Warranty

1 Year Limited Manufacturer's Warranty.

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