Fairlight Audio Accelerator

Fairlight Audio Accelerator with DaVinci Resolve 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.

$1,135

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, not including Apple silicon systems.
Windows 10, 64-bit.

Power

Power Usage
14W
Physical Specifications

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° to 40°C (32° to 104°F)</td>
<td>-20° to 60°C (-4° to 140°F)</td>
<td>0% to 90% non-condensing</td>
</tr>
</tbody>
</table>

What's Included

Fairlight Audio Accelerator

Warranty

1 Year Limited Manufacturer's Warranty.

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