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.

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

<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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