

# FAIRLIGHT



## Next Generation Audio Post Platform

### Fairlight's ultimate PowerPack - the new V5 software and CC-2 hardware

Fairlight's second-generation Crystal Core (CC-2) is the most powerful post production audio engine ever created, with:

- 1,000 playback tracks
- 100+ output buses
- 100 live inputs.

Teamed with V5, Fairlight's fifth major software release, CC-2 is the professional solution for the demanding delivery requirements of today's broadcast industry.

### Upgradability Ensured

Continuing a long tradition of seamless upgrade paths, Fairlight has ensured that CC-2 is compatible with all audio hardware purchased with the CC-1 engine. Existing Fairlight customers can easily upgrade to the new CC-2 without having to replace their current audio interfaces or control surfaces, extending the life of their investment whilst increasing their system's capacity.

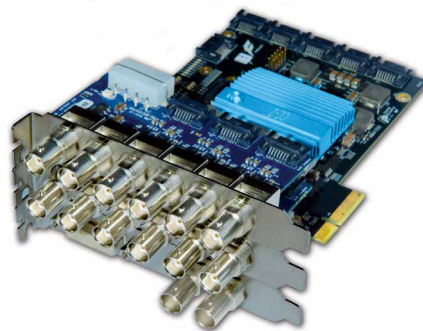
After introducing the world's first audio post FPGA engine in 2006, Fairlight's 2nd generation engine features a processor chip more than 5 times as powerful, with 4 times the PCIe bandwidth, a new dual channel memory architecture, on-board expansion slot and almost twice the MADI connectivity.

### New V5 Editing Features

Augmenting Fairlight's renowned editing model, V5 sees the addition of ClipBender, an enhanced time compression and expansion feature allowing audio within a single clip to be aligned to picture, with multiple bend points and real time non-destructive processing.

Other editing enhancements include: improved track display management with flexible track sizes and colours; non-destructive waveform drawing; and direct linking with 3rd-party external waveform processes.

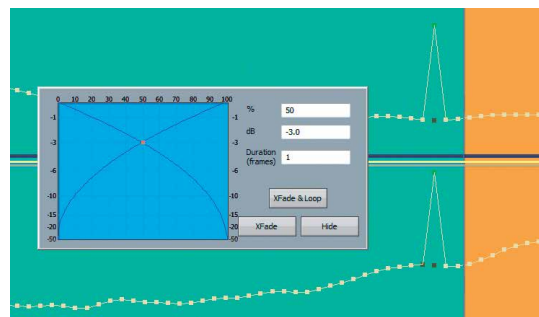
Navigation and selection within large projects is now even faster, with edit selection available from the main meter bridge as well as the clip search window, whilst the new jump to transient feature allows fast location within sparse clips.



CC-2 with optional MADI expansion cards



1,000 tracks in action



X-Fade and waveform editing

## V5 Architecture

V5 has advanced to a full 64-bit application, allowing unrestricted access to the full power of Intel's latest processors and Microsoft's operating systems. The associated increase in memory and speed delivers more simultaneous plug-ins, more video formats and larger media files.

A new video engine adds support for: 4K video resolution; real-time scaling of media to current output format; and full-screen video preview to a separate monitor. On the codec front, HEVC decoding has now been added as a built in format.

Other productivity enhancements include support for Fairlight's SMART.Cart sample player, deep integration with Quantel's QTube media servers, customised AAF workflows via extended iCAN integration and upgraded bin and clipstore systems.

The following summary highlights the differences between the CC-1 based and the CC-2 based feature set of 5.0 software.

### CC-1 and CC-2 Comparison

Features	CC-1	CC-2
32-bit	Yes	
64-bit		Yes
Tracks	192	1000
Buses	72	128
MADI Streams	4	7
Faster than real-time mixdown	No	Yes
Enhanced monitoring	No	Yes
Enhanced bus to bus mixing	No	Yes
Enhanced plug-in management	No	Yes
PCIe lanes	1	4
Memory/Channels	0.5GB with 1 channel	1.25GB with 2 channels
Expansion slot	No	Yes

**CC-2 is a quantum leap in processing power and when combined with Fairlight's intuitive user interface, tactile control surfaces featuring unique, self-labelling Picture Keys, it delivers the fastest workflows of any system on the market.**

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