fairlight

CMI-30A

30TH ANNIVERSARY EDITION

When the Fairlight CMI arrived on the scene in the eighties it changed the way we make music, forever.

Today every sampler, digital synthesiser, and audio workstation can trace its lineage back to this legendary machine. Known for its solid, hand-built quality and iconic sounds, the Fairlight CMI holds a special place in history and in the hearts of musicians everywhere.

Now, after thirty years, the Fairlight CMI returns. With all the character of the original, the 30A delivers a major nostalgia hit. Featuring the hallmark look and feel of the original Fairlight, the 30th anniversary CMI harnesses the latest technology to deliver the 'Fairlight sound' no other system has achieved.

As you crank up the 30A's unique 'goodness control', the quality morphs from pristine 24 bit floating point fidelity into the soulful sound that made music history. Turn it up to 11 and it sounds more Fairlight than Fairlight – chock full of eighties goodness!
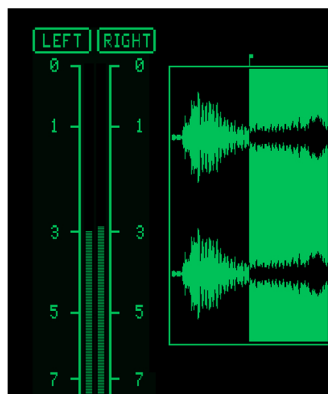
With Fairlight father Peter Vogel at the helm, Fairlight Instruments brings a little eighties magic to the cold, hard digital world.

www.petervogelinstruments.com.au

THE LEGEND RETURNS

SPECIFICATIONS

The CMI-30A is a unique instrument, combining the latest technology with the look and feel of the original Fairlight CMI. It achieves the classic Fairlight sound that defined music of the eighties, as well as the modern Fairlight sound — that of uncompromising signal purity.

Both these extremes are made possible by the extraordinary processing power of the Crystal Core engine which lies at the heart of the system. The CC-1 uses 21st century technology, including an FGPA (field-programmable gate array), to achieve performance far in excess of what can be achieved using even the fastest digital signal processor of conventional design.

CMI-30A HARDWARE SPECIFICATIONS

Mainframe
Free-standing unit

3GB Sample RAM, 500GB hard drive, DVD R/W drive, USB ports

Audio Outputs:

6 channels analogue, balanced XLR connectors

2 channels analogue monitor mix, balanced XLR (front panel access), and headphones (6.5mm TRS)

Dynamic range > 100 dB (unweighted)

THD < 0.002% @ 1kHz, -1dBFS

Frequency response +0.05 / -0.15 dB, 20 Hz – 20kHz

Digital: 6 channels S/PDIF

Audio Inputs:

2 balanced mic/line inputs XLR, phantom power 48V option

Sample rate: 44.1, 48 kHz

THD < 0.002% @ 1kHz, -1dBFS

Frequency response +0.05 / -0.15 dB, 20 Hz – 20kHz

Digital: 2 channels S/PDIF

Other I/O:

MIDI, MIDI Timecode, input and output 5 pin DIN

LTC (Linear time code) input and output

Word clock and Video Sync inputs

Physical:

Welded steel enclosure

Width 58cm Depth 50cm Height 30cm, 32kg

Music keyboard

Action:

Fatar 76 key TP40GH with weighted keys and hammer action for a real piano feel, velocity and aftertouch

Power:

100-240V AC 9W

Outputs:

MIDI, USB

Controls:

Pedal x 3, pitch wheel, mod wheel, 3 assignable rotary controls, 2 assignable switches, assignable multitouch controller

Physical:

Width 130cm Depth 44cm Height 9.5cm, 25kg

Monitor

Monitor:

LCD 17" 1280 x 1024 pixels

Lightpen:

Pointer with left/right click button Precision machined stainless steel for superior feel

Power:

100-240V AC 50W.

Physical:

Width 51cm Depth 28cm Height 38cm, 12kg

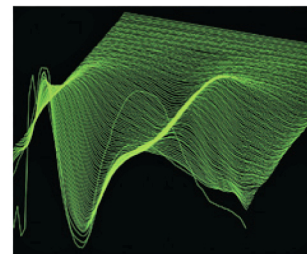### QWERTY keyboard

85 keys, USB output

Physical:

Welded aluminium enclosure. Width 34cm Depth 19cm Height 5.6cm, 1.1kg

FUNCTIONAL SPECIFICATION

The original Fairlight CMIs were renowned not only for their superb sound quality, but also their elegant and intuitive software.

The CMI-30A combines the very best features of the Fairlight series IIX and the III, with significant new developments.

Sound quality is continuously variable using the unique "goodness" control which spans from Series I, II, or III quality to "best possible" 24-bit floating point.

The base 30A system offers 24 tracks and channels with 24 polyphonic instruments each holding 1024 samples. Every parameter for every sample is able to be modulated by one of 100 user-defined functions allowing hand drawing of ADSR and filter cutoff curves, etc.

Hardware and software development is an ongoing process. Please refer to www.petervogelinstruments.com.au for updates as development continues.

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