Blackmagicdesign

Fairlight Audio Interface

Fairlight Audio Interface is a professional audio post production I/O interface with an extensive variety of analog and digital inputs and outputs, preamps for microphones and instruments, built in sample rate conversion, sync at any standard frame rate and dual 9-pin control ports! Fairlight Audio Interface requires Fairlight Audio Accelerator and connects to the Fairlight Audio Interface with a supplied proprietary interface cable.

$2,295

Connections

Analog Audio Inputs

2 x remote controlled XLR/TRS microphone inputs with 48v phantom power / instrument preamps.
8 x +24dBu balanced analog inputs.

Analog Audio Outputs

12 x +24dBu balanced analog outputs with mute protection.

Digital Audio Inputs

9 x fully transformer coupled AES stereo digital inputs.
1 x S/PDIF input with sample-rate conversion.

Digital Audio Outputs

11 x AES stereo digital outputs.
1 x stereo digital S/PDIF output.
Standard 25pin Tascam interface for Analog and AES looms.

Sync Input

1 x 75 ohm BNC Reference input. Tri-Sync or Black Burst.
1 x 75 ohm BNC word clock input.

Sync Output

1 x 75 ohm BNC Reference loop out. Tri-Sync or Black Burst.
1 x 75 ohm BNC word clock regenerated output.
Sync to all common frame rates and formats including HD Tri-level sync, video sync, word-clock and AES/EBU.

Device Control

1 x RS-422 9-pin machine control input.
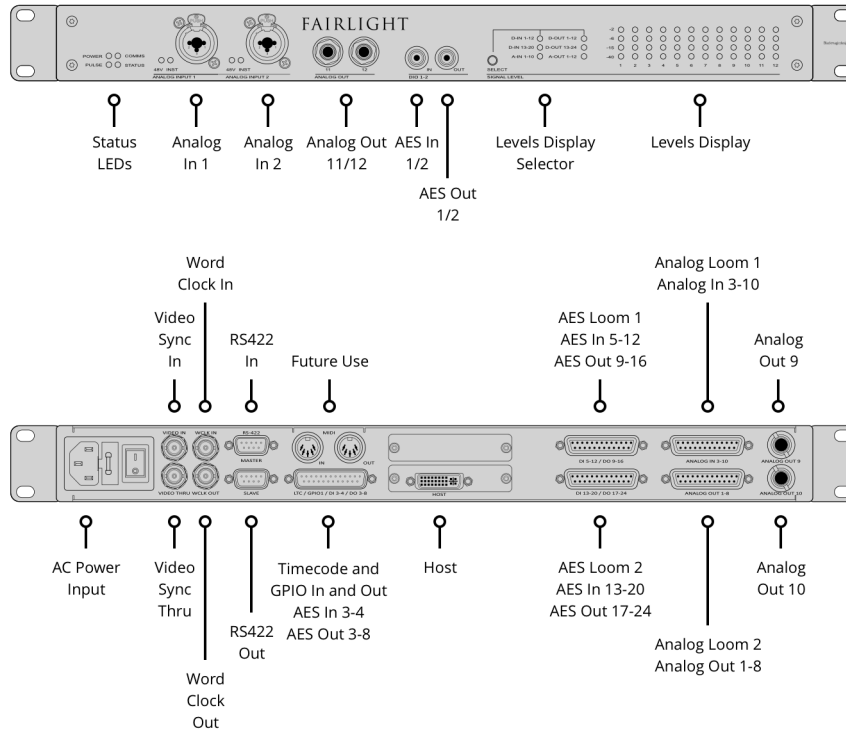1 x RS-422 9-pin machine control output.

Timecode

Timecode input and output with regeneration.

MIDI

For future use

GPIO

GPI and GPO connections for cough and 'On-Air' control

Status LEDs · Analog In 1 · Analog In 2 · Analog Out 11/12 · AES In 1/2 · AES Out 1/2 · Levels Display Selector · Levels Display

Video Sync In · Word Clock In · RS422 In · Future Use · AES Loom 1 AES In 5-12 AES Out 9-16 · Analog Loom 1 Analog In 3-10 · Analog Out 9

AC Power Input · Video Sync Thru · Word Clock Out · RS422 Out · Timecode and GPIO In and Out AES In 3-4 AES Out 3-8 · Host · AES Loom 2 AES In 13-20 AES Out 17-24 · Analog Loom 2 Analog Out 1-8 · Analog Out 10

Product Specifics

Sample Rate:
44.1, 48, 96, 192 kHz

Max Input:
Inputs 1-2 (mic): +2.5dBu
Inputs 1-2 (instrument): +24dBu
Inputs 3-10 (Line): +24dBu

Gain Range:
Inputs 1-2: Mic Inputs: 50dB gain range (+21.5 to +71.5dB)
Inputs 1-2 : Instrument Setting: 50dB gain range (+0 to +50dB)

Mic E.I.N (unweighted):
Inputs 1-2: -127dBu @40dB (61.5dB)
Gain: 150 ohm source, 20Hz - 20kHz
THD+N (mic input)
Inputs 1-2: <0.001%@ 1kHz, -1 dBFS at 0dB gain
Inputs 1-2: <0.004%@ 1kHz, -1 dBFS at 40dB (61.5dB) gain

THD+N (line input):
Inputs 1-2: <0.001%@ 1kHz, -1 dBFS after 0dB gain (unweighted)
Inputs 3-10 : <0.001 % @ 1 kHz (unweighted)

Dynamic Range (line input)
Inputs 1-2 : 108dB @ 0dB gain (unweighted)
Inputs 3-10: 110dB (unweighted)

Input Frequency Response
+0.05/-0.05dB, 20Hz - 20kHz

Input Impedance:
Inputs 1-2 (XLR) : 2k ohm
Inputs 1-2 (1/4"): >1M ohm
Inputs 3-10: 15k ohm

Max Output:
Outputs 1-12: +24 dBu

THD+N (Line Outputs):
Outputs 1-12: <0.002%

Dynamic Range (Line Output):
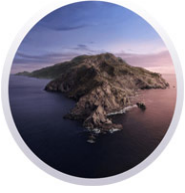Outputs 1-12 : 109 dB (unweighted)

Output Frequency Response:
+0.05/-0.5dB, 20Hz - 20kHz

Output Impedance:
Outputs 1-12 : 50 ohms

Operating Systems

Mac 10.15 Catalina or later.

Windows 10, 64-bit.

Power Requirements

Power Supply
Internal 100 - 240V AC 50/60Hz with IEC C14 mains input.

Power Usage
40W

Power Management
Automatically powered-on/off only when the Fairlight Audio Accelerator is powered on.

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 Interface
Fairlight Audio Interface multi-pin cable to connect to Fairlight Audio Accelerator.

Warranty

1 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller