

Echo Audiofire Pre-8 Audio Firewire Interface

Technical Specifications:

Hardware Features:

- FireWire (IEEE 1394a) interface with 15' cable
- Brilliant™ Mic Preamps
 - THAT Corp Silicon
 - Isolation of discretes
 - Matching of monolithics
 - High Slew Rate
 - Low Noise (-130 dBu EIN)
 - Crystal clear transparency
- 2 Full Featured Mic/Line/Instrument Inputs
 - Mic phase, Impedance, Pad, Hi-Pass
 - Input Trim with 4-level LED meters
 - Individual +48v phantom power
 - 1/4" Balanced Line inputs (TRS)
 - Direct Input high impedance switch
 - 1/4" channel inserts
- 6 Mic/Line inputs
 - Input Trim with 4-level LED meters
 - 48v phantom power
 - 1/4" Balanced Line inputs (TRS)
- S/PDIF I/O (coax and optical) at 24-bit/96 kHz
- ADAT I/O
- MIDI I/O
- Sync via Word, ADAT, or S/PDIF
- 2 Stereo headphone outputs with volume knob
- Single rack space
- Near zero latency hardware monitoring

Software Features:

- Software console controls mixing and monitoring
- Supports all major pro audio software:
 - Low Latency ASIO 2.0
 - WDM kernel streaming mode
 - GSIF 2.0 (Gigastudio w/ low latency MIDI) (32-bit Windows XP, Vista & Windows 7 only)
 - CoreAudio & CoreMIDI

Analog Inputs:

- 8 auto-sensing Mic/Line/Hi-Z inputs
 - With Echo's Brilliant™ preamp technology
 - Analog trim
 - 48v phantom power
 - 2 1/4" channel inserts
 - Accepts unbalanced signals

- +4dBu / -10dBV nominal levels
- Frequency Response: 10Hz-20kHz, ± 0.1 dB
- Dynamic Range: 112dB A-weighted
- THD+N: <0.002% A-weighted

Analog Output:

- 8 1/4" balanced outputs (TRS)
- Frequency Response: 10Hz-20kHz, ± 0.1 dB
- Dynamic Range: 113dB A-weighted
- THD+N: <0.002% A-weighted
- +4dBu / -10dBV nominal levels

General Converter Specs:

- 128x Oversampling converters
- 24 bit data resolution maintained throughout signal path
- Multiple standard sampling rates supported: 32k, 44.1k, 48k, 88.2k, 96k

S/PDIF Digital Input/Output:

- Up to 24 bit resolution
- Coaxial and optical connector
- Consumer/Professional Switch
- Sample rates from 32kHz - 96kHz supported

ADAT Digital Input/Output:

- Up to 24 bit resolution
- Optical connector
- Consumer/Professional Switch
- 8 channels of ADAT at 32kHz - 48kHz sample rate
- 4 channels of ADAT at 88.2kHz - 96kHz sample rate with S/MUX format

Input Impedance (to ground for each + and – input):

- Mic Inputs 1 - 2: 1.50K (normal)
- Mic Inputs 1 - 2: 500 ohms (LoZ switch on)
- Mic Inputs 3 - 8: 1.47K
- Line Inputs 1 - 2: 11.7K
- Line Inputs 3 - 8: 10K

MIDI:

- MIDI input
- MIDI output

Digital Sync:

- WordClock I/O
- S/PDIF coaxial I/O
- S/PDIF optical I/O
- ADAT I/O

Headphone Output & Main Output Volume Knob:

- 2 High quality ¼" headphone jack
- Headphone volume control on front panel
- Main output volume control on front panel

Dimensions:

- 19"(w) x 7"(d) x 1 3/4"(h)
- Fits in a single rack mount space