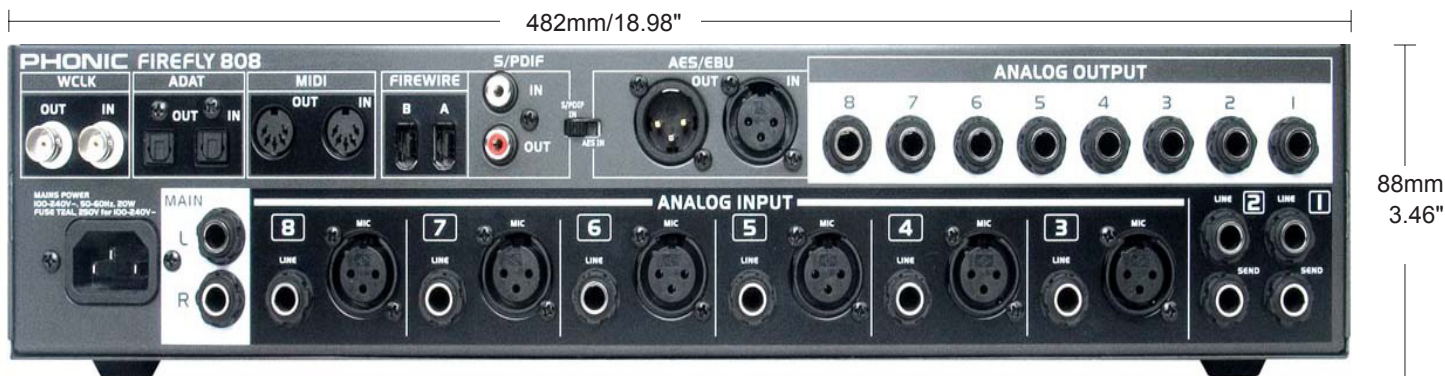


Firefly 808

Studio Recording Pre-amp and 192kHz FireWire Interface



The new Phonic Firefly 808 Rack-mountable FireWire unit is an easy-to-use, high-quality interface for songwriters to record guitars, keyboards, vocals and more to the computer. Featured are 8 analog (XLR and 1/4") inputs and 8 analog (1/4") outputs, as well as S/PDIF, AES/EBU, MIDI and ADAT inputs and outputs - all of which are streamed to and from the computer in real time through the 24-bit/192kHz FireWire connection. Compatible with the most popular of Digital Audio Workstation software, this powerful unit provides recording musicians and engineers alike with the kind of sophisticated yet easy-to-use recording device they require. .

- ▶ FireWire (IEEE 1394) audio interface
- ▶ 24-bit resolution, up to 192 kHz sampling rate
- ▶ 18 simultaneous inputs and outputs FireWire audio interface
- ▶ 8 microphone preamps w/ trim control and individual phantom power switches
- ▶ 8 analog line Inputs including 2 Instrument Inputs
- ▶ 8 channels of optical ADAT I/O (4 ch. via 96k dual SMUX)
- ▶ S/PDIF I/O, AES/EBU I/O, MIDI I/O and word clock I/O
- ▶ Headphone output and Main output with volume control for monitoring purpose
- ▶ Channel meters on channel 1 to 8 for input or output
- ▶ Synchronization, sampling rate, digit I/O and MIDI in/out indicators
- ▶ Dual FireWire ports for daisy chaining and direct connection to Mac or PC
- ▶ Stand-alone mixer functionality for field and studio use without computer
- ▶ Instrument input, pad switch, balanced TRS send jacks on Inputs 1 and 2
- ▶ Compatible with Windows XP / Vista / 7 and Mac OSX
- ▶ Steinberg Cubase LE 4 DAW software included

SPECIFICATION

Frequency in Response	
Mic input to Line output (Gain@unity)	0.5,0.5 dB,20 Hz to 30 kHz
Mic input to Digital Output(AES,96kHz sample rate)	0,0.2 dB, 20 Hz to 85 kHz
Distortion (THD & IMD)	
Mic Input to Line Output (@+4dB output)	THD+N:<0.001%, 20 Hz to 85 kHz 1 kHz input@+4dBu,preamp at unity gain
Mic Input to Digital Output(AES,48 kHz sample rate)	THD+n:<0.004%,10mV rms input, gain at -1dB FS output
Dynamic Range	>110 dB (through A-to-D converters) >120 dBu (Mic in to Line Out)
Noise	
Signal-to-Noise (A-weighted)	>100 dB (ref.+4 dBu, Mic In to Line Out, Gain @ unity)
Equivalent Input Noise (E.I.N), 20 Hz to 20 kHz Bandwidth, 150Ωsource impedance	129 dBu@+60 dB Gain @ maximum
Residual Output Noise	LineOut<-100 dBu (Channel Gain at unity) Digital Out: (AES,48 kHz) <-110 dB FS
Common Mode Rejection Ratio (CMRR)	Mic In:+10 dB to +60 dB Line In: -10 dB to +40dB
Crosstalk(Mic Input to Line Output)	Mic In:>60dB@1 kHz,+10 dBu signal on adjacent input, 150Ω source impedance
Input Gain Control Range	Mic In: 10 dB to + 60 dB Line In: 10 dB to +40 dB
Phantom Power	48 VDC
Rated Output	Line: 4 dBu
Maximum Input Levels	Mic Input: 22 dBu, Gain @ unity Inst Input: 21 dBu, Gain @-20 dB Line Input: > 22 dBu, Gain @ 0 dB
Input Impedance Ch 1 and 2 Mic Input	1.1 kΩ
Ch 3 through 8 Mic Input	1.1 kΩ
Inst Input	500 kΩ
Line out	22 kΩbalanced,11kΩunbalanced
Signal Level LEDs	100 Ωbalanced
Sample Frequency Selections	40,20,10 dBu, 0 dBu (normal operating level),OL= 18 dBu
Input & Output connectors	44.1 kHz, 48 kHz, 88.2 kHz, 176.4 kHz, 192 kHz, External
Analog Input Connectors	Two combo jacks; Six balanced XLR mic inputs Two 1/4"TS high-impedance instruments inputs (through combo jack) Eight 1/4" TRS balanced line inputs
Analog Output Connectors	Thirteen 1/4" TRS outputs and one for headphones
Digital Input Connectors	RCA for S/PDIF, XLR for AES, BNC for external word clock and Toslink Optical outputs
Digital Output Connectors	RCA for S/PDIF, XLR for AES, BNC for external word clock and Toslink Optical outputs
Two Toslink Optical Connectors	Transmit channels 1-8 at 44.1/48 khz operation Transmit channels 1-4 at 88.2/96 kHz operation
AC Power Requirements	Power Consumption: 60 watts Universal AC Power Supply: 100 VAC 240 VAC, 50-60Hz
Dimensions	482 x 88 x 290.10 mm (18.98"x3.46"x11.42")
Weight	4.53kg (10 lbs.)