

Firefly 808 Universal

Firefly 808 Universal Studio Recording Preamps with 192 kHz USB/FireWire Interface

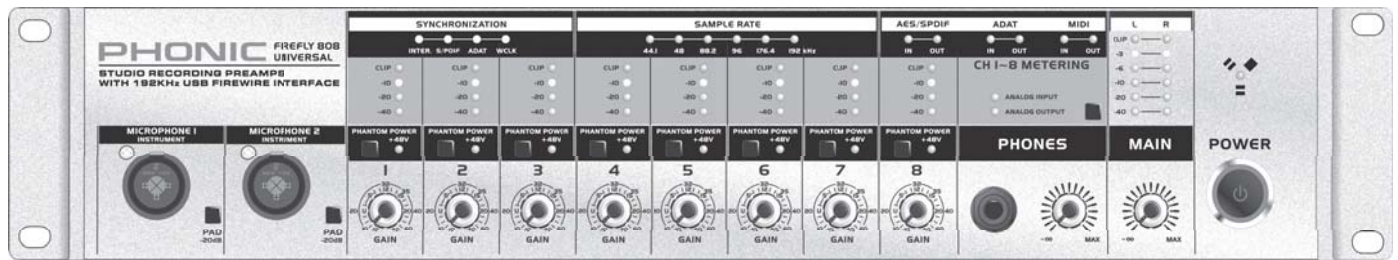
FireWire (IEEE 1394) and USB 2.0 audio interface

24-bit resolution, up to 192 kHz sampling rate

18 simultaneous inputs and outputs FireWire/USB audio interface

Compatible with Windows XP/Vista and Mac OSX

Steinberg Cubase LE 4 DAW software included



FEATURES:

- ▶ FireWire (IEEE 1394) and USB 2.0 audio interface
- ▶ 24-bit resolution, up to 192 kHz sampling rate
- ▶ 18 simultaneous inputs and outputs FireWire/USB 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
- ▶ 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 and Mac OSX
- ▶ Steinberg Cubase LE 4 DAW software included

The new Phonic Firefly 808 Universal Rack-mountable preamplified unit with USB 2.0 and FireWire interface is an easy-to-use, high-quality recording 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 FireWire or USB connection in superb 24-bit/192kHz audio. 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.

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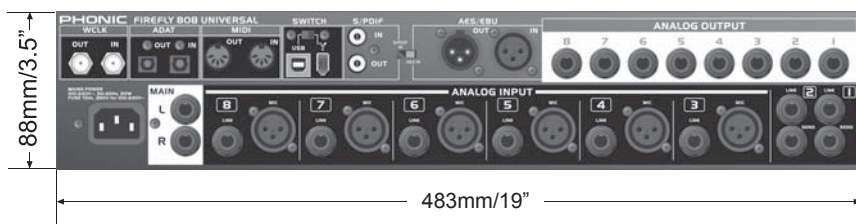
SPECIFICATIONS

Frequency Response	
Mic Input to Line Output (Gain @ unity):	+0.04, -0.26 dB, 20 Hz to 20 kHz
Mic Input to Digital Output (AES, 96 kHz sample rate):	+0, -0.2 dB, 20 Hz to 85 kHz
Distortion (THD & IMD)	
Mic Input to Line Output (@ +4 dBu output):	THD+N: < 0.001%, 20 Hz to 20 kHz BW, 1 kHz input @ +4 dBu, preamp at unity gain
Mic Input to Digital Output (AES, 48 kHz sample rate):	THD+N: < 0.004%, 10mV rms input, gain at -1 dB FS output
Dynamic Range	>110 dB (through A-to-D converters) >120 dB (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, 150Ω source impedance:	-129 dBu @ +60 dB gain
Residual Output Noise:	Line Out: < -100 dBu (Channel Gain at unity) Digital Out (AES, 48 kHz): < -110 dB FS
Common Mode Rejection Ratio (CMRR)	Mic In: >60 dB @ 1 kHz, Gain @ maximum
Crosstalk (Mic Input to Line Output)	< -100 dB @ 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, individual switches
Rated Output	Line: +4 dBu
Maximum Input Levels	Mic Input: +12 dBu, Gain @ unity Inst Input: +20 dBu, Gain @ -20 dB Line Input: > +20 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 Input	22 kΩ balanced, 11 kΩ unbalanced
Line out	100 Ω balanced
Signal Level LEDs	-40, -20, -10 dBu, 0 dBu (normal operating level), OL = 14 dBu
Sample Frequency Selections	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, External
Input & Output connectors	
Analog Input Connectors	Two combo jack; Six balanced XLR mic inputs Two 1/4" TS high-impedance instrument 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 inputs
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 Transmits channels 1-4 at 88.2/96 kHz operation
Interface	USB 2.0 and Firewire ports
AC Power Requirements	Power Consumption: 60 watts Universal AC Power Supply: 100 VAC 240 VAC, 50-60 Hz
Dimensions	483 x 88 x 286 mm (19 x 3.5 x 11.25 in.)
Weight	5 kg (11 lbs.)



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Information in this document is subject to change without notice



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