



I-ONIX[™]

FW810S

FireWire[™] Audio Interface with Integrated dbx[®] Mic Preamps and Dynamics

With a wealth of features - including new dbx[®] 63V high-voltage, ultra low noise mic preamps, dbx dynamics (comparator, limiter, gate) and EQ, a hardware monitor reverb, and a software suite that includes the new Pantheon[™] II VST/AU reverb plug-in - the Lexicon I-ONIX FW810S is more than just an 10-input, 12-output FireWire audio interface. It's a pro recording studio in a single rack unit.

Newly designed dbx mic preamps are included on every channel and run on a 63V supply to guarantee headroom and provide you with a superior recording across a wide dynamic range. The preamps are exceptionally transparent and deliver deeper lows, smoother highs, and an overall fuller sound that will make your recordings sound more amazing than ever.

Ultra high-definition converters ensure pristine 24-bit/96kHz audio. And with built-in dbx Type IV[™] conversion, your digital recordings will preserve their dynamic range even when levels get too high. Now instead of hard clipping the peaks, your recordings will acquire that forgiving, oversaturated quality once found on big analog recorders. Type IV conversion actually gives you more headroom, capturing the subtle details in higher level signals instead of hard clipping them.

Plus, the Lexicon I-ONIX FW810S adds a powerful Mixer with integrated dbx dynamics (compressor, gate, limiter) and EQ. The Mixer's true-to-life user interface feels familiar from the second you start using it, making it easy to adjust levels, route signals through 10 inputs and 12 outputs, and preview reverbs and dynamics. And the I-ONIX FW810S does the processing, so you can mix and fine tune your recordings in real time with zero latency.

With so many powerful recording tools, the I-ONIX FW810S is the ultimate hardware and software interface that transforms your computer into a professional 24-bit/96 kHz recording studio.

I-ONIX FW810S KEY FEATURES

- FireWire 400 connection to DAW
- 44.1 to 96 kHz sample rates, 24-bit resolution
- 6 analog combi XLR/TRS inputs on the rear panel for mic/line inputs
- 2 front panel combi XLR/TRS inputs accept mic, line, or instrument signals
- dbx 63V high-voltage, ultra low noise mic preamps on all 8 channels
- dbx Type IV conversion eliminates hard clipping of high-level signals
- dbx dynamics (compressor, limiter, gate) and EQ on all 8 channels
- 8 analog TRS outputs (7.1 surround capable) and stereo main (control room) outs
- 5 unique stereo monitor mixes using all 10 analog channels
- 9 monitor reverb types with up to 4 adjustable parameters
- Zero latency hardware mixer
- Lexicon Pantheon II VST/AU reverb plug-in
- Software suite includes Steinberg[™]'s Cubase[™] LE4 and Toontrack[®] EZdrummer[®] Lite
- Supports Windows[®] and Mac[®] platforms



MIDI In/Out S/PDIF In/Out FireWire® 400 Ports Stereo Main (Control Room) Outs 8 Analog TRS Outputs Combi XLR/TRS Balanced Mic/Line Inputs

SPECIFICATIONS

- MICROPHONE INPUTS:** Female XLR Pin 2 Hot
- INPUT IMPEDANCE:** 3kΩ balanced
- PHANTOM POWER:** +48 Volts
- MAXIMUM GAIN:** +55 dB
- E.I.N. (AT MAX GAIN):** -127 dB @ 55 dB gain typical (150Ω source)
-130 dB @ 55 dB gain typical A-weighted (150Ω source)
- MAXIMUM INPUT LEVEL:** +8 dBu
- FREQUENCY RESPONSE:** +/-1.5 dB, 20Hz - 20kHz
- THD+N:** <0.02%, 20Hz - 20kHz
<0.002%, 1kHz, -6 dBu
- LINE INPUTS:** 1/4" TRS balanced or unbalanced
- INPUT IMPEDANCE:** 20kΩ balanced, 13kΩ unbalanced
- MAXIMUM INPUT LEVEL:** +22 dBu
- FREQUENCY RESPONSE:** +/-1.5 dB, 20Hz - 20kHz
- THD+N:** <0.02%, 20Hz - 20kHz
<0.002%, 1kHz, +18 dBu
- INSTRUMENT INPUT:** 1/4" TS unbalanced
- INPUT IMPEDANCE:** 500 kΩ
- MAXIMUM INPUT LEVEL:** +10 dBu
- FREQUENCY RESPONSE:** +/-2.5 dB, 20Hz - 20kHz
- THD+N:** <0.08%, 1kHz, +4 dBu
- LINE OUTPUTS:** 1/4" TRS balanced or unbalanced
- LEVEL:** +20 dBu maximum
- IMPEDANCE:** 32Ω Balanced, 16Ω Unbalanced
- HEADPHONE OUTPUT:** 1/4" stereo jack 250mW per channel at 50Ω
- MIDI INTERFACE:** 5 pin DIN connectors for MIDI in and MIDI out
- SAMPLE RATE:** 44.1, 48, 88.2, or 96 kHz (determined by computer application)
- DYNAMIC RANGE:** A/D (24 Bit) 110 dB typical, A-weighted, 20Hz - 20kHz
D/A (24 Bit) 110 dB typical, A-weighted, 20Hz - 20kHz
A/D/A (24 Bit) 108 dB typical, A-weighted, 20Hz - 20kHz
- POWER REQUIREMENTS:** 100 – 240 VAC, 50/60 Hz, 30 Watts
- DIMENSIONS:** 19"W x 1.75"H x 10.5"D
- WEIGHT:** 7.7 lbs.



The powerful hardware Mixer lets you easily route signal paths and apply real-time dynamics (compressor, limiter, gate) and EQ adjustments. Create your sub-mixes, choose your monitor reverb type, and start tracking.



dbx Dynamics



Parametric EQ

