






The Professional Video SourceBook

Section 14

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iO|2

Portable 24-bit / 48kHz USB Interface

The ideal audio/MIDI companion for laptop recording environments, the IO|2 is a 2-channel portable 24-bit / 48 kHz USB audio interface. The IO|2 is equipped with two professional mic preamps with 48v phantom power, and dedicated four-segment signal/clip LED metering. The flexible input structure can also accommodate DI and line-level sources via 1/4" connectors. These inputs also include 1/4" TRS (tip-ring-sleeve) inserts for patching signal processors such as a compressor. The main outputs are provided on balanced 1/4" connectors and the headphone output is via a 1/4" TRS jack. MIDI I/O is also included for sequencing and DAW mixing functionality, as well as S/PDIF digital I/O for interfacing digitally with outboard processors and recorder / players. Compact form factor, rugged aluminum housing and laptop-optimized USB bus-powering make it the ideal interface for travel and field applications. The IO|2 USB supports Plug and Play operation under both Mac OSX and PC/Windows—no drivers or setup is required. Bundled with Steinberg's Cubase LE recording software.



- ◆ 24-bit, 48 kHz operation with high-end A/D and D/A conversion through integrated USB audio interface
 - ◆ Ultra low-latency ASIO 2.0 drivers (with zero-latency hardware monitoring)
 - ◆ USB bus powered with low power usage for minimal laptop battery drain
 - ◆ Ultra-rugged and lightweight case
 - ◆ 2 XLR mic inputs with 48v phantom power plus two 1/4" balanced line inputs that can accept guitar level signals
 - ◆ 1/4" TRS inserts on input channels
 - ◆ Dedicated 4-segment signal/clip LED meter on both channels
 - ◆ 1/4" balanced main outputs
 - ◆ 1/4" TRS headphone output with dedicated volume control
 - ◆ 24-bit S/PDIF I/O for direct digital recording
 - ◆ MIDI Input/Output
- iO|2:** Two-Channel Portable 24-bit/48kHz USB Audio Interface (Mfr # IO|2 • B&H # ALIO2) **149.00**

iO|14 24-bit / 192kHz Firewire Interface



The IO|14 is a 24-bit / 192kHz audio / MIDI interface built into a compact and sturdy tabletop housing. Ideal for home and project studios as well as audio post suites, the IO|14 offers four analog mic/line inputs on "combo" connectors with 48v phantom power as well as 1/4" TRS insert jacks for adding outboard processors directly into the signal path. The rear panel offers two 1/4" balanced line outputs plus coaxial S/PDIF I/O. Also provides 8 channels of ADAT input, an ideal way to expand the number of mic/line inputs. Incorporates audiophile quality Cirrus converters along with Wavefront Semiconductor's state-of-the-art DICE II Jitter Elimination Technology. The IO|14 can be powered via the Firewire bus or supplied AC adapter. Also offers five-segment signal/clip LED metering on each input and two headphone outputs with individual level control. Bundled with Steinberg's Cubase LE.

Step-up features from the IO|2

- ◆ 24-bit/192kHz support
- ◆ Superior Clock stability with DICE II Jitter Elimination Technology
- ◆ Audiophile Cirrus converters provide maximum dynamic range on inputs and outputs
- ◆ Two of the inputs are switchable to Hi-Z inputs for direct guitar and bass recording.
- ◆ Four Alesis high definition mic/line inputs
- ◆ Inserts on every analog channel and phantom power switchable in pairs
- ◆ Eight channels of ADAT input up to 48 kHz (four channels up to 96kHz)
- ◆ Two line-level outputs, two discrete stereo headphone outputs



Create customizable monitoring mixes using the flexible, routable Hardware Direct Monitoring and HDM Control Panel.

iO|14: Four-Channel 24-bit/192kHz Firewire Audio Interface (Mfr # IO/14 • B&H # ALIO14) **CALL**

iO|26

24-bit / 192kHz Firewire Interface

The iO|26 is a portable table top interface that steps up from the iO|14 with a total of eight mic / line inputs, up to sixteen ADAT inputs and a total of eight analog outputs to support surround mixing applications. It also provides inserts on each of the mic/line inputs. The iO|26 features 2 headphone outputs, line-level inserts on the mic preamps, 48v phantom power, 5-segment signal/clip meters, and full MIDI and S/PDIF I/O. With ADAT lightpipe inputs for additional connectivity, the iO|26 gives you forward-thinking expansion potential, no matter what your recording sessions may demand. Flexible, routable Hardware Direct Monitoring allows you to send a customized, latency-free mix to each output pair. Powered via the Firewire bus or supplied AC adapter.

**Step-up features from the iO|14**

- ◆ 8 high definition mic/line inputs with inserts in every channel. Two of the inputs are switchable for high-impedance inputs for direct guitar and bass recording and another two inputs can provide a stereo turntable input.

- ◆ Phantom power is switchable for each input channel pair
- ◆ Sixteen channels of ADAT input up to 48kHz (8 channels up to 96kHz)
- ◆ Eight 1/4" TRS line level outputs



- ◆ No latency monitoring of analog and digital sources

iO|26: 26-input/10-output 24-bit/192kHz Firewire Audio Interface (Mfr # IO/26 • B&H # ALIO26)**399.00**

iO|CONTROL

FireWire Audio Interface and Control Surface

The iO|Control combines up to 12 channels of simultaneous audio input with a full featured control surface in a compact, low latency Firewire interface. Ideal hardware solution for users who need high quality audio with hands on control, in a portable system. Features four analog inputs (two XLR and two balanced 1/4" line inputs), as well as an additional eight ADAT inputs. The control surface provides quick, intuitive control over the your DAW's frequently used commands with a smooth jog wheel to shuttle, zoom and enter data. Six fully-assignable buttons provide different functions for setting markers, loop points and automation modes. DAW input tracks can be addressed with dedicated Mute, Solo and Record-Enable buttons per track. Additionally, you can control up to 12 parameters, such as volume, pan and aux sends, via four 360° knobs, each of which can be switched between three different layers. LCD provides instant visual feedback of knob and button position and assignments. All controls are fully programmable, mappable to software parameters and can be recalled and stored to 20 preset locations. Compatible with DAW software products that support the Mackie HUI protocol.



- ◆ Four simultaneous analog input channels (2 XLR preamp inputs and 2 balanced 1/4" line inputs) up to 24-bit/96kHz
- ◆ Two 1/4" balanced outputs, and a headphone output, each with level control
- ◆ Expandable audio inputs via ADAT Lightpipe

- ◆ Mute, Solo and Record-Enable buttons per track
- ◆ Custom Jog/Zoom/Data dial for fast and easy DAW control
- ◆ Template inserts and overlays provided for all popular DAW programs

- ◆ 20 recallable presets for the control surface
- ◆ Preview Button verifies knob and button commands before sending them out to a DAW
- ◆ Includes template inserts and overlays for popular DAW programs and Cubase LE.

iO|Control Firewire Interface and Control Surface (Mfr # IOCNTL • B&H # ALIOCONTROL)**CALL**

DUET

Professional 2-Channel FireWire Audio Interface for Macintosh



Housed in a slender, ultra-compact chassis, Duet is a 24-bit /96kHz FireWire audio interface with a small footprint designed for use with Macintosh computers. It offers compatibility with any Core Audio compliant application, and it has control functions integrated into Apple's Logic Pro, Soundtrack Pro and GarageBand software. This lets you create a simple and elegant yet powerful personal audio system that can take on tasks from tracking and editing to mixing and mastering. Duet features two channels of Apogee's legendary A/D and D/A conversion with two premium, digitally controlled microphone preamps offering switchable +48V phantom power, and 75 dB of gain, as well as two 1/4" unbalanced high impedance instrument inputs. Two channels of reference quality output are also available via the 1/4" speaker connections and studio quality headphone output. The large, multi-function controller knob allows you to easily select the input or output source and set gain or level. Apogee's Maestro software application also allows you to assign the knob for advanced control of MIDI devices and software parameters.

- ◆ Two channels of professional-quality 24-bit/96kHz audio input and output
- ◆ Two balanced XLR inputs with 75dB of gain and selectable 48v phantom power
- ◆ Two unbalanced high impedance instrument inputs
- ◆ Two unbalanced -10 dBV line outputs for powered speakers
- ◆ Multi-segment LED meters to display input or output levels
- ◆ High-level stereo headphone output
- ◆ Compatible with any Core Audio-compliant audio application
- ◆ Integration and control with Apple's Logic Pro, Logic Express, GarageBand and Final Cut Studio (Soundtrack Pro)
- ◆ Multi-function controller knob for volume, and input gain and assignable MIDI control

Duet: 2-channel Firewire Audio Interface for Macintosh (Mfr# DUET • B&H# APD)**495.00**

MINI-DAC

2-Channel 192kHz D/A Converter

Mini-DAC is a professional quality 192kHz D/A converter—and the ultimate portable and compact solution for studio playback, reference monitoring, USB connectivity to your DAW, and location/ENG. Mini-DAC provides AES, optical (ADAT, S/MUX & S/PDIF) S/PDIF Coax, USB inputs, and analog output level control. Also included with Mini-DAC is "digital-thru-mode", a unique USB technology allowing the connection of non-USB digital devices to a computer/DAW.

- ◆ Enjoy true plug and play with Apple's Core Audio. Simply plug Mini-DAC into your computer via USB and it will appear as a hardware option in Logic, Bias, Peak, and other Core Audio compatible DAWs.
- ◆ With Mini-DAC's ability to interface directly with your computer and virtually any DAW via USB, you get maximum flexibility for a myriad of input formats.
- ◆ "Digital-thru-mode" allows interfacing of non-USB digital devices with your computer. To use digital-thru-mode, set Mini-DAC's input selector to "USB"... connect any two-channel digital device like Apogee's Rosetta, and you have USB enabled an A/D converter and interfaced it with a computer or DAW.
- ◆ With comprehensive level control and a high quality headphone output, you can hear exactly what you are committing to while recording. And when mixing down, Mini-DAC provides the optimum stereo image and the most faithful analog reproduction of recorded digital audio that money can buy.

Mini-DAC: 2 -channel 192kHz D/A Converter (Mfr# MINIDAC • B&H# APMINIDAC)**715.00**

FireWire Option for Mini-DAC: (Mfr # MINI-DAC-OPT-FIREWIRE • B&H # APFWOMD)**349.95**



ENSEMBLE • ENSEMBLE MOBILE

Digitally-Controlled, Multi-Channel FireWire Audio Interfaces

Ensemble is a multi-channel 24-bit/192kHz digital audio interface with 18 inputs and outputs.

Designed specifically for use with Macintosh, it is controllable natively from Apple's Logic Pro software. Ensemble features eight channels of

premium 24-bit/192kHz A-D/D-A conversion including four digitally controlled 75db mic preamps. There are also eight channels of ADAT I/O, two channels of S/PDIF coax and optical I/O, and a Firewire port. Ensemble combines the converters with additional features such as "SoftLimit", "UV22HR", and ultra-low jitter "Intelliclock". For those that want to add Apogee quality to an existing setup, the "Stand-Alone Mode" enables access to Ensemble's functions, via the unit's digital outputs, without being connected by Firewire to your Mac.



A battery-powered version of Ensemble, the **Ensemble Mobile** offers an "on-location" solution for capturing studio-perfect recordings anywhere. Power is supplied via an XLR-4 connector. Can also be powered by plugging it in with the supplied external AC to DC power adaptor. Ensemble Mobile will work with any DC power source with voltage between 11 and 16v, and can run off a 7AH battery for about four hours.

Whether in the studio or on location, Ensemble and Ensemble Mobile are the ideal choice for professionals seeking a high-definition, integrated audio solution.

FEATURES

- ◆ 2 fully balanced inserts on mic pre channels
- ◆ Four Hi-Z instrument inputs capable of handling high level instruments
- ◆ Two individual, controllable and assignable high level headphone outputs
- ◆ Two, six or eight channel monitor outputs
- ◆ Eight channels of ADAT I/O and two channels of SPDIF I/O
- ◆ FireWire 400 I/O, compatible with OS X Core Audio (no driver required)
- ◆ "Soft Limit" for maximum digital input level without overs
- ◆ "UV22HR" for superior dither of 24 bit resolution down to 16-bit
- ◆ Advanced, dual-stage "Intelliclock"
- ◆ Complete integration and control with Apple's Logic Pro Software
- ◆ They give you all of the tools you need in one elegant, easy-to-use interface. They are "Made for Mac" and can be used with any of Mac Core Audio application, such as Metacorder, ADR Studio, Final Cut Studio and many more.

Standalone Mode

- ◆ Stand-Alone Mode offers the option of using Ensemble as a high-end converter and mic pre, independent of the computer. Using the included Maestro software and a Mac, configure your low latency and routing settings only once. Ensemble will remember the settings, even when disconnected from the computer and allows access to all front panel settings, such as mic pre gain and output levels, which are fully functional while in Stand-Alone Mode.

Maestro — Mixing and Control Application

Bundled with Ensemble, Maestro software provides control, routing and mixing functionality. It offers a whole new level of precision control that elegantly integrates



Ensemble hardware with OS X applications to create a powerful native audio production.

Maestro features full Ensemble functionality control, multiple low latency mixers, hardware control panels and a routing matrix compatible with Rosetta 800, Rosetta 200, AD-16X and DA-16X. The VBus architecture, designed for use with Symphony PCI-e and PCI Express cards, delivers 32-channels per card of virtual routing between any Core Audio application, and zero latency with minimal processing power that ensures maximum performance.

Ensemble: 18 In/Out 24-Bit/192kHz FireWire Audio Interface (Mfr# ENSEMBLE • B&H# APE)Call
Ensemble Mobile: Battery-powered version of Ensemble (B&H# APEM)Call

ROSETTA 200 • ROSETTA 800

2- and 8-Channel 24-bit/192kHz A/D-D/A Converters

The Rosetta 200 offers premium A/D and D/A conversion at sample rates of up to 192k, along with Apogee's renowned SoftLimit overshoot protection, and advanced "Intelliclock" to deliver Apogee's latest and greatest technology in a two-channel format. Features CODA, that includes three tools designed specifically to meet the demands of the hi-def digital. These include Apogee's Aptomizer, a Level Normalizer, Sample Rate Conversion (SRC), and UV22HR, Apogee's legendary dithering technology. Additionally, it features two channels of AES/EBU, ADAT/SMUX and S/PDIF digital I/O, as well as 16 channels of MIDI, and full channel metering.



The eight channel Rosetta 800 combines Apogee's legendary conversion quality with flexibility that complements any digital audio workstation. Supports 24-bit 96 kHz as standard, with an optional upgrade to support 192kHz sample rates. And, like the Rosetta 200, the Rosetta 800 features Apogee's "SoftLimit", "UV22HR",

and their advanced ultra-low jitter "Intelliclock" technologies. The Rosetta 800 also offers eight channels of ADAT and AES/EBU I/O.

Both the Rosetta 200 and Rosetta 800 feature expansion card slots to accommodate Apogee's optional X-Series interface cards which facilitate direct connection to Apogee's Symphony and Symphony Mobile card systems, Pro Tools HD and Mix systems, as well as a direct FireWire connection to computers that supports FireWire 400 and 800 standards.

ROSETTA 200 - 2 Channel 24-Bit/192kHz A/D and D/A Converter (Mfr# ROSETTA 200 • B&H# APR200).....**1795.50**

ROSETTA 800 - 8 Channel 24-Bit/96kHz A/D and D/A Converter (Mfr# ROSETTA80019 • B&H# APR800192).....**CALL**

SYMPHONY

Multi-Channel Interfaces for Macintosh

The Symphony PCI Express Card (for PCIe compatible Mac Pro computers) and Symphony Mobile Express Card (for MacBook Pro) are multi-channel interface cards that bridge Apogee's Rosetta, AD-16X and DA-16X converters with Mac computers via the X-Symphony option card. Fitting inside the converters themselves, the X-Symphony option card provides a simple and rock solid connection to the Symphony PCI Express or Mobile Express Card, leaving other digital I/Os available.



Both Cards Feature

- ◆ Thirty two channels of 24-bit 192 kHz digital I/O via a single thirty two channel PC32 bi-directional connector.
- ◆ Simple connection with a single PCI-32 cable.
- ◆ Compatibility with any CoreAudio software applications.
- ◆ Maestro Software for advanced control and routing. Includes Apogee's VBus for virtual routing between CoreAudio applications.

Symphony PCI-E - PCI-Express Card (Mfr# SYMPHONYPCIE • B&H# APSE)**Call**

Symphony Only

- ◆ PCIe interface card compatible with Mac Pro desktop computers.
- ◆ Up to three Symphony cards can be installed per system for a total of 96 channels at 192 kHz.

Symphony Mobile Only

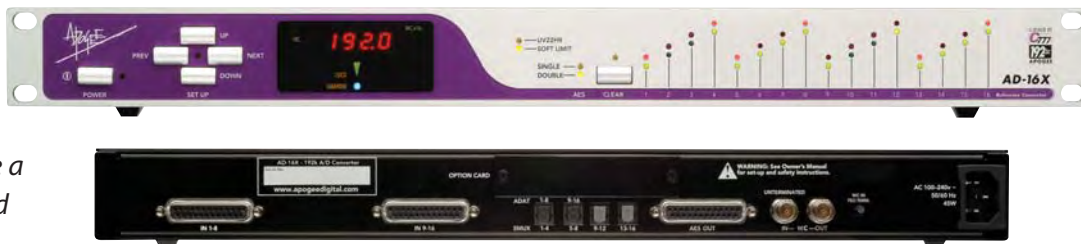
- ◆ Express card compatible with any Apple MacBook Pro computer.

Symphony Mobile - (Mfr# SYMPHONY MOBILE • B&H# APSM)**Call**

AD-16X • DA-16X

16-Channel 24-bit/192kHz A/D and D/A Converters

Apogee's latest and most advanced conversion systems, the AD-16X and the DA-16X take the legendary quality of Apogee a huge step forward. Designed to interface seamlessly with the latest hard-disk recording systems, the AD-16X and DA-16X offer 16 channels of Apogee quality and 24-bit/192kHz A/D and D/A conversion in a compact, convenient 1RU high package. Features such as a redesigned power supply, the C777 clocking technology found in Big Ben, and optional Pro Tools HD and Firewire expansion cards, make them the most powerful and flexible conversion combination ever.



FEATURES

- ◆ With up to 192kHz standard sample rates, the AD-16X and DA-16X combine Apogee's legendary conversion quality with the very latest in high-definition digital to provide unrivaled flexibility and quality.
- ◆ 16 channels of AES, ADAT/SMUX input and output
- ◆ Adaptive Loop Filtering (ALF) for optimum clock performance and minimum jitter
- ◆ Intuitive front panel calibration
- ◆ Word Clock I/O and termination switch
- ◆ Balanced analog inputs and outputs are organized into two groups of eight channels on 25-pin D connectors.
- ◆ LEDs indicate signal status on each channel, with the intensity modulated by the signal level to give an "analog-like" display. On the AD-16X a second LED per channel indicates "overs", which may be user-configured.
- ◆ They incorporate Apogee's UV22HR—the industry-standard word-length reduction system. Reduces word length from the converter's 24-bits to 16-bit for CD mastering, web, etc, or 20-bit for DVD. High resolution detail is retained without creating artifacts.
- ◆ Specially designed synchronous switching power supply works in conjunction with Apogee's very stable low jitter clock and filtering technology to provide superior heat and noise performance and an improved transient response.

C777 Clocking used by Big Ben

Apogee's C777 clocking technology uses an all digital process developed with the most advanced Direct Digital Synthesis (DDS) technology and DSP-based digital filtering. With a stable, crystal-based digital PLL handling the clocking, the AD-16X/ DA-16X can intelligently manipulate incoming signals and adapt to them accordingly. Results in the most aggressive jitter reduction ever and an astonishing and noticeable difference in sound quality.

Connect Directly to Pro Tools HD or FireWire Enabled Computer

The AD-16X and DA-16X offer an expansion card slot that greatly increases connectivity. Add an optional X-Series HD card and connect them directly to your computer via your HD Core Card. Using Logic, Nuendo or any of the many native DAW's? Add an X-Firewire card to your X-Series hardware. With the optional X-FireWire card installed, you'll be able to connect the AD-16X and DA-16X natively to any Firewire input device, with low latency and without the need for additional hardware.

SoftLimit: Maximize Levels, Minimize Overs

One of the greatest difficulties in digital recording is getting an adequate level without clipping and unwanted distortion. Soft Limit is an analog peak limiter that enables the capture of an additional 4-6 dB of level without going into an 'over' condition. Can be applied to a single channel or all channels. Short of purchasing a very expensive stand-alone compressor/limiter, there is currently no product on the market that handles this process better than SoftLimit.

High Performance Output (DA-16X Only)

The DA-16X uses Apogee's electronically balanced line drivers to simulate true transformer behavior. The circuitry is an ultra low output impedance, high current driver, capable of running levels up to 26dBu to the most complex or low impedance loads. Studios utilizing vintage audio-equipment will find this particularly valuable. Ultimately, the output performance of the DA-16X achieves perfect symmetry when used in balanced mode (even with an unsymmetrical load) and no increased distortion when used unbalanced.

DA-16X: Digital to Analog Converter (Mfr # DA16X • B&H # APDA16X)	3145.00
AD-16X: Analog to Digital Converter (Mfr # AD16X • B&H # APAD16X)	3145.00
X-HD Expansion Card: Connects Digidesign's Pro Tools HD Systems and the AD-16X or DA-16X Converters (Mfr # XDIGHD • B&H # APXDH)	535.50

Mbox 2 Family

USB and FireWire Interfaces

The Mbox 2 family is Digidesign's affordable Pro Tools LE systems. Characterized by their totally portable designs, diverse yet flexible feature sets, and ultra-affordable prices, the Mbox 2, Mbox 2 Pro and Mbox 2 Mini each offer professional features to complement your recording and mixing needs in a studio that easily fits into your backpack. For professionals and musicians on the go, the ultra-small Mbox 2 Micro allows Pro Tools editing, sequencing, and mixing anywhere you go. And because the entire Mbox 2 family includes award-winning, industry-standard Pro Tools software, everything you create with an Mbox 2 family member can be used in professional, Pro Tools-equipped music and post-production studios around the world.

Mbox 2 Pro

The FireWire-powered Mbox 2 Pro is a portable, high-definition audio/MIDI production system that delivers professional sound, analog and digital I/O galore (6x8 simultaneous channels of I/O), and plenty of studio-grade features for the post professional. quality. Packing a variety of connection options into a compact interface, Mbox 2 Pro puts powerful multitrack recording and mixing capabilities into your hands. Mbox 2 Pro also includes award-winning, industry-standard Pro Tools LE software, over 50 effects and instrument plug-ins, and the Pro Tools Ignition Pack — a collection of powerful tools to get you started creating right away. Also available is the Mbox 2 Pro Factory system which includes the following plugins: Moogerfooger Analog Delay, JOEMEEK SC2T Photo Optical Compressor, JOEMEEK VC5T Meequalizer, Cosmonaut Voice, Digidesign Maxim, and an iLok USB Smart Key.



- ◆ Professional sound quality (24-bit/96 kHz)
- ◆ Powered by FireWire (6-pin) or included power supply
- ◆ 6 simultaneous inputs/8 outputs
- ◆ 4 analog inputs (two XLR/1/4" TRS combo jacks and two 1/4" TRS jacks)
- ◆ 6 analog outputs (1/4" jacks)
- ◆ 2 instrument DI inputs on the front panel
- ◆ 2 channels of S/PDIF digital I/O (RCA)
- ◆ Built-in phono preamp input (RCA) for direct turntable connection
- ◆ 1 MIDI input and output (16 channels in/ 16 channels out)
- ◆ MIDI Time Stamping (MTS) support for superior timing and accuracy
- ◆ Low-latency monitoring
- ◆ BNC Word Clock I/O with support for sample rates up to 48kHz
- ◆ Dedicated monitor outputs with volume control
- ◆ 2 stereo headphone outputs with independent volume controls
- ◆ 48V phantom power for condenser microphones

M-Box 2 Pro - 6-In/8-Out FireWire Interface with Pro Tools LE and Pro Tools Ignition Pack for Mac and Windows (Mfr# 9900-39149-00 • B&H# DIMB2P).....**CALL**

Mbox 2 Pro Factory Bundle - Same as above, plus adds high-end plug-ins (Mfr# 9900-39149-02 B&H# DIMB2PF)**CALL**



Mbox 2

Digidesign's most popular personal studio system, the USB-powered Mbox 2 features high-quality sound and zero-latency monitoring as well as a wide range of analog and digital connections (4x2 simultaneous channels of I/O), and MIDI I/O. Delivering professional performance in an incredibly compact package, Mbox 2 also includes award-winning, easy-to-use Pro Tools LE software. Projects created with Mbox 2 and Pro Tools LE open on Pro Tools|HD and Pro Tools M-Powered systems — providing instant compatibility with countless Pro Tools-equipped projects and professional studios. Also available is the Mbox 2 Factory system which includes the following plugins: Moogerfooger Analog Delay, JOEMEEK SC2T Photo Optical Compressor, JOEMEEK VC5T Meequalizer, Cosmonaut Voice, Digidesign Maxim, and an iLok USB Smart Key.

- ◆ 100% USB powered for maximum portability
- ◆ 2 analog inputs, 2 analog outputs
- ◆ 2 channels of S/PDIF digital I/O
- ◆ Superior sonic performance
- ◆ 1x1 MIDI I/O (16 channels in/16 channels out)
- ◆ Zero-latency monitoring
- ◆ 48v phantom power for condenser mics
- ◆ Separate source selection and gain control per channel
- ◆ Headphone output with dedicated volume control
- ◆ Dedicated studio monitor volume control

Mbox 2 - 4-In/4-Out USB Interface with Pro Tools LE and Pro Tools Ignition Pack for Mac and Windows (Mfr# 9900-17246-00 • B&H# DIMB2)**CALL**

Mbox 2 Factory Bundle - Same as above, plus adds high-end plug-ins (Mfr # 9900-17246-02 • B&H # DIMB2F)**CALL**

MBOX 2 Family

Mbox 2 Mini

Ultra compact and USB-powered, the Mbox 2 Mini is the world's smallest, most affordable Pro Tools LE recording, editing, and mixing system ever. Like its siblings (Mbox 2 and Mbox 2 Pro), the Mbox 2 Mini delivers high-quality sound and analog I/O (2x2 simultaneous channels of I/O) and includes powerful creation tools for composing, recording, and mixing music. Whether recording or a seasoned pro on the go, Mbox 2 Mini packs professional features into a robust, easy-to-use audio workstation. And with its diminutive size, Mbox 2 Mini literally puts the power of Pro Tools in the palm of your hand. And because Pro Tools is the industry standard, you can use your Mbox 2 Mini-recorded sessions in any Pro Tools-equipped studio around the world.



- ◆ Professional sound quality (up to 24-bit/48 kHz)
- ◆ Two simultaneous analog inputs and outputs
- ◆ One XLR analog input for connecting a microphone
- ◆ Two 1/4" line-/instrument-level (DI) analog inputs for connecting guitars, basses, keyboards, synthesizers, drum machines, and more
- ◆ Zero-latency monitoring
- ◆ Compact, rugged metal enclosure for maximum portability and durability
- ◆ Powered by USB (USB 1.1 connection, cable included)
- ◆ Front-panel volume control and monitor mute switch
- ◆ Two 1/4" analog monitor outputs
- ◆ Stereo headphone output
- ◆ 48V phantom power
- ◆ Kensington Security Lock

Mbox 2 Mini - 2 In/2-Out USB Interface with Pro Tools LE and Pro Tools Ignition Pack for Mac and Windows (Mfr# 9900-55898-00 • B&H# DIMB2M)CALL

Mbox 2 Micro



The smallest, most portable USB-powered Pro Tools LE system, the Mbox 2 Micro enables Pro Tools users to edit, sequence, and mix sessions created on Pro Tools|HD, Pro Tools LE, and Pro Tools M-Powered systems on the go, as well as compose music with virtual instruments and

loops. The size of a typical USB flash drive, Mbox 2 Micro offers high-quality 24-bit/48 kHz sound, a 1/8" stereo output for headphone or speaker monitoring (no audio inputs), and a convenient volume wheel, providing the freedom of true editing, sequencing, and mixing mobility.

- ◆ Slick yet rugged anodized aluminum casing that's small enough to fit in any size pocket, making it the ultimate mobile Pro Tools editing and mixing solution.
- ◆ Ultra-portable, rugged anodized aluminum design—small enough to fit in any size pocket—for on-the-go editing, mixing, and music creation.
- ◆ High-quality sound up to 24-bit, 48 kHz (higher sample rates require pre-conversion).
- ◆ 1/8" stereo output jack for headphone or speaker monitoring (no audio inputs).
- ◆ Convenient volume wheel for quick headphone adjustments.
- ◆ Powered by USB (USB 1.1 connection, includes USB extension cable).

Mbox 2 Micro - Portable USB Interface with Pro Tools LE Software for Macintosh and Windows (Mfr# 9900-58064-00 • B&H# DIMB2MQ)249.00

Pro Tools LE Software



- ◆ 32 simultaneous audio tracks (128 virtual audio tracks), expandable to 48 tracks
- ◆ Fully integrated MIDI sequencing with 256 simultaneous MIDI tracks
- ◆ Includes over 50 effects and instrument plug-ins
- ◆ Support for streaming ReWire applications
- ◆ Unique Beat Detective LE automatic groove analysis and correction tool
- ◆ Supports the Digidesign Command|8 and Control|24 control surfaces for hands-on mixing
- ◆ Huge selection of compatible third-party options

Pro Tools Ignition Pack

Software bundle included with Mbox 2 Pro, Mbox 2 and Mbox Mini.



- ◆ Propellerhead Software Reason Adapted
- ◆ Ableton Live Lite Digidesign Edition
- ◆ FXpansion BFD Lite
- ◆ IK Multimedia SampleTank 2 SE, AmpliTube LE, IK Multimedia T-RackS EQ
- ◆ Celemony Melodyne uno essential
- ◆ Pro Tools Method One instructional DVD
- ◆ Bunker 8 REX File CD
- ◆ 1-year membership to Broadjam.com

003 Factory • 003 Rack

FireWire-based Pro Tools LE Audio/MIDI Workstations

The 003 Factory and 003 Rack let you attain the same high audio production quality as commercial facilities in your own personal or project studio with truly professional results. With an extensive range of audio and MIDI I/O, high-definition audio resolution, Pro Tools LE software, FireWire connectivity, and an unprecedented bundle of powerful software, they provide everything you need to compose, perform, record, sequence, edit, mix, master, and promote your creations.

003 Factory

The 003 Factory is a complete and full-featured Digital Audio Workstation comprising a control surface/mixer with analog, digital and MIDI input and output, and Digidesign Pro Tools LE software. Communicates with a computer via a single FireWire cable. The control surface provides eight touch-sensitive faders, eight assignable knobs, ten scribble strips, and a complete control section, in addition to four microphone preamps with phantom power and individual high-pass filters. Transport controls and the usual solo, mute, and select/record arm switches are also included.



003 Rack



The 003 Rack is a complete and full-featured Digital Audio Workstation offering all of the same inputs and outputs as the 003 Factory in a streamlined 2U rack-mountable chassis, providing a complete professional studio in a space-saving package. Otherwise identical,

the 003 Rack Factory adds \$3000 worth of professional-grade Digidesign and Bomb Factory plug-ins, plus Pro Tools Ignition Pack 2 Pro.

003 Factory and 003 Rack Both Feature

003 Factory and 003 Rack offer an extensive array of analog and digital audio and MIDI I/O, making them the ideal hub of any home or project studio, or a powerful complement to an existing setup. You can connect just about any instrument and device found in your studio to 003 Factory or 003 Rack. Plug in your guitar for direct recording, connect line-level instruments such as synths or samplers, or capture sound from any source through a connected microphone — their premium mic preamps deliver the utmost sound clarity. And with their studio-grade 24-bit/96 kHz audio resolution, you can expect stunning, high-definition sound every time.

In addition, they provide the I/O you need to connect MIDI gear, optical devices (such as ADAT), and S/PDIF digital equipment, and also feature BNC Word Clock I/O to sync to other external devices in your studio. They can also function in standalone MIDI mode, allowing you to integrate it into your MIDI setup sans computer. Plus, FireWire connectivity ensures high-speed data transfers between them and Windows- or Mac-based systems. 003 Factory and 003 Rack feature multiple options for monitoring your sessions as well as other external devices. Dedicated stereo studio monitor outputs allow you to always have reference monitors connected without sacrificing audio outputs, while a stereo pair of alternate control room outputs let you hook up a second set of speakers to allow easy switching between two studio monitor sources. Two headphone outputs with level control, enable you to run two discrete monitor headphone mixes separately from your main mix.

003 Factory • 003 Rack

Alternate source input allows monitoring from a connected external device. They are bundled with cross-platform Pro Tools LE software fully compatible with Digidesign Pro Tools HD systems. Also bundled with the 003 Factory and 003 Rack are the standard Digidesign DigiRack plug-ins and a comprehensive bundle of plug-ins from other manufacturers.

The 003 Rack includes the Digidesign Ignition Pack 2, the 003 Factory includes the the premium Ignition Pack 2 Pro bundle. Together, the systems provides everything needed to capture, edit, and output high-quality audio, with the user needing to provide only microphones, monitors, and a computer.



- ◆ High-speed FireWire connectivity
- ◆ 18 simultaneous channels of audio I/O
- ◆ 24-bit/96 kHz resolution
- ◆ 8 analog inputs, 8 analog outputs
- ◆ 4 professional mic preamps; 48V phantom power enabled on channel pairs
- ◆ 8 channels of ADAT optical I/O or two channels of S/PDIF optical I/O
- ◆ 2 channels of S/PDIF digital I/O
- ◆ 1 MIDI input, 2 MIDI outputs (16 channels in/32 channels out)
- ◆ BNC Word Clock I/O
- ◆ Dedicated studio monitor output, plus alternate control room output
- ◆ Alternate Source input for external device monitoring
- ◆ Dual headphone outputs with individual source and level controls

003 Factory (Only)

With its touch-sensitive, motorized faders and motion-sensitive encoders, knobs, and switches, 003 Factory gives you direct hands-on access to the power of Pro Tools, enabling you to control multiple aspects of your mix with much more speed and accuracy than mixing with a mouse alone.

With 003 Factory you can easily control recording and playback, mute or solo tracks, grab control of track volumes, pan tracks, assign sends, insert plug-ins and tweak parameters, assign and write mix automation, scrub video, and more right from the control surface. And since 003 allows you to control your mix with your hands instead of relying on your computer screen, you can close your eyes and concentrate on using your most significant mixing tool — your ears.

003 Factory also provides essential visual feedback through its LCD display and plethora of LED indicators on the control surface so you can see how and what you're affecting in your session. Keep an eye on your audio levels on the control surface instead of looking away at a screen as you adjust volume or gain thanks to a bank of 5-segment LEDs that function as volume/gain meters. The same LEDs also double as automation status indicators, letting you know — at a glance — which write mode is enabled on each track when you're automating mixes.

- ◆ Integrated Control Surface
- ◆ 8 touch-sensitive motorized faders
- ◆ 8 motion-sensitive rotary encoders for pan/send/meter/plug-in control
- ◆ Dedicated mute, solo, and select/record arm switches per channel
- ◆ 6-character, 2-line LCD display per channel displays track name; pan, send, fader, and plug-in values; and timeline position
- ◆ 5-segment LED display for viewing metering and automation mode status
- ◆ Dedicated automation controls and LEDs
- ◆ Easily assign inserts and sends from the control surface
- ◆ Dedicated transport control
- ◆ Standalone MIDI Mode functionality
- ◆ Jog/Shuttle wheel

003 Factory with Pro Tools LE and Ignition Pack 2 Pro (Mfr# 9900-38030-00 • B&H# DID003F)	Call
003 Rack with Pro Tools LE and Ignition Pack 2 (Mfr# 9900-38730-00 • B&H# DID003R)	Call
003 Rack Factory with Pro Tools LE and Ignition Pack 2 Pro (Mfr# 9900-38730-02 • B&H# DID003RF)	Call

Premium Software Bundle (Included with 003 Factory and 003 Rack Factory)

Premium Factory software bundle adds over \$3000 in professional Digidesign and Bomb Factory plug-ins.

- ◆ Digidesign Bomb Factory BF-3A Classic Compressor
- ◆ Digidesign Cosmonaut Voice
- ◆ Digidesign D-Fi bundle (Lo-Fi, Sci-Fi, Recti-Fi, Vari-Fi)
- ◆ Digidesign JOEMEEK VC5T Meequalizer
- ◆ Digidesign JOEMEEK SC2T Photo Optical Compressor
- ◆ Digidesign Maxim, Moogerfooger Analog Delay, Moogerfooger Ring Modulator
- ◆ Digidesign SansAmp PSA-1
- ◆ Digidesign Tel-Ray Variable Delay
- ◆ Digidesign Voce Spin, Voce Chorus/Vibrato
- ◆ iLok USB Smart Key

UAX220-MIC • UAX220v2

Portable USB Audio Interfaces

The UAX220-Mic and UAX220v2 are professional USB Audio interfaces for broadcast and other demanding pro audio applications. Both units feature two high quality analog inputs and outputs, with 24-bit / 96kHz A/D-D/A conversion and a maximum sample rate of 48kHz, and are USB 1.1 compliant with true Plug-and-Play connectivity for Windows XP, Mac OS X, and Linux. Housed in their compact and sleek enclosures, the UAX220-Mic and UAX220v2 feature a hardwired, 2' breakout cable for connection to your computer and your analog gear. The UAX220-MIC offers two professional grade mic preamps, ideal for sound acquisition on location and in the studio, while the UAX220v2 is a line level device that is ideally suited for broadcast applications, taking audio feeds from another unit, such as a mic preamp or mixer.



- ◆ Two by two high-quality balanced analog line inputs and outputs with 24-bit 96kHz A/D-D/A converters and a maximum sample rate of 48kHz.
- ◆ Zero-latency direct monitoring with mono/stereo switch.
- ◆ Professional Neutrik XLR connectors and Neutrik headphone jack with lock.
- ◆ USB Audio compliant (no driver to install); powered via USB (no power supply needed).
- ◆ Special recording modes include: 1+2 allows both inputs to be recorded mixed to one mono track; loop back – allows you to capture digital recording of the played streams, to record a web radio for instance or a DVD soundtrack.
- ◆ Dedicated headphone output stage supporting low impedance headphones, with independent level control.
- ◆ Buttons for fast, intuitive control.
- ◆ Support Windows XP, Mac OS X and Linux.
- ◆ DirectSound, Core Audio, ALSA, and Virtual PCX management. ASIO management via third-party interface.
- ◆ Compatible with laptop padlocks

UAX220-MIC only

- ◆ Continuous 0-55 dB gain and 48V phantom power on each input.

VX222-MIC - 2 Input / 2 Output USB 1.1 Audio Interface -
(Mfr # VB1834A0201 • B&H # DIUAX220MIC)CALL

UAX220v2 - 2 Input / 2 Output USB 1.1 Audio Interface -
(Mfr # VB1833A0201 • B&H # DIUAX220V2)CALL

VXPOCKET v2 • VXPOCKET 440

Laptop Sound Cards



Digigram VXpocket series sound cards are 32-bit PCMCIA/Type II PC Cards designed for use with laptop computers, offering serious audio performance for working on location or in the studio. Comprised of the two channel VXpocket v2, and the four channel VXpocket 440, both systems provide 24-bit performance with PC applications using Microsoft's WAVE protocol and ASIA, Mac applications using Core Audio and ASIA, as well as Linux applications using the ALSA standard. Both cards feature S/PDIF I/O, for use with digital recorders and players and an LTC (SMPTE) time-code input — all using coaxial connectors. A breakout cable is provided with XLR connectors for the analog inputs/output, and a stereo mini-jack for headphone monitoring. The VXpocket v2 has two balanced analog mono inputs at mic or line level and two balanced analog outputs. The VXpocket 440 features four balanced mic/line analog inputs and four balanced analog outputs. The number of active stereo inputs and outputs available varies with the sampling frequency and bit rate selected.

VXpocket v2 - 2 Input / 2 Output PCMCIA Laptop Audio Sound Card for Mac or Windows (Mfr # SG141800302 • B&H # DIVXPV2)Call

VXpocket 440 Professional PCMCIA Sound Card - Mac/Win (Mfr # SG144600501 B&H # DIVXP440)Call

VX222v2

High Quality PCI Sound Card



The VX222v2 brings Digigram's outstanding audio quality and famous reliability to demanding professional audio applications such as broadcast, post-production, music or live performance. The VX222v2 includes balanced two by two analog inputs and outputs with 24-bit converters, as well as a stereo AES/EBU input/output. It can be used with a wide choice of audio applications using Digigram's np Runtime, Microsoft's Wave and DirectSound, Apple's Core Audio, or Steinberg's ASIO. Special features include two General Purpose Interface (GPI) inputs and outputs.

- ◆ Universal PCI compatibility (3.3V ready) short-length (7") PCI format.
- ◆ Full-duplex soundcard with two balanced analog inputs/outputs, supporting +4dBu and -10dBV.
- ◆ A 15-pin D-Sub connector provides a breakout to two balanced XLR inputs and outputs as well as an 1/8" stereo headphone output, via an included cable.
- ◆ A second 15-pin D-Sub connector provides a breakout to balanced, digital stereo I/O in AES/EBU or S/PDIF formats.
- ◆ Dedicated Wave mixer, as well as ASIO and Mac control panel
- ◆ 8 kHz to 48 kHz sample rates are supported up to 24 bit.

VX222v2 - 2 Input / 2 Output PCI Audio Card for Mac and Windows
 (Mfr # VB153100202 • B&H # DIVX222V2)**CALL**

CENTRANCE MicPort Pro

USB Mic Pre

The MicPort Pro is a compact and professional USB mic preamp with true Plug-and-Play compatibility for Windows and Mac. The rugged and slender housing features an inline XLR connector with variable input gain, and switchable 48V phantom power for use with any dynamic or condenser mic. Features 24-bit/96kHz performance with low-noise circuitry for maximum audio fidelity, and a loud 1/8" headphone output with a dedicated level control and a direct-circuit design for zero-latency monitoring. No drivers to install, just plug into your Mac or PC and to record— a lifesaver when working with multiple computer systems. The MicPort Pro is ideal for interviews and broadcast, podcasting, vocal and field recording, or any application that requires portability without compromising quality.



- ◆ Integrated XLR connector plugs right into your dynamic or condenser microphone.
- ◆ High fidelity A/D converter captured vocals at full 24-bit/96kHz resolution
- ◆ Low-noise, solid state mic preamp with input level control knob
- ◆ USB bus powered – no batteries or external power supply needed
- ◆ Loud headphone amp with output level control knob, and zero-latency monitoring
- ◆ Rugged anodized aluminum construction
- ◆ 48V phantom power internally generated based on 5V of input so even condenser mics can be used with laptops

MicPort Pro - with 6' USB cable
 (Mfr# CE1801 • B&H# CECE1801)**149.95**

1616 PCI • 1616M PCI

PCI Digital Audio Systems

E-MU's 1616 PCI and 1616M PCI Digital Audio Systems deliver everything you need to produce audio on a PC with professional results. They feature premium 112dB S/N ratio (1616 PCI) and master-grade 120dB S/N ratio (1616M PCI) 24-bit/192kHz converters, hardware-accelerated effects and mixing, zero-latency monitoring comprehensive sync options and seamless compatibility with most popular PC audio/sequencer applications. Their MicroDock breakout box offers a total of 16 inputs and 16 outputs plus 32 channels of MIDI I/O, including two E-MUXTC Class-A ultra-low noise mic/line/hi-Z preamps with 48v phantom power and analog soft limiting circuit for clip protection. They also ship with ASIO2 and WDM drivers for Windows as well as the E-MU Production Tools software bundle — everything you need to create, record, edit, master and burn your music.



All 1616 Systems Feature

- ◆ For pristine recording and playback of your tracks, the 1616/1616 PCI feature premium 24-bit/192kHz converters with 112dB S/N ratio, the 1616M/1616M PCI feature master-grade 24-bit/192kHz converters delivering an amazing 120dB S/N ratio (same converters as in Digidesign's ProTools HD 192 I/O).
- ◆ Mic/Line and true Hi-Z inputs with two XTC Class-A, ultra-low noise preamps (-127dBu) via Neutrik connectors, with analog soft limiter, 48v phantom power and 60dB of gain.
- ◆ Ultra-portable MicroDock M offers 16 inputs and 16 outputs plus MIDI I/O - everything from balanced analog and turntable inputs to ADAT and S/PDIF (switchable to AES/EBU)
- ◆ Four 1/4" balanced inputs, six outputs
- ◆ 24-bit/192kHz ADAT I/O (switchable to S/PDIF)
- ◆ 24-bit/192kHz coaxial S/PDIF Out (switchable to AES/EBU)
- ◆ Turntable input (with ground lug and hardware RIAA preamp)
- ◆ Two sets of MIDI In/Out
- ◆ Stereo 1/8" Speaker Outputs (configurable from stereo to 5.1)
- ◆ PCI versions feature a stereo headphone output, the laptop versions feature two stereo headphone/line outputs (one on card, one on MicroDock).
- ◆ Ultra-low latency 24-bit/192kHz ASIO2, WDM and 64-bit drivers compatible with popular audio/sequencer applications
- ◆ Over 600 hardware-accelerated standalone and E-MU Power FX VST plug-in effects with no CPU overhead
- ◆ PatchMix DSP zero-latency hardware mixing and monitoring with super-flexible patchbay - no external mixer needed.
- ◆ The modular design of the PCI version lets you customize the system. Connect the Sync Daughtercard to your system for SMPTE, Word Clock and MTC sync and/or add the E-MU 02 CardBus Card to your laptop and take MicroDock on the road.



1616 • 1616M

Laptop Digital Audio Systems

The ultimate portable system for recording, editing and mixing, the 1616 and 1616M can use the 02 CardBus Card alone for its hardware-accelerated effects and studio quality stereo headphone/line output or together with the MicroDock for complete analog and digital I/O flexibility.

They feature premium 112dB S/N ratio (1616) and master-grade 120dB S/N ratio (1616M) 24-bit/192kHz converters, hardware-accelerated effects and

mixing, zero-latency monitoring, comprehensive sync options and seamless compatibility with popular PC audio/sequencer applications. The E-MU CardBus card can be used standalone or plugged into the MicroDock for a total of 16 inputs and 16 outputs plus two sets of MIDI I/O. They ship with ASIO2 and WDM drivers for Windows plus the E-MU Production Tools Software Bundle — everything you need to create, record, edit, master and burn your music.

Each 1616 system include the E-MU Production Tools Software Bundle — everything you need to create, record, edit, master and burn is in the box, including:

Cakewalk SONAR LE - Audio/MIDI Production (Windows):

Features 64 audio and 256 MIDI tracks; 24-bit/192kHz recording support; 14 studio quality real-time effects and 6 MIDI effects; audio loop construction tools; dynamic console view; multi-port graphical drum grid editor; multitrack piano roll view; staff notation; ReWire 2.0 support; DirectX/DXi and VST/VSTi support; MIDI clock and MTC slave; Audio Simulation's Dreamstation soft synth DXi; and more. .

Steinberg Cubase LE - Audio/MIDI Production (Windows):

Cubase LE offers 48 audio and 64 MIDI tracks; 24-bit/192kHz professional audio quality; a full set of audio effects plug-ins; LM-7, VB-1 and USM virtual instruments; and MTC, MIDI-clock and VST System Link support.

Ableton Live Lite 4 - Audio/MIDI Production (Windows and Mac):

Spontaneously compose, record, remix, improvise and edit your musical ideas. Live brings your acoustic, electronic and virtual instruments, as well as your digital audio recordings, together in a single interface with unparalleled ease of use. Live's specialty is composition by improvisation. Record musical ideas, combine or create new songs, and compose on the fly, and offers complete multitrack recording and editing for any acoustic source, hardware synthesizer or software instrument.

Celemony Melodyne Essential - Audio Editor (Windows and Mac):

Works like a sample editor and offers the most essential of Melodyne's unique audio editing functions, including manual editing of intonation and timing.

Steinberg WaveLab Lite - Audio Editor (Windows):

Light version of the popular mastering and wave editing program.

BIAS Peak Express 5 - Audio Editor (Mac):

Includes many of Peak LE's core editing features in a streamlined edition. Peak Express 5 offers users the power of integrated 24-bit stereo recording, precision waveform sample editing and DSP processing.

IK Multimedia AmpliTube LE - Guitar Amp & FX Modeling Plug-In (Windows and Mac):

Powerful plug-in for guitar players that puts a virtually unlimited array of tones and effects at your fingertips. AmpliTube's stomp-box, post-effects and amp simulation capabilities make it easy to craft everything from rich, vintage tones to unique cutting-edge sounds.

SFX Machine LT - Audio Multi-effects Plug-in (Windows and Mac):

Powerful audio multi-effects plug-in for musicians and sound designers, featuring 21 presets such as RoboTalk, Sitar Drone and Stutter. The plug-in provides up to six sliders for fine-tuning of each preset and allows automated parameter control via a simple "MIDI Learn" interface. It also provides a Randomize button for quick experimentation.

E-MU Proteus VX Software Sound Module (Windows):

24-bit/192kHz standalone/VST instrument for your PC that offers the pristine sound quality and powerful Z-Plane filters of E-MU's powerful Proteus X2 Software Sound Module, plus over 1,000 sounds from E-MU's legendary Proteus 2000 sound module. You can also expand your Proteus VX with any soundset from E-MU's comprehensive sound library. Proteus VX offers you an intuitive sound module interface to quickly dial in your sounds, with easy-to-use librarian and search functions to find that perfect preset in seconds, as well as two discrete effects processors with comprehensive MIDI modulation per preset.

1616-PCI (Mfr # 70EM896106000 • B&H # EM1616P)**349.95**
1616M-PCI (Mfr # 70EM896006000 • B&H # EM1616MP)**434.95**

1616 (Mfr # 70EM897106002 • B&H # EM1616)**384.95**
1616M (Mfr # 70EM897006000 • B&H # EM1616M)**Call**

0202 USB • 0404 USB USB 2.0 Audio Interfaces

0202 USB



High quality portable plug-and-play USB 2.0 audio interfaces for Mac and PC, E-MU's 0202 USB and 0404 USB offer pristine 24-bit/192kHz recording and playback, direct monitoring and a host of professional features. The 0202 USB features two flexible Class-A preamps: including one XLR mic / 1/4" line input and one 1/4" line / Hi-Z input. The inputs can be run independently or in stereo. The 0202 USB's compact design makes it ideal for location recording.

The 0404 USB adds sixteen channels of MIDI I/O and delivers exceptional audio performance utilizing premium A/D and D/A converters, superlative XTC mic / line / Hi-Z preamps, as well as a rock-solid, ultra-low jitter clock. The 0202 USB and 0404 USB each ship with a USB cable, and the E-MU Production Tools software bundle (see above)— everything you need to create, record, edit and master your music.



0404 USB

0202 USB 2.0 (Mfr # 70EM874006000 • B&H # EM0202USB)**Call**

0404 USB 2.0**Call**

AUDIOFIRE

FireWire Audio Interfaces

An extremely small FireWire audio solution, no product this size comes packed with as many features as the **AudioFire2**. Fully balanced input and output, separately addressable headphone output, S/PDIF and MIDI I/O are all included in this 3.5 x 4.25" interface. AudioFire2 is the perfect product for any musician on the go. Power is provided directly from the FireWire bus or from the supplied power source. MIDI and S/PDIF are available via a removable dongle for compact flexibility. With the AudioFire2 you can record 24-bit/96kHz audio with low latency monitoring on any Mac OS X desktop or notebook, or Windows XP computer with a FireWire port.



AudioFire4 offers a compact audio interface with all the connections you need for your studio. With the flexibility of FireWire and bus power, you can also take the AudioFire4 on the road. The AudioFire4 can record 24-bit 96kHz audio with low latency monitoring on any Windows XP or Mac OS X computer (desktop or notebook) with a FireWire port. AudioFire4 is the perfect center for any home studio, whether at your desk or on the road. It has 2 universal inputs with mic preamps, phantom power, and trim knobs so you can just plug in your microphone or instrument and record whenever or wherever you want. AudioFire4 also comes with 2 balanced analog inputs (TRS), 4 balanced analog outputs (TRS), a stereo headphone output, 2 FireWire ports, S/PDIF I/O, MIDI I/O, and 6 channels of full duplex 24 bit 96kHz recording and playback.

AudioFire8 offers the same high quality hardware and software found in the popular Layla3G (next page), but with the addition of a FireWire interface. With the AudioFire8 you can record 24 bit 96kHz audio with low latency monitoring on any Windows XP or Mac OS X computer (desktop or notebook) with a FireWire port. AudioFire8 is the perfect center for any professional studio, whether at home or on the road. It has 2 universal inputs with mic preamps, phantom power, channel inserts, and trim knobs so you can just plug in your microphone or instrument and record whenever or wherever you want. AudioFire8 also comes with 6 balanced analog inputs (TRS), 8 balanced analog outputs (TRS), a stereo headphone output, 2 FireWire ports, S/PDIF I/O, MIDI I/O, word clock synchronization, and 10 channels of full duplex 24 bit 96kHz recording and playback.

AudioFire12 offers the same high quality hardware and software as the new AudioFire8, but with 12 balanced analog inputs and outputs for 24 bit 192kHz recording and playback. If you already have a mixer and tons of microphone / instrument preamps, but you need to get all that audio into your computer then the AudioFire12 is just for you. The AudioFire12 has 12 balanced analog inputs and outputs (TRS), 2 FireWire ports, MIDI I/O, word clock synchronization, and 12 channels of full duplex 24 bit 192kHz recording and playback.

AUDIOFIRE

They All Feature

- ◆ Dual 6-pin FireWire (IEEE1394a) iInterface allows you to daisy chain with additional FireWire devices such as a hard drive.
- ◆ Stereo headphone output with volume knob.
- ◆ S/PDIF I/O at 24-bit/96kHz (except AudioFire12)
- ◆ Near zero latency hardware monitoring.
- ◆ Low-latency drivers support all major pro audio software including: Low Latency ASIO 2.0, WDM kernel streaming mode, GSIF 2.0 (Gigastudio 3 w/ low latency MIDI), CoreAudio and CoreMIDI.
- ◆ MIDI I/O
- ◆ Heavy-duty aluminum case.
- ◆ Software console for monitoring, metering, and setting levels.

AudioFire 2

- ◆ Bus powered with 6-pin FireWire interface, external 12v DC power supply provided
- ◆ 2 balanced 1/4" analog inputs and outputs
- ◆ Supports full duplex 4 channel in, 6 channel out operation at 24 bit/96 kHz sample rate
- ◆ Pocket sized (3.5in x 4.25in x 1 in)

AudioFire2 (Mfr # AUDIOFIRE2 • B&H # ECAF2).....**199.00**

AudioFire 4 Step-up Features

- ◆ 2 auto-sensing universal inputs (mic/guitar/line) with meters, trim knobs and 48V phantom power.
- ◆ Supports full duplex 6 channel in, 6 channel out operation at 24-bit, 96 kHz sample rate
- ◆ 2 balanced 1/4" analog inputs, and 4 balanced 1/4" analog outputs

AudioFire4 (Mfr # AUDIOFIRE4 • B&H # ECAF4).....**299.00**

AudioFire 8 Step-up Features

- ◆ 2 auto-sensing universal inputs (mic/guitar/line) with meters, trim knobs, 48v phantom power, and channel inserts
- ◆ 6 balanced 1/4" analog inputs, and 8 balanced 1/4" analog outputs
- ◆ Sync via word clock or S/PDIF
- ◆ Full duplex 10 channel in/10 channel out at 24 bit/96 kHz
- ◆ Rack mountable single space interface box
- ◆ 32-bit / 1.6 gigaflop DSP for digital mixing

AudioFire8 (Mfr # AUDIOFIRE8 • B&H # ECAF8)**Call**

AudioFire 12 Step-up Features

- ◆ 12 balanced 1/4" analog inputs, and outputs
- ◆ Sync via word clock.
- ◆ Full duplex 12 channel in/12 channel out at 24 bit/192kHz

AudioFire12 (Mfr # AUDIOFIRE12 • B&H # ECAF12).....**Call**

Indigo DJ • Indigo I/O

CardBus Audio Interfaces

Indigo DJ offers two independent stereo 1/8 inch analog outputs; one for setting up your cue mix on a pair of headphones, and the other for the house mix. Each output features 24-bit/96kHz converters. Also included is a 6-ft. audio cable for RCA or 1/4 inch connections.

A unique feature of the **Indigo DJ** is the use of "virtual" outputs. Indigo DJ appears to software as if it has eight separate outputs, which are digitally mixed down to the physical outputs using Indigo DJ's "console" software and its on-board DSP. This makes Indigo DJ compatible with all popular multi-track software. And, with Echo's "multi-client" drivers, more than one application (such as an editor and a software synth) can be playing back through Indigo DJ at the same time.

Notebook pro audio recording has never sounded so good, or been this convenient and affordable. **Indigo IO** offers one stereo 1/8" analog input and output on a Type II Cardbus card powered by your notebook computer.

It combines this with 24-bit/96kHz converters for the quality you deserve. Also included is a 6 foot audio cable for RCA or 1/4 inch connections.

A unique feature of the Indigo IO is the use of "virtual" outputs. Indigo IO appears to software as if it has eight separate outputs, which are digitally mixed down to the physical outputs using Indigo IO's "console" software and its on-board DSP. This makes Indigo IO compatible with all popular multi-track software. And, with Echo's "multi-client" drivers, more than one application (such as an editor and a software synth) can be playing back through Indigo IO at the same time.

Indigo DJ - 4 Output CardBus Type II Laptop Audio Playback Card for Mac and Windows (Mfr# INDIGODJ • B&H# ECID)**179.95**

Indigo IO - 2-in/2-out CardBus Type II Laptop Audio Playback Card for Mac and Windows (Mfr# INDIGOIO • B&H# ECII)**CALL**



PCI Audio Interfaces

MiaMIDI

If you're serious about digital audio, you shouldn't settle for anything less than a truly professional audio interface.... and now with MiaMIDI you don't have to. MiaMIDI offers a pair of balanced 1/4" analog inputs and outputs and operates at the +4dBu levels used by pro-audio gear. It combines this with 24-bit/96kHz converters and 106 dB of dynamic range for the quality your recordings deserve. Also included is an S/PDIF digital audio interface for connecting to other digital audio equipment, and MIDI input/output jacks on a custom molded cable.



A unique feature of MiaMIDI is the use of "virtual" outputs. MiaMIDI appears to software as if it has eight separate outputs, which are digitally mixed down to the physical outputs using MiaMIDI's "console" software and its on-board DSP. This makes MiaMIDI compatible with all popular multi-track software. And, with Echo's "ulti-client" drivers, more than one application (such as an editor and software synth) can be playing back through MiaMIDI at the same time. Please note that the MIDI functions of MiaMIDI only work under Windows ME/2000/XP(WDM) and Mac OS X.

MiaMIDI - 4 Input / 4 Output Sound Card with S/PDIF and MIDI for Mac and Windows (Mfr # MIAMIDI • B&H # ECMM) **129.00**



Gina3G

Gina3G is a budget- priced, professional quality digital audio recorder. Gina3G has all you need—you don't even need a mixer or studio monitors to get started here. Features two universal inputs with mic preamps, 6 balanced analog outputs, and a headphone output. ADAT lightpipe, optical and coaxial S/PDIF, and MIDI are included as well; so as your studio grows, Gina3G will be able to work with all your new gear. It comes with a 8' cable and PCI card that connects to the audio interface. Gina3G is compatible with PCI and PCI-X (3.3 or 5 volt) motherboards.

Gina3G 10 Input / 14 Output 24-Bit/96kHz PCI Interface with Breakout Box and 2 Phantom Powered Microphone Inputs - Mac OS X and Windows (Mfr# GINA3G • B&H# ECG3G) **CALL**

Layla3G

Layla3G is a PCI based multitrack digital recorder ideal for any professional studio. It has 2 universal inputs with mic preamps, 6 balanced analog inputs, 8 balanced analog outputs, and a stereo headphone output. ADAT lightpipe, optical and coaxial S/PDIF, and MIDI are included as well. Layla3G comes with a 15' cable and PCI card that connects to the audio interface. Layla3G is compatible with PCI and PCI-X (3.3 or 5 volt) motherboards.



Layla3G 16 Input / 16 Output (8 Analog/8 ADAT) 24-Bit/96kHz PCI Interface with Breakout Box and 2 Phantom Powered Microphone Inputs and Traktion Software - Mac OS X and Windows (Mfr# LAYLA3G • B&H# ECL3G) **CALL**

Mia • Gina • Layla PCI Audio Interfaces

Echo Product Comparison Chart

Specification	Indigo io	Indigo dj	MiaMIDI	Gina3G	Layla3G	AudioFire2	AudioFire4	AudioFire8	AudioFire12
Digital connectors	N/A	N/A	Coax S/PDIF	Coax and Optical	Coax and Optical S/PDIF, ADAT	Coax S/PDIF S/PDIF, ADAT	Coax S/PDIF	Coax S/PDIF	N/A
Analog outputs	1 stereo 1/8"	2 stereo 1/8"	2 1/4" (TRS),	6 1/4" (TRS) (8 virtual)	8 1/4" (TRS)	2 1/4" (TRS)	4 1/4" (TRS) 1 1/8" Stereo	8 1/4" (TRS)	12 1/4" (TRS)
Digital outputs	N/A	N/A	2	2 or 8	2 or 8	2	2	2	N/A
Analog inputs	1 stereo	N/A	2	2 universal	2 universal	2 1/4" (TRS) 6 1/4" (TRS)	2 universal	2 universal, 2 1/4" (TRS)	12 1/4" (TRS) 6 1/4" (TRS)
Digital inputs	no	no	2	2 or 8	2 or 8	2	2	2	N/A
Nominal output levels	no	no	yes	yes	yes	yes	yes	yes	yes
Nominal input levels	no	no	yes	yes	yes	yes	yes	yes	yes
Default nominal level	-10	-10	+4	+4	+4	+4	+4	+4	+4
Analog input gain	no	no	no	2 universal	2 universal	no	2 universal	2 universal	no
Input / Output Clocks	no	no	S/PDIF	S/PDIF, ADAT	Word, S/PDIF, & MTC	S/PDIF ADAT, & MTC	S/PDIF	Word & S/PDIF	Word
Midi	no	no	yes	yes	yes	yes	yes	yes	yes
Sample rates	32, 44, 48, 88, 96	32, 44, 48, 88, 96	32, 44, 48, 88, 96	32, 44, 48, 88, 96	32, 44, 48, 88, 96	32, 44, 48, 88, 96	32, 44, 48, 88, 96	32, 44, 48, 88, 96	32, 44, 48, 88, 96, 192
Dynamic Range (A-Weighted)	109dB	110dB	106dB	110dB in, 114dB out	113dB in, 114dB out	112dB in, 114dB out	112dB in, 114dB out	113dB in, 114dB out	113dB in, 114dB out
Full Duplex	yes	N/A	yes	yes	yes	yes	yes	yes	yes
GSIF compatible	yes	yes	yes	yes	yes	yes	yes	yes	yes
Other	8 virtual output	8 virtual output	8 virtual output	headphone output	headphone output	headphone output bus power	headphone output supported	headphone output	12 channels full duplex
Interface	CardBus	CardBus	PCI	PCI	PCI	FireWire	FireWire	FireWire	FireWire

UA-1EX



USB Audio Interface

The UA-1EX is a simple ASIO-compatible 2-input/2-output USB audio interface for Mac or Windows capable of 24-bit/96kHz operation. Designed to offer component-quality audio signals in and out of your computer, it features professional A/D and D/A converters, ensuring accurate recording and playback and offers excellent sound quality for connection to any RCA or S/PDIF optical device. The UA-1EX also offers an electret condenser microphone input similar to the "MIC-IN" on most internal sound-cards and a headphone output with volume control to quickly and easily listen to audio from your computer. The UA-1EX is ideal for use with laptops where audio quality is all but ignored, offering superior audio quality, versatility, and the utmost in portability.

◆ ASIO 2.0 (Win/Mac), WDM (Win2000/XP), Core Audio (Mac OS X) compatibility

◆ USB Powered (no AC adaptor required)
◆ S/PDIF optical In & Out

UA-1EX

(Mfr# UA-1EX • B&H# EDUA1EX)**79.00**

UA-25 USB Audio Interface

The UA-25 is a powerful USB Audio/MIDI interface designed to offer premium sound quality, rugged durability, and complete portability. The UA-25 is compact enough to travel anywhere you can take your computer. Constructed of high-grade aluminum for the chassis; it can withstand hard impacts that are normally associated with traveling or working in the field, and the aluminum is an excellent shield against high-frequency interference from other electrical components. The UA-25 is USB powered, so you never have to plug it into a wall socket, but it can still power condenser microphones with its 48V phantom power. Audio professionals will love the UA-25 for its ability to output audio at +4dBu from the balanced 1/4" outputs, making it the best portable audio interface to shuttle between the field and the studio.



◆ Durable solid aluminum chassis
◆ Latest audio interface technology is condensed into the UA-25, giving users the highest-performance 24-bit/96kHz recording and playback via USB.
◆ Premium audio quality — The UA-25 uses powerful analog electronics coupled with well-matched A/D & D/A converters for superior audio fidelity.
◆ Wide variety of I/O ports — Wide range of input and output ports in a compact case. A pair of Neutrik XLR/TRS combo jacks with Phantom power, Hi-Z port for guitar direct connection, S/PDIF optical I/O ports and MIDI IN/OUT ports.

◆ Built-in analog limiter — Reduce sudden overloaded sounds or popping noises in your recordings. You can often get overloaded levels while recording on the fly. With this switch set, you can still achieve a high-quality sound while retaining a wide dynamic range. The side diagram shows the Limiter characteristics.
◆ Zero-latency direct monitoring — The UA-25 provides ultra low latency with maximum performance from popular music software such as Sonar, Logic, and Cubase. You can control Direct Monitoring from the front panel, not only for ASIO 2.0-compatible applications but also for others. Ideal for soft synths controlled from MIDI devices.

◆ +4 dBu output for pro applications
◆ The bundled CD-ROM has drivers for WDM (Windows XP/2000)/ASIO 2.0 (Windows, Mac OS 9) and CoreAudio (Mac OS X).
◆ Balanced I/O Ports — The UA-25 generates low-noise and has a wide-range power supply all via USB. Thanks to this, the UA-25 gives +4 dBu balanced professional audio input and output connections.
◆ Two High-Quality Mic Preamps — Includes a pair of high-quality microphone preamps using premium analog components. It provides a clean recording environment to give a perfect recording. USB-powered phantom powered preamps

UA-25 - 2 In / 2 Out USB Audio/MIDI Interface for Mac and Windows (Mfr # UA-25 • B&H # EDUA25)**CALL**

UA-4FX



USB Audio/Midi Interface

The UA-4FX is a portable USB audio/MIDI interface that sets the standard for affordable interfaces with its ultra-fast, low-latency audio and MIDI performance, 24-bit/96kHz audio resolution, phantom-powered XLR mic input, and built-in effects — including a COSM tube MIC preamp simulator for fattening up your tracks. The UA-4FX also includes a copy of Cakewalk's SONAR LE recording software and Edirol Virtual Sound Canvas plug-in (PC), making it a true all-in-one recording solution at an incredibly low price.

- ◆ 14 types of powerful, onboard effects, including COSM tube mic preamp simulator
- ◆ XLR input with phantom power, Hi-Z guitar/dynamic mic input
- ◆ Supports WDM, ASIO 2.0, and Mac OS X Core Audio formats. Enjoy low-latency audio performance on both platforms.
- ◆ With built in COSM® tube mic-preamp simulator, multi-band compressor/limiter for mastering, amp simulator and distortion/chorus/delay for guitar, reverb, noise suppressor and more, the UA-4FX is an irresistible package for computer-recording enthusiasts on a budget.
- ◆ Route audio in and out of the UA-4FX via analog I/O or take advantage of its S/PDIF optical output. Windows XP users can use the optical output for Dolby Digital or DTS 5.1 Surround output as well.
- ◆ Connect synths, modules, and controllers via MIDI, and enjoy ultra-fast, stable performance thanks to Edirol's FPT (Fast Processing Transmission) technology. A single USB cable provides both the MIDI and audio links between your computer and the UA-4FX.

UA-4FX - 2-In/ 2-Out Audio Interface (Mfr # UA4FX • B&H # EDUA4FX).....149.00

UA-101

10-in/10-out USB Audio Interface

The UA-101 is a half-rack, high-speed USB audio interface designed to turn your computer into a powerful digital audio workstation. No other computer connection is required to get a full 10-inputs and 10-outputs at 24-bit/96kHz to the computer. Built to offer low latency and extraordinary stability, the UA-101 is the easiest-to-use, yet most-powerful compact audio interface available.



- ◆ Offers dedicated monitor outputs, kept separate from its channel outputs 1-8.
- ◆ Features all-balanced inputs and outputs with input level selection switches on inputs 3-8, offering either +4dBu or -10dBu levels.
- ◆ The UA-101 uses premium analog components perfectly matched to its A/D converters for incredible fidelity. All audio is processed internally at 40-bit resolution to ensure accurate recording.
- ◆ The UA-101 offers incredibly low latency through both WDM and ASIO 2.0 support for superior performance in your home studio.
- ◆ The UA-101 comes with a powerful software application that allows you to route your inputs to various outputs and adjust your input monitor mix. This application allows the UA-101 to be reconfigured in a variety of ways without requiring any cable swapping or changes in your DAW application.
- ◆ When connected via USB 1.1, the UA-101 will function as a stereo audio interface at 44.1 or 48kHz with any Win98 or later PC or Mac OS X computer. When connected to Windows XP computer running USB 2.0, the UA-101 offers the full set of I/O options.
- ◆ The UA-101 allows you more freedom in setting your recording levels with the built-in limiter. Prevent clipping in your recordings. Get high-quality studio recordings with a wide dynamic range. No more worry about clipping a live recording or losing valuable signal because of brief loud transients.
- ◆ Offers both MIDI input and output to connect external MIDI devices to your DAW.
- ◆ Channels 9 and 10 are dedicated S/PDIF digital channels, offering convenient connection to DAT, Minidisc, or other digital sources and destinations at up to 96kHz.

UA-101 (Mfr # UA-101 • B&H # EDUA101)499.00

FA-66 / FA-101

FireWire Audio Interfaces

The FA-66 is a 6-channel (can record and play back up to six channels at 24-bit/96kHz, or record and play back up to four channels at 24-bit/192kHz) portable FireWire audio interface designed with the mobile recording and performance professional in mind. It offers incredible audio fidelity, stability, and a practical set of input and output options. It also offers two XLR/TRS combo inputs with phantom power, plus two RCA inputs, four balanced +4dBu outputs, optical S/PDIF I/O, a built-in analog limiter, zero-latency direct monitoring, solid metal construction, and FireWire bus power, all in a durable compact case.



The FA-101 is a feature-packed 10-channel (can record and play back up to 10 channels at 24-bit/96kHz, or record and play back up to 6 channels at 24-bit/192kHz) portable FireWire audio interface designed with the mobile recording and performance professional in mind.

Features two phantom-powered XLR/TRS combo jacks offer premium mic preamps for high-quality recording. The back of the FA-101 hosts a number of 1/4" TRS balanced inputs & outputs: six inputs and eight outputs in all. The front-mounted S/PDIF optical I/Os transfer audio to and from other digital devices. The built-in MIDI interface allows a synthesizer or controller keyboard to be connected to the FA-101 for sequencing directly into a software program.

FA-66: 6 Input / 6 Output 24-Bit/192kHz Portable FireWire Interface for Mac and Windows (Mfr# FA-66 • B&H# EDFA66)**CALL**

FA-101: 10 Input / 10 Output 24-Bit/192kHz FireWire Interface for Mac and Windows (Mfr# FA-101 • B&H# EDFA101)**CALL**

FOCUSRITE

Saffire

4-input/10-output FireWire Interface with Onboard DSP

A FireWire interface with onboard DSP and 24-bit/192kHz processing, Saffire fuses state-of-the-art hardware with integrated software to take audio interfacing one step closer to professional studios. The bundled 'SaffireControl' is an intuitive software that floats comfortably over any recording software and allows extensive control over the sound of the recorded signals and the multiple (monitor and headphone) output paths. Compression, reverb, amp modeling and EQ Saffire-powered plug-ins are included. Up to five separate user-defined stereo mixes can be created of all incoming signals and recorded tracks from the recording platform.



- ◆ Ultra-low latency Firewire 400 interface with onboard DSP
- ◆ Four inputs; two Focusrite preamps and SPDIF I/O
- ◆ Eight balanced outputs for creating separate headphone/monitor mixes or 7.1 surround monitoring.

- ◆ MIDI I/O
- ◆ Suite of Saffire-powered plug-ins; compression, EQ, amp modeling and monitor path reverb available on analog inputs, for recording wet and or monitoring. All four are also available as a suite of plug-ins from within the recording platform in use.

- ◆ Bundled software allows the engineer to create up to five unique stereo mixes of all incoming and recorded tracks.

Saffire - FireWire Audio Interface with Saffire Control Software (Mfr# SAFFIRE • B&H# FOS).....**CALL**

Saffire LE

4-input/10-output FireWire Interface

Six inputs and eight outputs (including stereo digital I/O) with comprehensive monitoring and I/O control options ensure there are plenty of options for tracking and monitoring high quality audio. Focusrite build and sound quality, intelligent front-end design and a one-click GUI solution combine to guarantee an intuitive and trouble-free professional recording experience. Although only the original Saffire has onboard DSP, the Saffire LE comes complete with the entire Saffire plug-in suite, offering highly acclaimed Compression, Reverb, Amp modeling and EQ in VST and AU formats.

As with the original Saffire, input and output levels and latency-free monitoring solutions can all be controlled via the accompanying SaffireControl LE software. This stylish application floats comfortably over any recording software, and can shrink in size to suit a number of different recording scenarios. Together with expertly designed analogue inputs and unrivalled digital conversion, Saffire LE is the perfect solution for discerning recording musicians on a budget.



- ◆ Ultra-low latency Firewire interface
 - ◆ Unprecedented audio and conversion performance for the price
 - ◆ Six inputs; Two Focusrite preamps, two balanced Line I/Ps and stereo S/PDIF I/O.
 - ◆ MIDI I/O and MIDI Thru
 - ◆ Eight Outputs; Six balanced analogue outputs for creating separate headphones/monitor mixes or 5.1 surround monitoring, plus stereo S/PDIF Out
 - ◆ Bundled Software Pack – Including Ableton Live 5 Lite, FXpansion’s BFD Ultralite and GURU demo version and 470MB of samples, compiled for Focusrite by Loopmasters.
- Saffire LE - (Mfr# SAFFIRE LE • B&H# FOSLE)249.99**

Saffire Pro 10 • Saffire Pro 26

The Saffire PRO 10 and PRO 26 feature highly integrated I/O and monitoring control software (Saffire Control PRO), and can allow for larger recording solutions via the option to aggregate multiple units, all controlled via the same control platform.



- ◆ Housed in a stunning 19” rackmount case with detachable rack ears, the PRO 10 combines eight channels of Focusrite pre-amplification with eight balanced line outputs, and stereo SPDIF I/O. Saffire PRO 26 combines eight pre-amps with sixteen channels of ADAT, and two channels of SPDIF (up to 192kHz). It also employs Focusrite’s high performance 24-bit digital converters.
- ◆ The pre-amps featured in Saffire PRO 10 and PRO 26 are a derivative of the award-winning Green Series. This pre-amp design upholds the same high bandwidth philosophy whilst boasting class-leading specifications. In addition, the converters adhere to performance specifications far beyond other similarly priced interfaces. As with all Saffire solutions, they can be either bus-powered or powered via an external PSU. They are also designed to take full advantage of the external PSU and to maximize performance when powered in this way.
- ◆ They also feature MIDI I/O alongside a host of additional processing features, as well as two headphones outputs with volume control (again customizable within SaffireControl PRO) and a global monitor control with mute and dim options,
- ◆ On the PRO 10, two channels with DI are also provided, eliminating the need for a separate DI box. The PRO 26 steps up with two 'super channels' featuring variable mic impedance and instrument input, instantly accessible on the front fascia.
- ◆ Both are bundled with SaffireControl PRO which delivers a control application that provides comprehensive custom mix solutions. It also offers quick-select 'tracking' and 'playback' solutions, as well as both the float and shrink/expand facilities. The PRO 10 and PRO 26 are also bundled with the same acclaimed Compression, Reverb, Amp Modeling and EQ VST/AU plug-ins for use in the mix.

Saffire PRO 10: 10-Input / 10-Output FireWire Digital Audio Interface for Mac and Windows (Mfr# SAFFIRE PRO 10I/O • B&H# FOSP10IO)**499.99**
Saffire PRO 26: 26-Input / 26-Output FireWire Digital Audio Interface for Mac and Windows (Mfr# SAFFIRE PRO 26I/O • B&H# FOSP26IO)**699.99**

USB Audio Interfaces



Alpha

Alpha is a desktop recording studio that includes everything needed for portable, professional recordings including the Alpha Studio USB I/O mixer, Steinberg's Cubase LE multi-track PC and Mac recording software, and the Lexicon Pantheon VST reverb plug-in.

- ◆ A bus-powered 2x2x2 USB I/O mixer, Alpha features one XLR microphone input, two TRS line inputs and two TRS & RCA line outs.
- ◆ Front panel features an ultra high-Z 1/4" instrument input for direct to computer recording and a 1/8" high powered headphone output.
- ◆ Conveniently powered directly from the USB bus, Alpha can stream two channels of 44.1 or 48 kHz audio at either 16- or 24-bit resolution to Mac or PC computers.
- ◆ Record two tracks at once from two input sources. Mic and line inputs have individual level controls and peak meters.
- ◆ Mono/stereo monitoring is provided, as well as Zero-latency Direct/Playback Monitoring, allowing for delay-free overdubs.
- ◆ Alpha can be used with almost any recording software.

Alpha Studio - (Mfr# ALPHA • B&H# LEALPHA) ...**99.95**

Lambda

Lambda is a desktop recording studio that includes everything needed for portable, professional recordings including the Lambda Studio USB I/O mixer and MIDI interface, Steinberg's Cubase LE multi-track PC and Mac recording software, and the Lexicon Pantheon VST reverb plug-in.

- ◆ Lambda is a bus-powered 4x2x2 USB I/O Mixer packaged as a complete recording solution with Cubase LE and the Lexicon Pantheon VST Reverb plug-in.
- ◆ Two XLR microphone inputs with TRS inserts and switchable phantom power.
- ◆ Rounding out the full complement of connectivity on Lambda are two TRS balanced 1/4" line inputs, two TRS balanced line outputs, 1/8" front-panel high-power headphone output jack, a front-panel instrument input, and MIDI input/output.
- ◆ Conveniently powered directly from the USB bus, the Lambda Studio can stream four channels of 44.1 or 48 kHz audio at either 16 or 24-bit resolution to Mac or PC computers.
- ◆ Record two tracks at once from up to four input sources, while recording MIDI data.
- ◆ Mic and line inputs have individual level controls and peak meters.
- ◆ 2-channel, 4-segment LED bar graph meter indicates input level, while phantom power and USB LED indicators provide information on the unit's status.
- ◆ Mono/stereo monitoring is provided, as well as Zero-latency Direct/Playback Monitoring, allowing for delay-free overdubs.
- ◆ Lambda can be used with almost any recording software.

Lambda Studio - 5 Input (2 Channel Record) / 2 Output Desktop Recording Studio with bundled software - (Mfr# LAMBDA • B&H# LELAMBDA)**149.95**



Omega Studio

Taking a whole-system approach to desktop recording, the Omega Studio is an integrated 24-bit computer recording system that includes the Omega 8x4x2 USB I/O mixer, ProTracks Plus 32-track recording software, Bias Deck SE and Pantheon Lexicon reverb plug-in.

Differentiating itself from standard computer I/O boxes which are typically based on a patch-bay paradigm, the Omega 8x4x2 USB I/O mixer is based on a mixer paradigm and includes input, output and mixing functions that support a variety of tracking/monitoring applications while requiring no additional mixing hardware.

Omega Studio (con't)

- ◆ The Omega I/O mixer provides 8 inputs which are assignable in pairs to any of 4 simultaneous record channels featuring high-resolution 24-bit A/D converters.
- ◆ Two of the inputs feature low-noise dbx mic-preamps with 48v phantom power and TRS insert points. Four TRS active balanced line inputs accept up to +22dBu signals to allow interfacing to unbalanced or professional high-output level balanced equipment.
- ◆ S/PDIF input combined with an additional DAC for zero-latency, direct monitoring of the S/PDIF source to allow simultaneous tracking of analog and digital sources. Has a high-impedance instrument input.
- ◆ Omega I/O mixer provides a peak indicator for each analog input as well as an assignable bargraph meter for signal level monitoring. By monitoring signal at the A/D converters, it avoids the software-only level monitoring that can miss clipping and ruin your track.
- ◆ The Omega I/O mixer includes a fully opto-isolated MIDI input to ensure that there is no annoying ground loop hum or MIDI talk-through noise common with many I/O boxes and sound cards. MIDI output has rock-solid synchronization to USB frame rate to support applications requiring critical sync.
- ◆ Bundled ProTracks Plus is a 32-track recording suite for Windows that includes all the modules you need to track, edit, process, sequence and mix your masterpiece. Not only does it include non-linear editing, plug-in support, and acidized looping features, it contains a full featured MIDI sequencer with event editing and automation features as well as soft synth support.
- ◆ For Mac users, Omega also ships with BIAS Deck 3.5 SE recording software, which turns a Mac into a full-fledged recording studio. Record up to 64 tracks, with full CD quality and then edit instantly, while always being able to revert to your original recordings.
- ◆ Designed entirely by Lexicon engineers, the included Pantheon reverb plug-in offers 35 factory presets featuring 6 reverb types (hall, chamber, plate, room, ambience and custom) controlled by a user interface with 16 editable parameters.

Omega Studio - 24-bit 8 Input / 4 Output USB Interface for Mac and Windows
(Mfr# OMEGA • B&H# LEOMEGA) **CALL**

TONEPORT GX

USB Audio Interface

Start recording with TonePort GX – the USB recording interface that gives guitarists and bass players the legendary sound of POD at an unprecedented price. Small enough to clip to a guitar strap, this portable, palm-sized powerhouse offers nothing less than professional-grade 24-bit audio recording, with rock-solid drivers supporting USB audio compatibility with most popular recording platforms.



Boasting the unrivalled amp, cabinet and effect models of POD, TonePort GX delivers professional-grade tone and hassle-free, low-latency music making in a surprisingly affordable, portable and fun-to-use package.

- ◆ Portable USB recording interface
- ◆ 1/4-inch instrument/mic input
- ◆ Sample rate conversion: 16 and 24 bit at 44.1, 48 and 96 kHz
- ◆ Gearbox amp and effects modeling software for Guitar, Bass and Vocals includes:
 - ◆ 23 guitar/bass amp models with 29 cabinet models
 - ◆ 6 vocal mic preamps for amazing, studio-quality tracks
 - ◆ 29 stompbox and studio effect models, including Overdrive, Delay, Reverb, Wah, Flanger, Chorus, and more
 - ◆ GearBox music player software lets you jam along with CDs or MP3s, even at half-speed playback without changing pitch

TonePort GX - USB Recording Interface for Mac and Windows (Mfr# 99-073-0140 • B&H# LITPGX) ...**49.99**

TONEPORT UX1 & UX2

USB Audio Interfaces



TonePort UX2

- ◆ TonePort UX1 features a high-quality mic input with preamp, a guitar/bass instrument input, stereo line inputs and outputs, stereo headphone jack, and an analog merge monitoring input.
- ◆ TonePort UX2 adds analog VU meters, a second microphone input and preamp, phantom power for both preamps, stereo digital S/PDIF out, a padded instrument input, dual footswitch jacks assignable to MIDI functions such as start/stop and punch in/out, and independent volume controls for the headphone and main outputs.
- ◆ Both support 44.1/48KHz with 16/24-bit recording, a 96KHz mode, and drivers for ASIO, WDM, and Core Audio. Both feature ToneDirect monitoring – a unique way of hearing fully processed audio while recording with incredibly low latency regardless of the buffer settings in your recording app.
- ◆ Bundled Line 6 GearBox software delivers world-class studio tone. Includes over 40 amp and cab models, 6 models of the most in-demand mic preamps ever created, and 24 faithful sounding effects. They also include Line 6 Edition recording software.

TonePort UX1 - USB Audio Interface (Mfr# 99-073-0105 • B&H# LITPUX1)**89.99**

TonePort UX2 - USB Audio Interface (Mfr# 99-073-0115 • B&H# LITPUX2)**139.99**

LynxONE



24-Bit Digital Audio/MIDI PCI Card

Representing a great value in integration and professional capabilities, LynxONE is the perfect "front-end" for any studio quality audio or MIDI workstation. LynxONE combines studio-quality 2-channel analog I/O (sampling rate up to 50kHz), bit-perfect AES/EBU or S/PDIF digital I/O supporting up to 96kHz, and 32 channels of low latency MIDI to create a new standard in interface hardware for audio and MIDI workstations. And LynxONE's compatibility with all popular Windows-based audio editing and MIDI sequencing software allows users to choose their own working environments. Applications include critical audio recording and editing, CD mastering, restoration, audio for video, music composition, and MIDI sequencing.

FEATURES

- ◆ Two-channel 24-bit A-D and D-A converters and a simple analog signal chain ensure exceptional sound quality. (Software selectable +4dBu or -10dBV levels).
- ◆ If you are working in an all digital environment, the LynxONE delivers bit-perfect digital audio at up to 96kHz, via an AES/EBU or S/PDIF I/O (software-selectable in the LynxONE mixer application).
- ◆ Independent, 24-bit audio stream architecture supports simultaneous four-channel recording and playback.
- ◆ The flexible mixer application also provides keyboard and mouse control over the sample clock generator, monitor source, analog trim and levels of all four channels, with peak level metering.
- ◆ Low-jitter PPL sample clock allows the LynxONE to be used as a slave or master timing source, enabling up to four cards to be linked together for multi-channel operation.
- ◆ Low-jitter, highly adjustable sample clock tunable to all rates 8kHz to 100kHz.
- ◆ The ability to easily monitor the recording inputs is a must during overdubbing sessions. LynxONE lets you select either the analog or digital inputs as the monitor source. This signal can be mixed with playback audio on either the analog or digital outputs or both simultaneously. This capability also allows "stand-alone" A/D or D/A conversion completely on board LynxONE. Because mixing is performed in hardware, recording input-to-output delay is extremely low.
- ◆ PCB layout and circuit design techniques reject computer related noises. Offers 103dB of "real-world" dynamic range when installed in a typical computer.
- ◆ Two independent MIDI ports provide 32 channels of low-latency MIDI I/O, with real-time transfer of Note On/Note Off and MTC messages over the PCI bus for accurate timing and synchronization in music composition and MIDI sequencing applications.
- ◆ Clock inputs and outputs sync to word, word*256, video clocks and to other LynxONE's.
- ◆ Supports 8, 16, 24 and 32 bit audio file formats.
- ◆ Compatible with Windows-based audio editing and MIDI sequencing software, LynxONE delivers exceptionally high levels of performance in critical audio recording and editing, CD mastering, audio for video and MIDI sequencing applications.
- ◆ Comes complete with balanced analog, digital and MIDI/clock cables for easy integration into your existing setup.
- ◆ MIDI/Clock cable is HD15 to standard MIDI connectors for both inputs and outputs. BNC for Clock input and output.

Complete software control of LynxONE's features is provided with the LynxONE Mixer. As shown to the right, this application permits keyboard and mouse click control of volume, sample clock generator, digital I/O format, analog trim, and input monitoring. Peak level meters are also provided.



LynxONE (Mfr # LYN-L1 • B&H # LYLO).....**Call**

LynxONE MIDI/Sync Cable

(Mfr # CBL-L1IO • B&H # LYMSCL1).....**39.95**

6' DB-25 to 3 XLRM and 3 XLRF breakout cable (Mfr # CBL-L1AUDIO • B&H # LYACDB25X).....**39.95**

LynxTWO

192kHz Multichannel Audio Reference Interface

Incorporating state-of-the-art technology, LynxTWO is capable of precision and performance that exceeds stand-alone converters. The standard for signal purity, versatile synchronization, powerful hardware mixing, and extensibility to support a variety of multichannel formats including ADAT and TDIF.

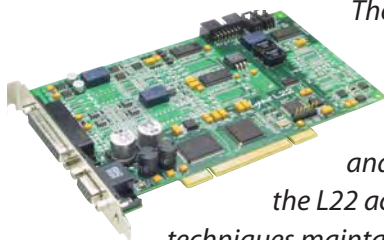
The LynxTWO incorporates the latest generation 24-bit/192kHz converter technology to create a PCI audio which rivals the performance of many high-end studio converters. A choice of three multi-channel analog configurations makes it ideal for DVD-authoring, multi-channel recording, mastering, broadcasting, synchronization and video applications, with non-audio digital I/O support provided for Dolby Digital.



- ◆ 24-bit analog inputs and outputs with three options: 4-in/4-out (LynxTWO-A), 2-in/6-out (LynxTWO-B) or 6-in/2-out (LynxTWO-C), each with line levels of either +4dBu or -10dBV, selectable in channel pairs through the mixer software.
- ◆ 32-channel software mixer controls routing, monitoring and sample clock settings.
- ◆ Includes balanced audio and sync cable sets
- ◆ Has one digital I/O supporting both AES/EBU and S/PDIF formats at 16, 20 and 24-bit depths, and features a sample rate converter for up to 3.1 rate conversion from the digital input signals.
- ◆ Internal port allows data routing and synchronization between multiple LynxTWO cards, while the external port allows the connection of ADAT, TDIF and other multi-channel interfaces for system flexibility.
- ◆ Two LStream expansion ports support multi-channel interface modules, with each port offering 8-input/output channels of 24-bit/96kHz operation.
- ◆ Include an LTC reader/generator which accommodates all standard frame rates, and a low-jitter sample clock generator capable of locking to NTSC/AL video signals, and to standard reference and word clock signals.

LynxTWO A: 4-In / 4-Out PCI Sound Card with Balanced Analog, AES/EBU for PC & Mac (Mfr# LYNXTWOA • B&H# LYLTA)**Call**
LynxTWO B: 2-In / 2-Out PCI Sound Card with Balanced Analog, AES/EBU for PC & Mac (Mfr# LYNXTWOB • B&H# LYLTB)**Call**
LynxTWO C: 6-In / 2-Out PCI Sound Card with Balanced Analog, AES/EBU for PC & Mac (Mfr # LYNXTWOC • B&H # LYLTC)**Call**

Lynx L22 192kHz PCI Digital Audio Interface



The Lynx L22 is a professional audio interface card designed for the most demanding audio recording, post-production, broadcast, and measurement applications. Based on LynxTWO technology, the L22 can capture or generate signals beyond the audio bandwidth up to 100 kHz with extreme accuracy. Using proprietary circuit topologies and custom components in the analog stages coupled with the latest converter technology, the L22 achieves a 117 dB dynamic range. Most importantly, advanced noise-rejection design techniques maintain this performance in real world use from computer to computer.

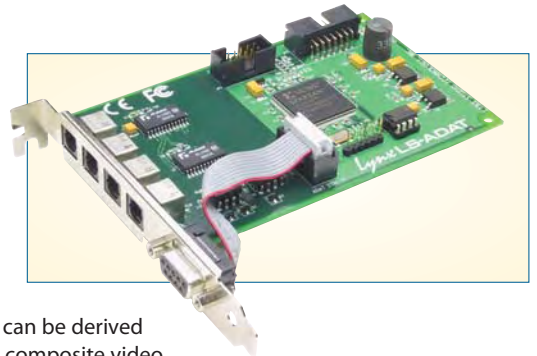
- ◆ Large on-board buffers and extremely efficient zero-wait state DMA engine ensure glitch-free recording and playback. Provides tolerance to system latencies and significantly reduces load on the host CPU.
- ◆ Extremely flexible onboard digital mixer allows the L22 to adapt to any studio or workstation configuration.
- ◆ Each of the mixer's 16 outputs is capable of mixing signals from 16 physical inputs or 16 playback tracks with 32-bit precision.
- ◆ A choice of dither algorithms is available on each input to mask low-level artifacts while reducing word widths to 8, 16, or 20 bits.
- ◆ The L22 provides I/O expansion via its two LStream ports. Combined, these ports allow 16 channels of additional I/O from external ADAT, AES/EBU, or TDIF devices. The ports can also be used to route data and synchronize to other L22's or LynxTWO's to create high channel-count systems.

Lynx L22: 2-In / 2-Out PCI Card for Mac and Windows (Mfr# LYNXL22 • B&H# LYLL22)**674.95**
 L22 Sync Cable (Mfr # CBL-L22SYNC • B&H # LYSCL22)**34.95** 6' DB-25 to 2 XLRM& 2 XLR Breakout Cable (Mfr# CBLL22AUDIO • B&H# LYACL22)**47.95**

LS-ADAT

Multi-channel ADAT Expansion Card

The LS-ADAT is a full-function ADAT interface that provides two ADAT lightpipe inputs and outputs and an ADAT sync input for the LynxTWO and Lynx L22 audio cards. Operating at a sample rate of 48 kHz, the LS-ADAT I/O channel capacity is 16. Higher sample rates are supported using S/MUX technology: 8 channels at 96 kHz and 4 channels at 192kHz.



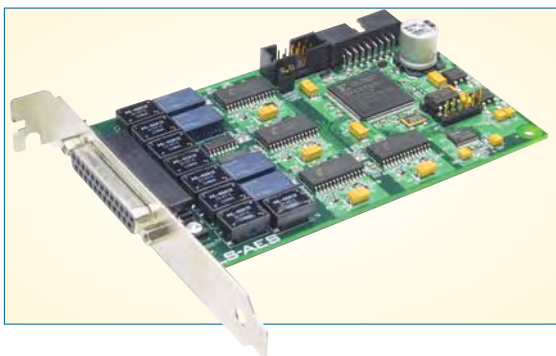
- ◆ The ADAT sync input provides two methods of sample-accurate synchronization.
- ◆ In systems using ASIO compatible audio applications, the LS-ADAT utilizes Steinberg's ASIO Positioning Protocol for synchronization to ADAT time code.
- Using the LS-ADAT's cue point capability initiates recording or playback with sample period resolution.
- ◆ Sample clock source can be derived from a word clock or composite video received by the LynxTWO. In addition, either lightpipe input or the Sync In port can also be selected as the clock source.
- ◆ The LS-ADAT can also transmit time code via MTC for general compatibility with many applications.
- ◆ Installs in an empty bracket internally in your computer, no PCI slot required.

Now you can easily increase the I/O capacity of the LynxTWO and L22 digital audio cards. The LS-AES and LS-ADAT provide high-performance multi-channel AES/EBU and ADAT connectivity for any Windows or Macintosh based audio or video workstation at sample rates up to 192kHz.

Channels from the expansion cards are connected directly to the LynxTWO/L22 digital mixer. This allows almost unlimited routing capabilities with expansion card I/O's, as well as the analog and digital I/O's of the host LynxTWO or L22.

Using the LynxTWO/L22 Mixer application, "stand-alone" functions can be configured that place no demand on the host computer. In a LynxTWO system these functions include but are not limited to:

- Four-channel, 192 kHz analog-to-AES or analog-to-ADAT converter
- Four-channel, 192 kHz AES-to-analog or ADAT-to-analog converter
- Eight-channel AES digital patch-bay
- 16-channel ADAT digital patch bay
- AES to ADAT or ADAT to AES format converter
- Composite video or word clock to AES or ADAT synchronizer



LS-AES LStream Expansion Card

The LS-AES is an 8-channel AES/EBU or S/PDIF LStream interface module that is designed for use with the LynxTWO and Lynx L22. The LS-AES provides four inputs and outputs that support professional AES/EBU and consumer S/PDIF digital I/O formats. Connections are transformer coupled with pro-quality sample rate conversion (SRC) available on all inputs. The LS-AES is also compatible with Dolby Digital and DTS encoded formats.

- ◆ Running at a sample rates up to 96 kHz, the LS-AES provides eight I/O channels in single-wire mode and four channels in dual-wire mode. At 192 kHz, four channels of I/O are available in dual-wire mode and two channels in quad-wire mode.
- ◆ For additional channel capacity, two LS-AES cards can be used simultaneously with one LynxTWO or L22.
- ◆ The LS-AES can handle both asynchronous and synchronous studio configurations. SRC can be enabled independently on each digital input to accommodate asynchronous signals from multiple digital devices. Alternatively, all inputs can be run synchronously and any input can be selected as the system clock source. The card can also be synchronized to a word clock or composite video received by the host LynxTWO.
- ◆ For S/PDIF coaxial connections, the optional Lynx XLR to RCA S/PDIF adapters CBL-XFDRM18 and CBL-XMDRM18 are required. The LS-AES installs in an empty bracket internally in your computer, no PCI slot required. Includes: LS-AES Internal Card LS-AES LStream Ribbon Cable 6' AES/EBU Breakout Cable

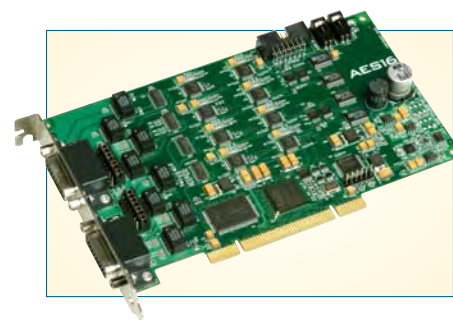
LYNX CARDS COMPARED

	LynxONE	Lynx L22	LynxTWO-A	LynxTWO-B	LynxTWO-C
Analog Input Channels	2	2	4	2	6
Analog Output Channels	2	2	4	6	2
Digital Channels	1 Stereo	1 Stereo	1 Stereo	1 Stereo	1 Stereo
Maximum Sample Rate	96kHz	96kHz	96kHz	96kHz	96kHz
AES/EBU and S/PDIF Support	Yes	Yes	Yes	Yes	Yes
Bit Perfect Transfers for Dolby & DTS	Yes	Yes	Yes	Yes	Yes
LStream I/O Ports		2	2	2	2
MIDI Ports	2				
LTC Reader			Yes	Yes	Yes
LTC Generator			Yes	Yes	Yes
LTC to MIDI Time Code (MTC) Conversion			Yes	Yes	Yes
Word Clock	Yes	Yes	Yes	Yes	Yes
256 Word Clock	Yes	Yes	Yes	Yes	Yes
SMPTE Longitudinal Time Code (LTC)			Yes	Yes	Yes
NTSC/PAL Composite Video Genlock			Yes	Yes	Yes

AES16

192 KHZ Multi-channel AES/EBU Interface

The AES16 offers unprecedented AES/EBU channel capacity and routing flexibility in a single PCI card format. With support for up to 16 channels of input and output at sample rates up to 192 kHz/24-bit, the AES16 turns your computer into a powerful digital router or patchbay with extensive flexibility with minimal cabling. Most importantly, the AES16 supports 192 kHz/24-bit single-wire and dual-wire modes. Up to four AES16's can be installed in a single computer.



- ◆ Offering a solution for jitter problems in AES signals, the AES16 incorporates SynchroLock technology that provides extreme jitter tolerance at all inputs. By coupling statistical analysis with low-noise clock generation techniques, SynchroLock is able to extract a very clean clock from AES signals affected by long cable lengths and other noise sources. The clock output of SynchroLock can also be used as a very accurate word clock source for other studio devices.
- ◆ The AES16 includes an LStream expansion port for increasing its I/O capabilities. Connecting a Lynx LS-ADAT adds multi-channel ADAT lightpipe I/O and supports format conversion between AES/EBU and ADAT. The LStream port can also be used for routing data to a second AES16 and increasing the channel count to 32.

The on-board digital mixer offers flexible patch-bay style routing and digital mixing. Zero Latency 32-channel / 32-bit digital mixer with 16 sub outputs. Multiple dither algorithms per channel.



- ◆ Glitch-free recording and playback is assured due to the AES16's large on-board buffers and extremely efficient zero-wait state DMA engine. These features provide tolerance to system latencies and significantly reduce load on the host CPU. Data transfer hardware and software are highly optimized to provide extremely low latencies for ASIO and other real-time applications.

- AES16:** Without cables (Mfr # LYN-A16 • B&H # LYAES16)CALL
- AES16E:** PCIe without cables (Mfr # LYN-A16E • B&H # LYAES16E)CALL
- AES16-XLR:** Includes two sets of CBL-AES1604 breakout cables (Mfr # LYN-A16XLR • B&H # LYAES16XLR)CALL
- AES16-SRC:** Includes XLR cable sets and eight channels of onboard sample rate conversion. (Mfr # LYN-A16SRC • B&H # LYAES16SRC).....CALL
- CBL-AES1604:** 6' 110-ohm shielded twisted pair cabling 26-pin high-density male D-sub to four female XLR's (AES inputs), four male XLR's (AES outputs), and two female BNC's (word clock I/O). (Mfr # CBL-AES1604 • B&H # LYCAES164)59.50

Fast Track USB

2x2 Mobile USB Audio Interface

If you make music with GarageBand or other software recording programs, Fast Track USB is the easiest way to record with professional results. USB powered, it has one input for instruments plus a microphone input for recording vocals or other acoustic sounds. Bundled GT Player Express software gives you killer effects and virtual stomp boxes so you don't need any other gear to sound great. GT Player Express also plays standard audio files like AAC, MP3 and WAV that let you learn and jam along with your favorite music at variable speeds.



- ◆ 24-bit/48kHz sound
- ◆ Dynamic microphone input (XLR) with gain control and signal LEDs
- ◆ Switchable instrument/line input (1/4")
- ◆ Stereo headphone output (1/8")
- ◆ Stereo output jacks (RCA)
- ◆ Level control for headphones and main outputs
- ◆ Direct hardware monitoring for synchronized overdubs
- ◆ Mono switch sends input signal equally to left and right channels

Fast Track USB - 1 Input / 2 Output USB Audio Interface with GT Player Express Software for Mac and Windows (Mfr# 9900-51948-00 • B&H# MAFTQ)**99.95**

Fast Track Pro 4x4 Mobile USB Audio/MIDI Interface



The Fast Track Pro features 2 front-panel mic/line inputs complete with phantom power, inserts for outboard effects, balanced and unbalanced analog outputs, S/PDIF digital I/O, MIDI I/O, and more. Fast Track Pro also features near-zero latency direct hardware monitoring and low-latency ASIO software monitoring, plus an A/B source switch and dual output pairs for DJ-style cueing. Compatible with most popular PC and Mac music software, comes with Ableton Live Lite music production software so you can make music right away

- ◆ Insert jack (1/4" TRS) for outboard processors
- ◆ 2 balanced outputs (1/4" TRS)
- ◆ 4 unbalanced outputs (RCA)
- ◆ S/PDIF digital I/O with w/ 2-channel PCM
- ◆ 1 x 1 MIDI I/O with activity LEDs
- ◆ S/PDIF out also supports pass-through of AC-3/DTS surround-encoded content
- ◆ 1/4" TRS headphone output with level control
- ◆ Input/playback mix control for hardware direct monitoring
- ◆ Mono switch for input/playback direct monitoring
- ◆ Master output level control
- ◆ Powered via USB or optional AC adapter
- ◆ Kensington lock port

Fast Track Pro - 4 Input / 4 Output Mobile USB Audio/MIDI Interface with Dual Microphone Preamps (I/O Variable According to Sample and Bit Rate) - Mac OS X and Windows XP (Mfr# 9900-51076-00 • B&H# MAFTP)**CALL**

Fast Track Ultra

High-Speed 8x8 USB 2.0 Interface with MX Core DSP Technology

Take mobile recording line to the next level with high-speed USB 2.0 connectivity, MX Core DSP mixer and four preamps with award-winning Octane technology. Featuring both analog and digital I/O, the Fast Track Ultra allows recording on all 8 channels simultaneously with pristine 24-bit/96kHz fidelity—while mature low-latency drivers ensure rock-solid stability and performance. The on-board MX Core DSP mixer processes eight hardware inputs and eight software returns to the eight hardware outputs, delivering flexible routing and monitoring with delay and reverb. Compatible with most audio software, Fast Track Ultra lets you record the way you want—in the studio or on the go.



Transit

Audio USB Interface

Small enough to fit in your pocket, Transit brings high-resolution 24-bit/96kHz recording and playback to any USB-compatible computer. Digital I/O lets you transfer pristine audio between computer and other devices. The digital output can deliver AC-3 and DTS from your computer to an external decoder such as a surround receiver. Bus-powered design allows you play and record virtually anywhere your laptop can go. Transit is your ticket to ride.



- ◆ Mobile 24-bit/96kHz USB audio upgrade
- ◆ Stereo analog/optical digital input (1/8")
- ◆ Stereo line/headphone output (1/8")
- ◆ TOSlink optical digital output allows AC-3 and DTS pass-through
- ◆ Accommodates self-powered stereo microphones
- ◆ Includes 3.5mm (male) to TOSlink (female) adapter
- ◆ Includes Maximum Audio Tools software bundle

Transit 2 -in/2-out Portable USB Recording Interface (Mfr# 9900-50904-00 • B&H# MAT2496USB)**78.95**

Mobile Pre

Audio / MIDI Interface

MobilePre USB is a preamp with a built-in audio interface designed for laptop recording such as field recording and sampling expeditions. In fact, it's one of the only completely bus-powered preamps available.



(Of course, you can use it on the desktop as well.) Three kinds of audio inputs and outputs provide maximum flexibility for any application. Zero-latency direct monitoring provides you with a streamlined professional recording experience.

- ◆ 2 x 2 16-bit/48kHz analog I/O
- ◆ 2 microphone inputs (XLR balanced) with 48v phantom power
- ◆ Stereo microphone input (1/8")
- ◆ 2 high-impedance instrument/line inputs (balanced/unbalanced 1/4" TRS)
- ◆ 2 mono line outputs (1/4" @ -10dBV)
- ◆ Stereo headphone output w/level control knob
- ◆ Stereo line output (1/8")
- ◆ Gain control knob for each input channel (+40 dB max)
- ◆ Zero-latency hardware direct monitoring (mono/stereo) with software level control
- ◆ USB-powered for total mobility
- ◆ Includes Ableton Live Lite 4 music production software, so you can start making music right out of the box.

MobilePre USB - 2 Channel USB Mic Preamp (Mfr# 9900-50764-00 • B&H# MAMP)**CALL**

Fast Track Ultra Features



Fast Track Ultra front



Fast Track Ultra back

- ◆ 24-bit/96kHz professional audio on all I/O simultaneously
- ◆ 4 preamps with M-Audio Octane technology:
- 4 XLR mic inputs including 2 XLR/TRS combo jacks for mic or instrument level inputs
- 20dB pad on each preamp
- signal/peak LED indicator lights
- phantom power
- ◆ 6 balanced line inputs and outputs
- ◆ 2 dedicated inserts on the first two channels
- ◆ S/PDIF digital I/O; built-in 1 x 1 MIDI interface
- ◆ Two independent headphone outputs with individual volume controls
- ◆ MX Core DSP technology allows digital effects processing with assignable parameters; flexible channel routing options; and expands DSP mixing interface to 16 x 8
- ◆ Full ASIO 2.0, WDM, MME, and Core Audio support
- ◆ Compatible with most major audio production software including all ASIO- and Core Audio-based applications.
- ◆ USB bus power enables analog channels 1/2, S/PDIF I/O, and one headphone output. Supplied power supply required for full 8 x 8 operation.

Fast Track Ultra - USB 2.0 Recording Interface • 8 Channels I/O • 4 Preamps • On-Board DSP • 24-Bit/96kHz • Mac OS X • Windows XP
(Mfr# 9900-52469-00 • B&H# MAFTU)**CALL**

Audiophile 2496 • Audiophile 192

4-in/4-out PCI Audio / MIDI Interfaces



The Audiophile 2496 features premium digital audio converters, elegant board design and ultra-stable drivers just like the rest of the Delta line, but with a simpler I/O configuration. It features Zero-Latency monitoring, MIDI and S/PDIF I/O, software-controlled 36-bit internal DSP digital mixing/routing and supports all computer platforms and major software programs, ensuring seamless integration and rock-solid performance. Stepping up, the Audiophile 192 features



high-definition 192kHz sampling rate, balanced analog I/O and an amazing signal-to-noise ratio.

- Audiophile 2496:** 24-Bit/96kHz 4-in/4-out PCI Audio/MIDI Interface for Mac and Windows (Mfr # 9900-50765-00 • B&H # MAA2496)CALL
- Audiophile 192:** 24-Bit/192kHz 4-in/4-out PCI Audio/MIDI Interface for Mac and Windows (Mfr # 9900-50768-00 • B&H # MAA192)CALL

Delta 44 • Delta 66

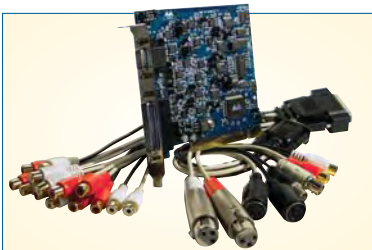
The Delta 44 and Delta 66 are professional PCI audio cards connected to an analog break-out box that provide four analog 1/4" TRS audio input /outputs that are compatible with balanced or unbalanced +4dB or -10dB signal levels. Also includes Delta Control Panel software, which allows you to control their comprehensive routing, monitoring, and mixing capabilities. In addition to superb sound quality and driver support, they provide 24-bit/96 kHz recording, zero latency monitoring, digital mixing, and controllable SCMS. Otherwise identical, the Delta 66 adds a S/PDIF digital I/O with SCMS copy protection control (coaxial).



- Delta 44:** 4-Input / 4-Output PCI Sound Card with Breakout Box for Mac and PC (Mfr # 9900-50757-00 • B&H # MAD44)CALL
- Delta 66:** 6-Input / 6-Output PCI Sound Card with Breakout Box for Mac and PC (Mfr # 9900-50757-00 • B&H # MAD44)CALL

Delta 1010 • Delta 1010LT

The rack-mount **Delta 1010** features superb engineering and ultra-high quality converters. Multiple inputs accommodate numerous tracks simultaneously, including zero-latency monitoring for seamless overdubs. Multiple outs route individual tracks or soft synth/ sampler timbres to a mixer or directly drive up to 7.1 surround sound systems. Analog outs remain live for monitoring while mixing or transferring digital signals via S/PDIF. Rounding it out is MIDI I/O and Word clock I/O for sample accurate device synchronization.



The **Delta 1010LT** delivers much of the same universal connectivity, high fidelity and seamless performance as the Delta 1010 on a compact, half-size PCI card with two color-coded breakout cables. Multiple analog I/O, MIDI, S/PDIF and surround sound support are all here. Two inputs even have mic/line preamps on XLR connectors, saving the expense of outboard preamps.

- Delta 1010LT:** 10-Input / 10-Output PCI Card for Mac and PC (Mfr # 9900-50752-00 • B&H # MAD1010LT)CALL
- Delta 1010:** 10-Input / 10-Output PCI Card with Breakout Box for Mac and PC (B&H # MAD1010LT)CALL

PROFIRE LIGHTBRIDGE

FireWire Lightpipe Interface

The ProFire Lightbridge interfaces up to four Lightpipe devices with a PC or Mac via FireWire—perfect for integrating digital mixers, A-D and D-A converters and/or ADATs with most popular DAW software. The unit is capable of 32 channels of Lightpipe I/O, two channels of S/PDIF I/O and two-channel analog output for a total of 34 x 36 concurrent channels

at 44.1 or 48kHz sample rates. (It also supports 16-channel Lightpipe operation at 88.2 and 96kHz sample rates via the S/MUX protocol.)

The ProFire Lightbridge can output word clock as a master, or slave to external sync on any input, and MIDI I/O also accommodates MIDI Time Code and MIDI Machine Control.

Independent volume controls are provided for the 1/4" balanced outputs and 1/4" headphone jack.



- ◆ 32-channel Lightpipe I/O at 44.1 or 48kHz
- ◆ 16-channel Lightpipe I/O at 88.2 or 96kHz using S/MUX
- ◆ S/PDIF I/O (via included breakout cable, coax)
- ◆ Two 1/4" TRS analog outputs with dedicated level control
- ◆ Up to 24-bit/96kHz operation
- ◆ FireWire connectivity to computer
- ◆ All analog and digital I/O active simultaneously (total of 34 x 36 concurrent channels at 44.1 or 48kHz; 18 x 20 at 88.2 or 96kHz)
- ◆ Indicators for sample rate, Lightpipe I/O, MIDI I/O, sync source and power
- ◆ Word clock I/O (via included breakout cable)
- ◆ MIDI I/O (via included breakout cable)
- ◆ 1/4" front-panel headphone out with dedicated level control
- ◆ Kensington lock slot
- ◆ Half-space rack chassis, optional mounting tray
- ◆ Compatible with most major DAWs

ProFire Lightbridge: 34 Input / 36 Output FireWire Lightpipe Interface for Mac and Windows (Mfr# 9900-51815-00 • B&H# MAPFLB)CALL

FIREWIRE SOLO

FireWire Audio Interface

The FireWire Solo is designed from the ground up as an easy-to-use, high-quality interface for songwriters to record guitars, vocals and more on the computer. Compatible with most popular music software, this compact bus-powered unit is small enough to go anywhere you want to take your music. In addition to the 1/4" guitar input right on the front panel, a professional XLR microphone input also lets you record vocals and acoustic instruments. There are also dual line inputs for effects, drum machines and other outboard gear. FireWire connectivity, up to 24-bit/96kHz sample rate support and digital I/O all add up to outstanding sonic performance. As simple to connect and operate as it is powerful, FireWire Solo is the foundation of your computer-based songwriting studio.



- ◆ High quality 24-bit/96kHz FireWire computer interface designed for songwriters to record with the minimum of complexity
- ◆ Microphone, guitar and line inputs
- ◆ S/PDIF digital I/O
- ◆ Dual FireWire ports with bus-power (+12vDC power supply included for use with 4-pin FireWire PCs)
- ◆ Bundled software provides flexible routing and mixing with near-zero latency monitoring
- ◆ ASIO 2, WDM, GSIF2, MME and Core Audio compatible
- ◆ Digital output also supports pass-through of AC-3/DTS surround-encoded content
- ◆ Rack-mountable metal chassis

FireWire Solo: 6 Input / 4 Output FireWire Interface for Mac and Windows (Mfr# 9900-50739-00 • B&H# MAFWS)CALL

FireWire 410

4-In/10-Out FireWire Mobile Recording Interface

The FireWire 410 is an audio/MIDI interface that has it all—power, flexibility, compact size and low price. 4-in/10-out configuration complete with preamps is perfect for personal recording, routing discrete outputs to a mixer, or directly driving a surround sound system.

The on-board ASIO 2-compliant mixer and software control panel provide total routing flexibility—including monitoring with external effects.

You also get ultra-low latency software monitoring and near-zero latency hardware

direct monitoring—and two headphone outs with independent level controls. FireWire 410 can be completely bus-powered for mobile operation (6-pin FireWire port required).



- ◆ 192kHz stereo out
- ◆ 2 x 8 24-bit/96kHz analog I/O (1/4" TS)
- ◆ Dual mic/instrument preamps (Neutriks XLR/1/4" TS). Global phantom power
- ◆ 66dB available preamp gain. S/PDIF digital I/O (coaxial/optical) w/ 2-channel PCM
- ◆ 1 x 1 MIDI I/O w/ bypass for stand-alone use
- ◆ Digital I/O supports surround-encoded AC-3 and DTS passthrough
- ◆ Low-latency software monitoring
- ◆ Direct hardware monitoring. 8 analog outs can directly drive up to 7.1 surround
- ◆ Software-controlled mixing and routing
- ◆ Powered via DC supply or FireWire bus (6-pin FireWire port required)
- ◆ 2 convenient high-speed FireWire ports
- ◆ Includes Ableton Live Lite 4 music production software

FireWire 410: 4-Input / 10-Output FireWire Recording Interface for Mac and Windows (Mfr # 9900-50730-00 • B&H # MAFW410).....**CALL**

FIREWIRE 1814

8-in/14-out FireWire Audio/MIDI Interface with ADAT Lightpipe

Complete with ADAT Lightpipe for multi-channel communication with other digital devices, the FireWire 18/14 features 8 x 4 analog I/O at up to 24-bit/96kHz, and boasts 192kHz on the first two

inputs and all four outputs. Channels 1 and 2 also include high-quality microphone/instrument preamps. S/PDIF optical digital I/O provides 2-channel PCM, as well as pass-through of surround-encoded AC-3 and DTS material. Flexible internal mixing allows input and output routing, including an aux bus for effects send or monitor mix.



- ◆ 8 x 24-bit/96kHz analog inputs (1/4" TS)
- ◆ 4 x 24-bit/96kHz analog outputs (1/4" TRS/TS)
- ◆ 2 x 4 24-bit/192kHz analog I/O capability
- ◆ 8 x 8 ADAT Lightpipe I/O
- ◆ Digital S/PDIF (coaxial) I/O w/ 2-channel PCM
- ◆ Dual mic/instrument preamps (Neutrik XLR/1/4" TS) with input level controls; 20dB pad; phantom power; signal LEDs
- ◆ User-assignable front-panel level control (output, input, software return, aux send)
- ◆ Two independently assignable headphone outputs with level controls (1/4" TRS)
- ◆ Flexible software-controlled mixing of hardware and software I/O
- ◆ Aux sends on all channels and aux output assign allows for dedicated headphone mixes and sends to external effects
- ◆ Near zero-latency hardware direct monitoring
- ◆ Low-latency ASIO software direct monitoring
- ◆ Momentary switch for A/B cueing two software-assignable headphone sources or switching ASIO monitoring on/off
- ◆ 1 x 1 MIDI I/O
- ◆ Wordclock (BNC) for sync to external devices
- ◆ Powered via FireWire bus (6-pin FireWire port required) or included DC power adapter
- ◆ Two high-bandwidth FireWire ports
- ◆ Includes Ableton Live Lite 4 music production software

FireWire 1814 18-Input / 14-Output FireWire Recording Interface for Mac and Windows (Mfr # 9900-50736-00 • B&H # MAFW1814).....**349.95**

FAST TRACK ULTRA 8R

High-Speed USB 8 x 8 Audio/MIDI Interface with 8 Preamps



The Fast Track Ultra 8R features USB 2.0 connectivity, MX Core DSP mixer, and eight preamps with award-winning Octane technology, built into a rugged 1U rack-mountable metal chassis. 24-bit/96kHz resolution throughout the recording and monitoring process allows you to take advantage of the exceptional fidelity on all of the inputs and outputs simultaneously.

- ◆ Provides eight channels of analog inputs and outputs plus 2-channel digital S/PDIF for even greater flexibility.
- ◆ Two dedicated analog inserts on the first two channels, allows you to insert outboard processing before A/D conversion.
- ◆ Compatible with most major audio software programs and seamlessly integrates into any studio setup.

Fast Track Ultra 8R 8x8 USB 2.0 Audio/MIDI Interface (Mfr # 9900-52570-00 • B&H # MAFTU8R).....**499.00**

Octane Preamp Technology

- ◆ The Fast Track Ultra 8R and the ProFire 2626 offer eight mic preamps, using M-Audio's Octane technology — enough channels for miking drum kits and complete ensembles.
- ◆ These professional low-noise, high-gain preamps feature +48V phantom power for condenser mics, signal/peak LED indicator lights and a pull-out gain knob that activates a 20dB pad for recording at high volumes.
- ◆ All eight inputs accept line-level signals, and two front-panel 1/4" instrument inputs are also provided.

MX Core DSP Technology

- ◆ The MX Core mixer employs an array of eight individual DSP cores to deliver near-zero latency, effects and a sophisticated routing matrix, accessible via an intuitive control panel that utilizes a separate mixer for each pair of outputs — all without burdening the computer.
- ◆ Apply reverb while tracking vocals to get more out of an artist's performance, and take advantage of two independent headphone outputs to create separate monitor mixes when recording multiple musicians.
- ◆ The mixer provides for up to a 16 x 8 configuration, allowing you to connect microphones, synths and other outboard gear to any of the interface's hardware inputs, then mix them with the eight audio streams coming from the computer without taxing the CPU.
- ◆ Reverb and delay is available on the headphone outputs with separate sends for every channel. Now you can inspire creativity by adding effects—without taxing your CPU resources.

PROFIRE 2626

High-Definition 26-in/26-out FireWire Audio/MIDI Interface



The ProFire 2626 delivers up to 24-bit/192kHz audio resolution, with onboard DSP mixing, and award-winning Octane preamp technology. The 26 inputs and are derived from the eight mic /line preamps, eight 1/4" TRS balanced line outputs, dual eight channel ADAT I/O ports and S/PDIF I/O. Input channels one and two are also available as Hi-Z instrument DIs. The onboard DSP mixer and router provides a flexible solution for comprehensive studio work in any environment. You can select from up to 52 audio streams and send them to any of the 26 hardware outputs.

- ◆ The eight onboard mic pres provide pristine audio fidelity with a generous 75dB gain range, 48V phantom power and a -20dB pad.
- ◆ Supports ASIO, Core and Pro Tools M-Powered software, delivering broader compatibility than any other product in its class.
- ◆ Customizable master volume knob can be assigned to any or all of the analog output pairs, providing a choice of which output pair will feed the main monitors. In addition, master level control can be assigned to all four output pairs to uniformly attenuate up to a 7.1 surround mix.

ProFire 2626 26x26 FireWire Audio/MIDI Interface (Mfr # 9900-52397-00 • B&H # MAPF2626).....**CALL**

ONYX SATELLITE

2-Piece Portable FireWire Recording System

An innovative approach to digital recording, the Onyx Satellite features a two-part audio interface designed to get the best out of computer recording in both live and studio environments. The heart of the Satellite System is the Satellite Pod, a sleek, portable two-channel FireWire interface that incorporates two of Mackie's acclaimed Onyx preamps, as well as 24-bit/96kHz A/D and D/A converters. Additional Satellite Pod features include dual headphone/control room outputs with individual level controls, two inputs, two outputs, and a rugged portable design.



- ◆ The Satellite Pod snaps into the Satellite Base Station to provide AC power, additional I/O, talkback and monitor switching functions. By plugging the Pod into the base station, the system becomes a two-input, six-output FireWire audio interface with professional features such as an advanced routing matrix, talkback microphone, advanced monitoring functions and surround speaker control.
- ◆ 8 inputs (2 active at any time) can be switched between mic, instrument or balanced line input sources.
- ◆ 6 line-level outputs
- ◆ 24-bit/96kHz capable sound quality
- ◆ 6-channel volume control allows for surround sound mixing
- ◆ Satellite Pod can be bus powered for field use, or externally powered, for added convenience
- ◆ Control room section provides for switching between two separate monitor outputs for multiple monitor speaker setups.
- ◆ Works with all ASIO and Core Audio compatible software. Comes bundled with a full version of Mackie's award-winning Traktion 2 software, providing a complete out-of-the-box recording setup with professional features like a 64-bit high-definition mix engine, unlimited track count, ReWire and VST support, MIDI controller mapping, external synchronization, and integrated support for Mackie control surfaces. Also includes a set of Mackie's Mixing and Mastering plug-ins.

ONYX Satellite - 2-Piece Portable FireWire Recording System for Mac and Windows (Mfr# ONYX SATELLITE • B&H# MAOSATELLITE) **184.95**

ONYX 400F

10-Channel FireWire Interface



The Onyx 400F is a 10-channel, 192kHz-capable FireWire audio interface that features flagship Mackie Onyx microphone preamps, as well as on-board DSP matrix mixing. The 400F's on-board DSP mixing matrix allows latency free headphone mixing and routing independent of

the DAW software. This is a particularly useful feature for those operating older DAW-based systems where processing power is limited. Front panel controls on the Onyx 400F include control-room output level, dual independent headphone outputs with dedicated level control, dual instrument inputs, and four-segment metering for the mic inputs. The rear panel includes four combo mic/line inputs, balanced TRS sends and returns for the first two mic inputs, four line inputs, eight line outputs, Control Room outputs, Word Clock I/O, MIDI I/O, SPDIF I/O and two FireWire ports. The 1U rackmount steel chassis features an extruded aluminum front panel with machined aluminum knobs. A black plastic accent strip is flushed mounted into the front panel to complete the look.

The Onyx 400F is bundled with a complete software package which includes Traktion, Mackie's audio recording and MIDI production software, as well as the Mackie Final Mix mastering toolkit.

ONYX 1200F

Studio Recording Preamp and 192kHz FireWire Interface

The Onyx 1200F is a massive 30 x 34 channel, 24-bit/ 192kHz-capable FireWire with 12 of Mackie's flagship Onyx preamps, on-board DSP



matrix mixing, advanced monitoring/headphone control section with four user-assignable headphone outputs, two stereo control room outputs, built-in talkback mic input, and remote switching capability.

Among the Onyx 1200F's most innovative features is an assignable patch bay with advanced DSP capabilities. The 1200F provides an extensive on-board mixing interface that allows the user to route to any desired monitoring path and phones outputs directly from the hardware inputs at near zero latency. This functionality also allows 1200F users to patch any hardware input, or mix any combination of hardware inputs, to any hardware output. Likewise, any software output can be patched to any hardware destination.

FEATURES

- ◆ Premium FireWire-based studio recording preamp/audio interface
- ◆ 4 flagship Onyx mic preamps with class-leading fidelity and dynamic range
- ◆ Superb AKM 24-bit/192kHz A/D and D/A converters
- ◆ Internal 64-bit floating point processing for superior sound and minimal CPU drain
- ◆ 10 x 10 DSP Matrix Mixer with powerful software interface and flexible, recallable routing
- ◆ Onboard DSP provides custom Control Room / Headphone mixes at near-zero latency
- ◆ Stand-alone operation: DSP mixer retains settings even when computer is not connected
- ◆ No channel count sacrifices, even at 192kHz sampling rate
- ◆ 4 additional balanced line inputs; 8 balanced line outputs
- ◆ TRS inserts on Inputs 1, 2, 3 and 4
- ◆ Control Room and Dual Headphone Outputs with independent level controls
- ◆ Dual FireWire ports for daisy chaining and direct connection to Mac or PC
- ◆ MIDI, Word Clock and S/PDIF I/O
- ◆ Includes Tracktion 2 Audio Production software and plug-in bundle



- ◆ Front panel controls include control-room output level with A/B monitor select, four discrete headphone outputs with level controls, two instrument inputs, and 4-segment metering for the mic/line input channels.
- ◆ The rear panel includes 12 combo mic/line inputs, balanced TRS sends and returns for the first two mic inputs, eight balanced line outputs, dual stereo control room outputs, Word Clock I/O, 2 x 2 MIDI I/O, dual ADAT I/O, SPDIF I/O, AES/EBU I/O, and two FireWire ports. Footswitch inputs are provided for monitor switching and talkback activation.
- ◆ The rugged, 2U rackmount steel chassis features an attractive extruded aluminum front panel with machined aluminum knobs. A black plastic lens is flushed mounted into the front panel and accommodates 12 channels of level meters.
- ◆ 12 flagship Onyx mic preamps with class-leading fidelity and dynamic range
- ◆ 8 balanced line outputs via 25-pin D-sub connector
- ◆ 16 x 16 ADAT I/O @ 48kHz (8x8 @ 96kHz, 4x4 @ 192kHz)
- ◆ 4 headphone outputs with volume control and discrete stereo feeds
- ◆ Superb AKM 24-bit/192kHz A/D and D/A converters
- ◆ Built-in control room functions include A/B Monitor Switching, Talkback, plus stereo and up to 7.1 surround output main volume control
- ◆ Balanced TRS send and return insert jacks on Inputs 1 and 2
- ◆ Dual FireWire ports for daisy chaining and direct connection to Mac or PC
- ◆ Stand-alone mixer functionality for field and studio use without computer
- ◆ Bundled with a complete software package which includes Tracktion 2, Mackie's audio recording and MIDI production software, as well as the Mackie Final Mix CD mastering toolkit. Provides a complete recording/mixing/mastering solution right out of the box.

Onyx 400F

10 Input / 10 Output 24-bit/ 192kHz FireWire Audio Interface with Tracktion Software for Mac and Windows
(Mfr# ONYX 400F • B&H# MAO400F).....CALL

Onyx 1200F: For Mac and Windows or Standalone (Mfr# ONYX 1200F • B&H# MAO1200F)Call

2408MK3

PCI-based Audio Workstation

A cost-effective solution for recording and editing digital audio without sacrificing the power and flexibility needed in today's project and commercial studio environments, the 2408MK3 has everything you need to turn your computer into a powerful 24-bit/96kHz digital audio workstation. The 2408MK3 provides 8 channels of pristine 96kHz analog recording and playback, combined with 24 channels of ADAT and Tascam digital I/O — the most ever offered in a single rack space audio interface. Connect up to four interfaces to the PCI-424 card and you have a system capable of 96 simultaneous active input and output connections at 96kHz. The 2408MK3 is ideal for both the computer-based studio with no mixing board and more elaborate studios built around a digital mixer of any size. For the computer-based studio, the bundled PCI-424 card also features CueMix DSP, a flexible DSP-driven mixing and monitoring matrix that eliminates the need for an external mixer or patch-bay. Connect all your studio gear, including synths, keyboards, and even effects processors. Then control it all from the desktop with no audible monitoring latency and no processor drain on your computer. With 24 channels of digital I/O, the 2408 is ideal for connecting your computer to a digital mixer. Both ADAT and TDIF digital connections are supported at up to 96kHz. And with built-in video and SMPTE synch, you can slave your entire workstation directly to video or SMPTE time code with sub-frame accuracy—without a dedicated synchronizer. The 2408mk3 is cross-platform compatible with Mac, Windows 98SE/Me/2K/XP and most audio software and host-based effects via WDM/ASIO/Sound Manager drivers. Or use the included AudioDesk workstation software for Mac, with 24-bit recording/editing and 32-bit mixing/processing/mastering.



Inputs/Outputs

- ◆ The rear panel of the 2408MK3 rack-mount interface provides eight 1/4" balanced TRS analog inputs and outputs, an extra pair of main analog outs (1/4" TRS), three banks of 8-channel ADAT optical "lightpipe", three banks of 8-channel Tascam TDIF, RCA S/PDIF (with an extra S/PDIF output), Audio Wire and BNC word clock I/O.
- ◆ The extra stereo output has front panel volume control so you can plug powered monitors directly into the 2408mk3.
- ◆ You can choose any three banks (up to 24 channels) to be active at one time. This means you can hook up three ADATs, three DA-88s, and eight analog devices all at the same time and access any three banks - in any combination of formats. And you can freely switch formats at any time.

Expansion Capability

- ◆ A core 2408mk3 system provides 24 inputs and outputs, but it also offers the most expansion ever offered in a single PCI card. Up to four interfaces can be connected to the PCI-424 for up to 96 channels of simultaneous input and output at sample rates up to 96kHz. Think about the possibilities: you could connect twelve 8-channel ADAT or TDIF compatible devices including multi-channel mic preamps, digital mixers, and A-to-D converters to your computer, along with 32 channels of analog I/O, and simultaneously record and play as many tracks of audio as your computer allows.
- ◆ All four audio formats (analog, optical, TDIF and S/PDIF) support operation at 44.1, 48, 88.2 or 96 kHz. Each 2408mk3 provides up to 24 channels of simultaneous I/O at 44.1 or 48kHz or up to 12 channels — three 4-channel banks— of digital I/O at 88.2 or 96kHz.

2408mk3 - 24 Input / 26 Output Digital Expansion Interface for MOTU Hard Drive Recording Systems (Mfr# 2408MK3E • B&H# MA2408MK3E).....**639.95**
2408mk3 (PCIe) - 24 Input / 26 Output Hard Disc Recording System with PCIe Card for Mac and Windows (Mfr# 9000 • B&H# MA2408PCIE)**CALL**

2408MK3

S/PDIF Input/Output

- ◆ The 2408MK3 provides S/PDIF digital I/O so you can exchange digital audio with a wide variety of other devices. But the 2408MK3 takes S/PDIF one step further than other systems by providing an extra S/PDIF stereo output of the main mix. You can use this extra stereo digital output for whatever you want. For example, you can leave it connected to a DAT machine so that at any time you can record a stereo mix of the project you are working on - without having to swap cables with another S/PDIF device that may be connected.

SMPTE & Word Clock

- ◆ The 2408MK3 is the first audio interface to provide on-board video and SMPTE time code synchronization features. This allows you to slave your 2408MK3 system to video, SMPTE time code or both - without a dedicated synchronizer. The PCI-424 card provides a DSP-driven phase-lock engine with sophisticated filtering that provides fast lockup times and sub-frame accuracy.
- ◆ S/PDIF jacks (RCA) on the rear panel can be switched via software to become a dedicated SMPTE LTC timecode I/O. However, because the 2408mk3's sync features are driven by the PCI-424's DSP, any analog input can be chosen for SMPTE input, and any active channel, digital or analog, can be chosen as a SMPTE time code output.
- ◆ Supplied software also provides a complete set of tools to generate SMPTE for striping, regenerating or slaving other devices to the computer. Synchronization features are cross-platform and compatible with all audio sequencer software.

Legacy I/O Support

- ◆ Users who already own a 2408MKII or other PCI-based MOTU recording system can connect their legacy MOTU hardware to the PCI-424 card of a 2408MK3 system.
- ◆ All legacy PCI-based MOTU interfaces are supported, including the original 2408, 2408MKII, 1296, 1224, 24I and 308. Users can mix and match legacy interfaces with the new 2408MK3 as they please.
- ◆ Legacy interfaces can also take full advantage of the PCI-424's CueMix DSP near zero latency monitoring.

PCI-424 Card & Cuemix DSP

For the computer-based studio, the PCI-424 card features CueMix DSP, a flexible DSP-driven mixing and monitoring matrix that provides the same near-zero monitoring latency as today's latest digital mixers. CueMix DSP allows you to connect keyboards, synth modules, drum machines, and even effects processors and then monitor these live inputs with no audible delay and no processor drain on the host CPU.



The CueMix DSP engine resides on the PCI-424 card, so it works across all interfaces connected to the card. The CueMix Console software provides an on-screen mixer that gives users hands-on control of their monitor mix, regardless of what audio software they prefer to use. Digital Performer users have the additional option of controlling CueMix DSP directly within DP's mixing environment.

- ◆ The PCI-424 is expandable to 96 active inputs/outputs. It supports sample rates up to 192kHz and provides DSP-driven monitor mixing across 96 inputs @96kHz with zero host buffer latency.
- ◆ PCI-424 resolves directly to SMPTE time code via any available analog input with sub-frame accuracy. No separate SMPTE synchronizer required. Also provides word clock and ADAT Sync to achieve sample-accurate digital transfers between digital recorders and the computer.
- ◆ Cuemix DSP allows you to mix multiple channels into multiple mix busses or directly assigned outputs. Manage your monitor mix with the Cuemix Console.
- ◆ Cuemix Console provides independent level and pan controls for each input on every mix. And with CuemixDSP you aren't limited to four stereo mixes. You can configure a unique mix for every physical stereo output you have available. This means you can have up to 48 separate stereo mixes on a 96 output system.

Additional Features

- ◆ Includes a setup wizard for both Mac and PC based systems that will have you up and running in minutes. The Setup wizard is an interactive, stand-alone director movie that helps you connect everything together. It even configures the 2408MK3 driver for you when you're done!
- ◆ Switchable input levels (+4/ -10dB) for each analog input pair via software.
- ◆ 2408MK3 connects to the PCI-424 card (installs in the computer), via 6-pin IEEE 1394 cable. The PCI-424 supports cable lengths of up to 50 feet. Long cable runs are often necessary in studios where the computer is housed in a separate room than the rack-mounted 2408MK3 audio interface.
- ◆ Dedicated front-panel five-segment level meters for every analog input and output.
- ◆ Separate front-panel volume knobs provide independent volume control for the front-panel headphone jack and the rear-panel main outputs.
- ◆ Across-the-board software compatibility — the 2408MK3 ships with a complete set of drivers for Windows 98SE/Me/2K/XP and Macintosh and is compatible with virtually all audio software on both platforms.
- ◆ Core 2408MK3 system all includes AudioDesk, MOTU's sample-accurate workstation software for Macintosh with 24-bit recording/editing and 32-bit automated mixing, processing and mastering.

24 I/O

PCI Audio Interface

The 24I/O is a single rack-space 96kHz audio interface for Macintosh and Windows systems that fulfills the promise of host-based hard disk recording: to record, edit, mix process, and master multitrack recording projects entirely inside your computer. It provides 24 balanced 1/4" (TRS) 96kHz analog inputs and outputs in a single rack-space enclosure, allowing you to connect and record from 24 simultaneous analog sources. Like the 2408MK3, a 24i/o core system includes MOTU's next generation PCI-424 card, which provides expansion up to 96 inputs/outputs, DSP-driven mixing and monitoring, legacy I/O support, on-board SMPTE synchronization and Audiodesk workstation software for Macintosh. The 24I/O rack interface which is also available separately as an expansion I/O for 24i/o or 2408mk3 systems provides 5-segment front-panel meters for every input and output and software-switchable (-10/+4) analog input levels.



Metering

- ◆ The 24I/O's front panel is essentially a dedicated meter bridge for your hard disk recording system. Audio activity for every input and output is represented by its own five-segment LED bar graph.

Front Panel Power Switch

- ◆ Useful in the unlikely event you wish to turn off your 24I/O. An interesting fact about MOTU Audio interfaces is that they are hot swappable. This means you can power off, plug-in, add and remove interfaces without turning your computer off or restarting. In fact, if you already have a 2408MK3 or other PCI-424 system, adding a 24I/O is as easy as plugging in an AudioWire cable.

24-bit analog TRS I/O

- ◆ The 24 analog inputs and outputs are professional-grade 1/4" TRS (balanced/unbalanced) connectors operating at either -10dB or +4dB. The input level can be switched via software in banks of eight inputs. In addition, CumixDSP provides continuously variable input trim with up to 12dB boost per channel.

Word Clock I/O

- ◆ The 24I/O audio interface provides industry standard word clock sync on a single BNC connector that can be programmed for input or output via software. When operating as a word clock input, the word connector allows the 24I/O to synchronize smoothly with today's digital audio studio. When operating as a word clock output, the word connector can be used as a master clock to drive other digital devices in your studio, such as a digital mixer.

AudioWire

- ◆ Uses the second generation AudioWire introduced with the 2408MK3. It is a high-bandwidth digital audio format capable of carrying up to 24 channels of 96 kHz digital audio in and out of the computer at the same time. AudioWire can readily handle the 24 simultaneous inputs and outputs of the 24I/O audio interface.

Power Supply

- ◆ Comes with an internal power supply and standard detachable IEC power cable. No wall warts or line lumps.

24 I/O (PCIe) - 24 Input / 24 Output Hard Disc Recording System with PCIe Card for Mac and Windows (Mfr# 8800 • B&H# MA24IOPCIE).....**CALL**

HD192

High-Definition 192kHz Audio Interface for Mac and PC

Designed for those who demand the very best audio quality available, the HD192 is equipped with the latest generation 24-bit, enhanced multi-bit 128x oversampling 192kHz converters to achieve a remarkable A-weighted signal-to-noise ratio of 120 dB with balanced XLR connectors throughout. Ideal for surround applications, the HD192's 12 inputs and 12 outputs can support two simultaneous 5.1 mixes. And the HD192 is full of advanced features, like AES/EBU I/O with sample rate conversion both in and out. The PCI-424 card introduced with the 2408mk3 is 192-kHz ready. Just connect the HD192 expansion interface to record 192-kHz audio. The HD192 can be purchased as an expander for an existing PCI-424-based MOTU Audio System, or as a core system which includes the PCI-424 card and Audiodesk workstation software.



Highest-Quality A/D Converters

- ◆ The most important link in the digital recording chain is the A/D converter. It is the critical component that converts your analog input signal into digital information. The higher the quality of the A/D converter, the better your recordings will sound. The 192kHz converters in the HD192 are the same ones used in more expensive HD systems. With 120dB A-weighted dynamic range and a THD+N of 0.0005%, the HD192 is simply the best sounding front end you can buy for your digital audio workstation.

Comprehensive Metering

- ◆ The HD192's front panel provides dedicated 19-segment level meters for all 12 inputs and outputs. Two over meters are included, a temporary over meter and an over/hold meter that is resettable via software. Comprehensive clock status LEDs are also included so you can see at a glance the current sampling rate and clock source.

Front Panel Power Switch

- ◆ Useful in the unlikely event you wish to turn off your HD192. An interesting fact about MOTU Audio interfaces is that they are hot swappable. This means you can power off, plug-in, add and remove interfaces without turning your computer off or restarting.

Inputs/Outputs

- ◆ All 12 XLR inputs and outputs on the HD192 rear panel support operation at 44.1, 48, 88.2, 96, 176.4 and 192 kHz and use professional-grade XLR connectors operating at +4 dB.

AES/EBU

- ◆ The HD192 features stereo AES/EBU digital I/O with built in sample rate conversion. This gives you the ability to integrate external digital audio sources, no matter what the sample rate, while recording audio at higher sample rates on the analog I/O of the HD192. For example, you can still take advantage of the 96-kHz digital I/O on your favorite outboard reverb, while recording audio at 192-kHz.

Word Clock I/O

- ◆ An industry-standard word clock input and output allow the HD192 to synchronize smoothly with today's digital audio studio. The word clock output can be used as a master clock to drive other digital devices in your studio, such as a digital mixer. The AES digital I/O can be driven separately via a dedicated word clock input. You can even slave to a 48kHz clock source, even when the HD192 is operating at 192-kHz.

Audio Wire

- ◆ The HD192 uses the same second generation Audio Wire as the 2408MK3. It is a high-bandwidth digital audio format capable of carrying up to 24 channels of 96-kHz or 12 channels of 192-kHz digital audio in and out of the computer at the same time.

Power Supply

- ◆ Like all MOTU hardware products, the HD192 comes with an internal power supply and standard detachable IEC power cable. No wall warts or line lumps.

HD192 - 12 Input / 12 Output High Resolution Expansion Interface for MOTU Hard Drive Recording Systems (B&H# MAHD192E) **1514.95**

(212) 444-6601 • 1-800-947-9901 • Quick Dial 91



ULTRALITE

Half-Rack, Bus-Powered FireWire Audio Interface

The UltraLite is a half rackspace, bus-powered FireWire audio interface that turns a laptop or desktop Power Mac, Intel Mac or PC into a mobile 24-bit, 96kHz recording studio with 10 inputs and 14 outputs. Housed in sturdy yet lightweight aluminum alloy, the UltraLite provides 2 mic/instrument inputs with preamps, 48v phantom power, unique three-way pad switch and front-panel Digital Precision Trim knobs that provide 24dB of gain in 1dB increments for a total gain range of 60dB. The UltraLite also provides on-board SMPTE time code synchronization features, which allow users to slave their UltraLite system to SMPTE time code (via any analog input) without a synchronizer. The UltraLite can also generate time code and send it to any analog output. These sync features are provided by a DSP-driven phase-lock engine with sophisticated filtering that provides fast lockup times and sub-frame accuracy. MIDI performance is sample-accurate with supporting software. Connect microphones, guitars, synths, keyboards, drum machines and even effects processors, and then use the UltraLite's built in 8-bus mixer to monitor all of these live inputs via the UltraLite's main outs, headphone jack or any other output — with virtually no monitoring latency and no processor drain on the computer.



FEATURES

Inputs/Outputs

- ◆ 10 inputs with 2 mic preamps and 14 outputs including separate mains.
- ◆ Six 24-bit 96kHz analog inputs and eight outputs on balanced/unbalanced 1/4" TRS jacks.
- ◆ Separate TRS main outs and front-panel headphone jack, each with independent volume control.
- ◆ Stereo 24-bit 96kHz S/PDIF in/out
- ◆ Two mic pre-amps with switchable 48v phantom power (mix/match condenser and dynamic mics) and front-panel trim controls.
- ◆ Three-way pad switch (0, 18, 36dB) plus 24dB of adjustable trim (in 1dB increments) provides 60dB gain range.
- ◆ 18dB of extra gain for the six TRS inputs.
- ◆ Discrete ins/outs - there's no channel sharing in the UltraLite; the analog I/O, mic inputs, S/PDIF I/O, headphone out and main outs are all handled as separate channels.
- ◆ Two FireWire ports - daisy-chain up to four units on a single FireWire bus without a hub.



Operation

- ◆ Front-panel control - access your entire mix, or any UltraLite setting, directly from the front panel.
- ◆ Plug-and-play operation with your Mac or PC via FireWire.
- ◆ Front panel backlit LCD metering for all audio inputs and outputs.
- ◆ Multiple CueMix DSP mixes - create different monitor mixes for the main outs and headphones. Add send/return loops for outboard gear with no latency.
- ◆ CueMix DSP near-zero monitoring system.
- ◆ Sample-accurate MIDI - connect a MIDI controller and/or sound module with no separate interface needed. MIDI I/O is sample-accurate with supporting software.
- ◆ SMPTE sync and striping via any analog input/output.
- ◆ Includes drivers for Mac & PC, including ASIO, WDM, Wave, GSIF, Core Audio, and Core MIDI. Supports all popular Macintosh and PC audio software.
- ◆ 100% compatible with all host-based effects processing in today's popular audio programs.

General

- ◆ Compact, sturdy, lightweight construction (8.5" x 7" WxD), ready to travel anywhere. Easily fits in napsack, briefcase or computer bag. Sits perfectly beside any laptop.
- ◆ Bus powered, no additional power supply necessary for complete recording freedom. Includes power supply for stand-alone operation (without a computer).
- ◆ Just plug in any DC power adapter (10-24v, tip positive or negative).
- ◆ Add additional UltraLite, 828MKII, 896, 896HD or Traveler for additional I/O.
- ◆ Bundled with sample-accurate AudioDesk workstation software for Mac with 24-bit recording, editing, mixing, real-time 32-bit effects processing & sample-accurate sync.
- ◆ Compatible with Mac OS X 10.3 or higher (including the new Intel Macs), Windows XP and any audio software that supports standard WDM/ASIO/Core Audio drivers.

UltraLight - for Mac OS X and Windows XP
(Mfr # 8400 • B&H # MAUL).....**549.00**

UltraLight and Digital Performer 5 for Mac OS X
(B&H # MAULK).....**849.00**

8PRE

16x12 FireWire Audio Interface

The 8pre is a 1RU FireWire audio interface that turns a laptop or desktop Mac or PC into a 24-bit, 96kHz recording studio with eight mic inputs, 8-channel ADAT optical digital I/O and MIDI I/O. When not connected to a computer, the 8pre can also function as an 8-channel A/D converter, making it two products in one. Designed for convenient desktop or rack-mount operation, 8pre provides a variety of controls and status LEDs on the front panel for easy access and connectors on the rear panel for efficient studio installation. Use the included CueMix software to mix all 16 inputs from your computer. Eight channels of ADAT optical I/O make the 8pre an ideal companion for a digital mixer. Two ADAT lightpipe connections work together to support a full 8 channels of optical digital I/O at any sample rate up to 96kHz.



FEATURES

Inputs/Outputs

- ◆ 16 inputs with 8 mic preamps and 12 outputs including separate phone and main outs for a powerful desktop studio.
- ◆ Eight 24-bit/96kHz analog inputs equipped with TRS/XLR combo jacks accept either a low-impedance XLR or high-impedance 1/4" TRS input. Each input has switchable 48v phantom power (to mix and match condenser and dynamic mics), 20dB pad and a trim knob that provides up to 40dB of gain.
- ◆ Two balanced/unbalanced 1/4" TRS 24-bit/96kHz analog main outs and front-panel headphone jack, each with independent volume control.
- ◆ Eight channels of ADAT optical I/O - provides two sets of optical connectors to provide eight channels of optical digital I/O even at high samples rates (88.2 or 96 kHz).
- ◆ Simply plug in your FireWire cable, and both MIDI and audio are ready to go. Connect a MIDI controller and/or sound module with no separate interface needed. Timing is sample-accurate with supporting software.
- ◆ No channel sharing in the 8pre; the mic inputs, ADAT optical I/O, headphone out and main outs are all handled as separate channels.
- ◆ Daisy-chain up to four units on a single FireWire bus without a hub.

Operation

- ◆ When the 8pre isn't connected to a computer via a Firewire, the front panel "Mode" LED changes from "Interface" to "Converter". In this mode, the 8pre acts as an 8-channel analog-to-digital converter that can add 8 mic inputs to another ADAT optical-equipped audio interface, digital mixer or other device.
- ◆ 5-segment LED meters for the analog inputs, in addition to phone and main out volume. Other status LEDs indicate clock source and other settings.

Timecode

- ◆ Slave the 8pre to SMPTE time code without a synchronizer via any analog input. The 8pre also generates time code, which can be sent to any analog output. The 8pre provides a DSP-driven phase-lock engine with sophisticated filtering that provides fast lockup times and sub-frame accuracy.
- ◆ Included SMPTE Console software provides a complete set of tools to generate SMPTE for stripping, regenerating or slaving other devices to the computer. These sync features are cross-platform and compatible with all audio sequencer software that supports the ASIO2 sample-accurate sync protocol.

CueMix DSP

- ◆ Connect mics, guitars, synths, keyboards and drum machines, and then use the 8pre's built in 8-bus mixer to monitor all of these live inputs via the 8pre's main outs, headphone jack or any optical output pair — with virtually no monitoring latency and no processor drain on the computer. Users can even create up to four separate (stereo) monitor mixes for the main outs, headphones and optical outputs. Everything, including talk-back and listen-back, can be controlled from the included CueMix Console software, just like a conventional mixer.

Additional Features

- ◆ Includes drivers for Mac & PC, including ASIO, WDM, Wave, GSIF, Core Audio, and Core MIDI. Supports all popular Macintosh and PC audio software.
- ◆ 100% compatible with all host-based effects processing in today's popular audio programs.
- ◆ Includes AudioDesk full-featured sample-accurate workstation software for Mac with recording, editing, mixing, real-time 32-bit effects processing & sample-accurate sync.

8pre: FireWire Audio Interface/Converter for Mac and Windows (Mfr # 8500 • B&H # MA8PRE)CALL
8pre with Digital Performer for Mac (B&H # MA8PREK)CALL

828MK3

FireWire Audio Interface with Digital Mixing and Effects

The 828mk3 is a 24-bit 192kHz capable FireWire audio interface that provides 28 inputs and 30 outputs in a single rackspace. All I/O is routed to an on-board 16-bus digital mixer driven by hardware-based DSP with 32-bit floating point precision. The mixer allows you to apply no-latency effects processing to inputs, outputs or busses directly in the 828mk3 hardware, independent of the computer. The built in effects include reverb, compression/limiting, and parametric EQ and they can even be applied when the 828mk3 is operating standalone (without a computer) as a complete rackmounted mixer. You can apply EQ and compression on every input and output (a total of 58 channels), with enough DSP resources for at least one band of parametric EQ and compression on every channel at 48 kHz. Input signals to the computer can be recorded wet, dry, or dry with a wet monitor mix (for musicians during recording, for example). The included AudioDesk software gives you all the advanced features needed to record, edit, mix, and master an audio project in your Mac.



FEATURES

- ◆ 24-bit/192kHz A-D and D-A converters.
- ◆ Eight 1/4" TRS analog inputs and outputs. Input levels can be switched between +4/-10 for each input via software. Two front panel mic / instrument DI inputs using 1/4" / XLR combo Neutrik connectors. The mic pre-amps provide plenty of gain and phantom power and variable trim. Analog input trims are digitally controlled on all inputs.
- ◆ The mic/guitar inputs features V-Limit, a hardware limiter that helps prevent digital clipping from overloaded input signals.
- ◆ Dual 1/4" Sends allow you to insert a compressor or effects processor into the two front panel input channels.
- ◆ Dedicated balanced XLR main outputs connect directly to your monitor system.
- ◆ Front panel 1/4" headphone jack
- ◆ A dual function knob on the front panel provides separate volume control over main outputs and headphones.
- ◆ Sixteen channels of 24-bit digital I/O via two ADAT lightpipe interfaces (8 channels at 96kHz), switchable to stereo optical S/PDIF. Stereo 24-bit / 96kHz coaxial S/PDIF I/O
- ◆ Front panel meters are provided for all I/O, plus SMPTE sync tach and lock LEDs.
- ◆ Dual FireWire ports – one to connect the 828MK3 to your computer and a second port to daisy-chain additional devices.

CueMix FX – Digital Mixer with Effects



- ◆ CueMix FX is a control software front-end for Mac OS X, Windows XP and Vista, with attractive graphic mixing and editing, and a convenient tabbed interface for quick access to all features in one window. Simply click a "Focus" button on any channel or bus to graphically edit the built in parametric EQ, compression and other effects.
- ◆ Operates side by side with any host audio software, and it can be controlled from the Mackie Control Universal Pro worksurface.
- ◆ The **Classic Reverb** provides up to 60 secs. of reverb time, with 5 different room types, and flexible EQ filtering.
- ◆ Two forms of compression are supplied: a standard compressor with threshold, ratio, attack, release and gain, and the vintage sounding **Leveler**, an accurate model of the legendary LA-2A optical compressor.
- ◆ The **7-band parametric EQ** is modeled after British analog console EQ's, featuring 4 filter styles (gain/Q profiles). LP and HP filters are also supplied with slopes that range from 6 to 36 dB.
- ◆ Each channel displays a graphic thumbnail of EQ curves, compressor settings and other channel specific parameters. There is also a section for talkback and listenback.
- ◆ MIDI I/O is provided for accessing a control surface or synth. Word clock input and output (BNC) provides synchronization with a wide variety of digital devices or a centralized word clock source.
- ◆ The backlit LCD display provides an intuitive interface to configure your entire system. It even allows you to use the 828mk3 as a standalone mixer.
- ◆ Drivers for Mac OS X and Windows (XP and Vista) for compatibility with virtually all audio software via WDM/ASIO/Core Audio.
- ◆ 1/4" SMPTE time code I/O allow you to slave to and generate SMPTE time code without a dedicated synchronizer. A DSP-driven phase-lock engine with sophisticated filtering provides fast lockup times and sub-frame accuracy.

828MK3 FireWire Interface for Mac and PC (Mfr# 4360 B&H# MA828MK3)**749.95**

896MK3

24-bit / 192kHz FireWire Audio Interface

The 896mk3 is a cross-platform FireWire audio interface with on-board effects and mixing. Features include eight XLR/TRS "combo" style analog inputs with high-quality Mic/Line preamps, true hi-Z guitar inputs, a total of 28 inputs and 32 outputs, 192 kHz analog operation, signal overload protection, a 32-bit floating point DSP for digital mixing and effects processing, two banks of configurable optical I/O and much more. The 896mk3 allows you to connect a wide variety of studio gear, including microphones, guitars, synths, keyboards, drum machines and even effects processors. In addition to the eight mic/guitar preamp inputs, the 896mk3 provides two independent headphone jacks with independent volume knobs, one of which also controls the XLR main outs on the rear panel. This "master vol" knob can also be programmed to control any combination of outputs (analog and/or digital). For example, it can control monitor output for an entire 5.1 or 7.1 surround mix.



FEATURES

- ◆ CueMix FX provides a flexible 28 input/16 bus mixer with on-board DSP effects, including reverb with sends/returns, plus EQ and compression on every input and output.
- ◆ All analog I/O can operate at sample rates up to 192 kHz (a total of eight 'combo' Mic/Line analog inputs and ten XLR outputs, including two monitor outputs).
- ◆ Two optical banks provide 16 channels of ADAT optical at 48 kHz, 8 channels of S/MUX optical I/O at 96 kHz or two banks of stereo TosLink at rates up to 96 kHz.
- ◆ AES/EBU (XLR) and RCA S/PDIF connectors offer independent sets of stereo digital I/O.
- ◆ Two FireWire allow you to expand your system with additional MOTU FireWire audio interfaces or other devices.
- ◆ Two 1/4" stereo headphone outputs — one mirrors the XLR main outs, while the other operates as an independent stereo pair.
- ◆ Stand alone operation - program your mixes at the studio and then bring the 896mk3 to your gig. Tweak the mix on site using the back-lit LCD and front-panel controls.

Mic/Line Inputs

- ◆ Each of the eight rear panel mic/guitar combo jacks features an individual trim knob, 20 dB pad switch and 48V phantom power switch is supplied on the front panel.
- ◆ All eight inputs are equipped V-Limit, a hardware limiter that helps prevent digital clipping from overloaded input signals. With V-Limit enabled, signals can go as high as +12 dB above zero with no digital clipping. Additional protection can be applied by enabling the Soft Clip feature, which engages just before clipping occurs and helps reduce perceptible distortion.

Comprehensive Metering

- ◆ 10-segment ladder LEDs are provided for every input and output. One eight-channel meter bank is dedicated to the eight analog inputs. Another eight-channel meter bank can display any input or output bank, which the user can quickly select with a convenient front-panel rotary encoder. Dedicated main out meters are also provided.

Synchronization

- ◆ The 896mk3 employs Direct Digital Synthesis (DDS), a DSP-driven phase lock engine and internal clock source that produces imperceptibly low jitter characteristics (below the noise floor), even when the 896mk3 is resolved to an external clock source via either word clock or SMPTE time code.
- ◆ You can slave directly to SMPTE time code, without a dedicated synchronizer, via one of the 896mk3's analog input jacks. A DSP-driven phase-lock engine with sophisticated filtering provides fast lockup times and sub-frame accuracy.

Drivers and AudioDesk

- ◆ CueMix FX and drivers for Mac (OS X) and Windows (XP and Vista) for cross-platform compatibility with virtually all audio software via WDM/ASIO/Core Audio drivers. The included AudioDesk workstation software for Mac provides 24-bit recording/editing and 32-bit mixing/processing/mastering.

896mk3 (Mfr# 4460 B&H# MA896MK3).....1024.95

TRAVELER

Portable FireWire Interface

The Traveler is everything you need to turn your computer into a mobile 24-bit, 192kHz digital audio workstation. Powered by your computer's FireWire bus, the Traveler gives you a complete, battery-operated studio wherever your recording projects take you.

The Traveler provides eight channels of pristine 192kHz analog recording and playback, combined with all of the digital I/O you need: ADAT optical, AES/EBU and S/PDIF (TOSLink and RCA). You can even expand the system by connecting additional Traveler, 828mk3 or 896mk3 FireWire audio interfaces.



FEATURES

- ◆ Sturdy lightweight construction—ready to travel with you anywhere.
- ◆ Compact size (14.75 x 9"—fits easily into a napsack, briefcase or computer bag and sits perfectly under any laptop.
- ◆ Powered by computer or battery—no additional power supply necessary for complete recording freedom.
- ◆ 20 channels with 4 mic inputs—all the I/O you need.
- ◆ Four mic pre-amps with switchable 48-volt phantom power, front-panel Digital Precision Trim controls and pre-amplified sends.
- ◆ Individual 48V phantom power—mix and match microphones.
- ◆ Record at sample rates up to 192kHz.
- ◆ 20 inputs / 22 outputs—there's no channel sharing in the Traveler; the mic inputs, S/PDIF I/O, AES/EBU I/O, and headphone out are all handled as simultaneously active, independent channels.
- ◆ Eight 24-bit 192kHz outputs on balanced/unbalanced 1/4" TRS jacks
- ◆ Four 24-bit 192kHz inputs on balanced/unbalanced 1/4" TRS jacks
- ◆ Separate headphone jack, with independent volume control.
- ◆ Stereo 24-bit 96kHz S/PDIF in/out
- ◆ Word clock in and out
- ◆ Built-in SMPTE time code sync
- ◆ Digital Precision Trim™—adjust preamp gain in 1dB increments; save and recall multiple trim setups.
- ◆ CueMix DSP provides latency-free monitoring system.
- ◆ Front-panel control—access your entire mix, or any Traveler setting, directly from the front panel.
- ◆ Multiple CueMix DSP mixes—create different monitor mixes for the main outs and headphones. Add send/return loops for outboard gear—with no latency.
- ◆ 8 channels of 24-bit ADAT optical input/output. Eight channels at 44.1/48kHz. Four channels at 88.2/96kHz.
- ◆ Sample-accurate digital transfers between ADAT digital tape decks and the computer via the ADAT sync port.
- ◆ Sample-accurate MIDI—connect a MIDI controller and/or sound module with no separate interface needed. MIDI I/O is sample-accurate with supporting software.
- ◆ Two FireWire ports for daisy-chaining with-out a hub
- ◆ Expandable—add additional 828mkII, 828mk3, 896mk3 or Traveler FireWire interfaces for additional I/O.
- ◆ Front panel meters for all analog, digital and MIDI I/O, plus SMPTE sync tach and lock LEDs.
- ◆ Dedicated front panel clock status LEDs.
- ◆ Includes drivers for Mac & PC, including ASIO, WDM, Wave, GSIF, Core Audio, and Core MIDI. Supports all popular Macintosh and Windows audio software.
- ◆ 100% compatible with all host-based effects processing in today's popular audio programs.
- ◆ Stand-alone operation—program your mixes at the studio and then bring the Traveler to your gig—no computer needed. Just plug in any DC power adapter (10-24 volts, tip positive or negative). Need to tweak the mix? Do it on site using the back-lit LCD and front-panel controls.
- ◆ Includes AudioDesk full-featured sample-accurate workstation software for the Macintosh with recording, editing, mixing, real-time 32-bit effects processing & sample-accurate sync.

Traveler - 20-Input / 22-Output Portable FireWire Interface for Mac and Windows (Mfr# 8250 • B&H# MATRAVELER)**849.95**

INSPIRE 1394

4x4 Digitally Controlled FireWire Interface

A software controlled FireWire interface, INSPIRE 1394 features four analog inputs and two analog outputs at 24-bit/96k. Inputs include two custom-designed PreSonus mic preamps with +48v phantom power and two instrument Hi-Z inputs on the front panel. There are also two unbalanced RCA inputs on the rear panel that can be configured as dual mono or stereo line level or phono (with RIAA filter). Outputs include RCA unbalanced and mini TRS



on the rear panel as well as headphone output on the front panel. INSPIRE 1394 is completely controlled by an easy-to-use software mixer control panel. Controls include, input gain, phantom power, limiter (off/on), preamp boost (off/on), sample rate, headphone volume, main output volume as well as zero latency input mixing with playback mixing.



- ◆ Four simultaneous input channels
- ◆ Two microphone/instrument preamplifiers
- ◆ Two FireWire connectors enable daisy-chaining of up to four INSPIRE 1394's together for up to 16 simultaneous inputs at 24-bit/96k recording rate.
- ◆ Switchable line input or phono input (with RIAA filter)
- ◆ Compatible with all ASIO, WDM and Core Audio applications including Cubase, Nuendo, Sonar, Garage Band, Logic Express, Logic Pro and many others.
- ◆ Software Control Panel and zero latency mixer
- ◆ Bundled with PreSonus ProPak Software Suite including Cubase LE 48-track production software, 25 real-time effect plug-ins and over 3GB of drum loops and samples.

INSPIRE 1394 FireWire Interface (Mfr# INSPIRE 1394 • B&H# PRI1394) **149.95**

FIREBOX 6-input/10-output 24-bit/96K FireWire Interface

A powerful FireWire recording interface that fits in the palm of your hand, the FireBox is a complete recording studio combining two high quality PreSonus microphone/instrument preamps, 24-Bit/96kHz sample rate and Steinberg's Cubase LE 48-track recording software. Ideal for a professional-quality and compact computer-based studio.



- ◆ Has the highest record/playback track count of its size with the ability to record six inputs and playback through ten outputs simultaneously all at pro-quality 24-bit/96kHz.
- ◆ Two Class-A ultra-low noise high-headroom microphone/instrument preamplifiers with 48v phantom power on the front panel.
- ◆ Two additional balanced TRS line inputs along with six balanced TRS line outputs. Two channels of S/PDIF input/output and MIDI input/output are also included via DB9 breakout cable.
- ◆ Zero-Latency DSP mixer allows you to mix all six live inputs with a software output stream, then route that mix to any one of its outputs, as well as assign either that mix or a software output stream to its headphone amplifier.
- ◆ High quality stereo headphone output with volume adjustment on the front panel. The headphone output has its own two-channel driver stream which can be used as a separate stereo bus or two-channel output giving you the ability to send a "cue" mix to the headphone output and a main mix to the main output.
- ◆ Powered by 6-pin FireWire bus power or via an external power transformer.
- ◆ Windows XP and Mac-compatible, FireBox comes ready-to-record with Steinberg's Cubase LE 48-track 24-bit/96k recording software. It also comes with the ProPak Software Suite, which includes more than 20 real time plug-ins, a number of virtual instruments and over 2 GB of drum loops and samples.
- ◆ 1/3 RU-wide metal chassis fits PreSonus' MAXRACK rackmount system and can be racked with the TubePRE, COMP16, EQ3B and HP4 for a neat and compact computer recording system.

FireBox Interface: with Cubase LE Software (Mfr # FIREBOX • B&H # PRFB).....**299.95**

MegaStudio Artist: Includes FireBox and Cubase 4 LE, Sony Vegas Movie Studio + DVD video editing software, eight virtual instruments, nine real-time effects, and a large selection of drum loops and sound effects. Also includes four-hour video tutorial that covers audio recording and video editing. (Mfr # MEGASTUDIO ARTIST • B&H # PRMSA).....**449.95**

Max Rack (Mfr # MAXRACK • B&H # PRMR).....**79.95**

FIRESTUDIO PROJECT

10 x 10 FireWire Recording System

FireStudio Project is a complete 24-bit/96K recording system combining eight Class A XMAX mic preamplifiers, 24-bit/96k sample rate conversion, zero-latency matrix router mixer, and the PreSonus ProPak Software Suite. The suite includes Cubase LE 4 48-track recording and production software, over 25 real-time plug-in

effects (EQ's, compressors, reverbs), and over 2 GB of drum loops and samples. Great for professional studio recording, live sound recording, performance, podcasting and more, the FireStudio Project is designed for flexibility and ultra-high sonic performance. With the FireControl Mixer/Router you can send up to five individual mixes to different musicians during recording so that every band member can have a custom headphone mix.



- ◆ High-speed FireWire (IEEE 1394) audio interface, with up to 96K sampling rate.
- ◆ 8 XMAX Class A microphone preamplifiers (+60dB gain) w/ trim control.
- ◆ Eight analog mic/line inputs, 2 Instrument Inputs; 8 1/4" TRS balanced analog outputs.
- ◆ S/PDIF Digital input and output, MIDI input and output
- ◆ Balanced Send / Return for channels 1 and 2
- ◆ Zero Latency Monitoring with FireControl Mixer/Router.
- ◆ Separate 1/4" TRS balanced main outputs.
- ◆ 1/4" TRS headphone output with level control.
- ◆ FREE ProPak Software Suite including Cubase LE 4 Audio Production Software

FireStudio Project – (Mfr # FIRESTUDIO PROJECT • B&H # PRFSP) **499.95**

FIRESTUDIO TUBE

16 x 10 FireWire Recording System with Two SuperChannels

FireStudio Tube is a complete 24-bit/96k professional FireWire recording system with sixteen inputs and ten outputs,

including two SuperChannel Tube Preamps. Additional inputs include eight Class A XMAX mic preamps and six balanced TRS line inputs on the rear panel. Outputs include eight balanced TRS outputs and PreSonus' signature ultra loud and clear headphone output. PreSonus' 16x10 FireControl mixer/router delivers up to five zero-latency custom monitor mixes easily and quickly. FireStudio Tube touts A/D/A converters with a dynamic range of over 114dB for unbelievable clarity as well as synchronization using patented JetPLL jitter reduction technology. Bundled with a complete suite of software featuring Steinberg's Cubase LE 4 48-track recording and production software along with a number of third party plug-ins, loops, samples and virtual instruments delivering a complete music production solution.



The two front panel "SuperChannels" feature Class A vacuum tube mic and instrument preamps along with full-featured analog limiters. The preamps use a high gain, military-grade tube for maximum gain, low noise and high headroom. Neutrik combo connectors allow both XLR mic and hi-Z instrument inputs. Preamp controls include preamp gain and tube drive to achieve a wide range of sounds from smooth, clean and clear, to warm tube saturation. An 80Hz high pass filter on the front panel removes room rumble and unwanted lows. Limiter features a VCA-based ultra fast RMS and peak detection circuit, with threshold and gain controls, eliminating the possibility of clipping during recording while maintaining musicality. Fast-acting LED metering on the front panel displays preamp input and limiter gain reduction for the two tube SuperChannels.

- ◆ 16 inputs/10 outputs simultaneous record/playback channels
- ◆ 2 SuperChannels (tube microphone/instrument preamplifier with analog limiter)
- ◆ 8 balanced TRS outputs
- ◆ 8 XMAX microphone preamplifiers
- ◆ MIDI Input/Output
- ◆ 16x10 FireControl DSP mixer/router
- ◆ High performance A/D/A converters (114 dynamic range)

FireStudio Tube

16-in/10-out FireWire Interface with ProPak software suite. (Mfr # FIRESTUDIO TUBE • B&H # PRFST) **799.95**

FIRESTUDIO

26-input/26-output FireWire Recording System

FireStudio is a 26x26 24-bit/96kHz professional recording system combining eight XMAX Class A PreSonus mic preamps, up to sixteen channels of optical ADAT input/output as well as S/PDIF and MIDI input/output.

Wordclock I/O helps integrate the interface into a professional environment, while a software Control Console delivers a 36x 36x 18 zero-latency

mixer/router. FireStudio also includes the ProPak Complete, a bundle of over 2GB of award-winning

recording and production software, virtual instruments,

plug-ins, drum loops and samples to get you started making music immediately.



FEATURES

- ◆ Eight custom-designed high-voltage, discrete, XMAX Class A mic/line preamps with trim controls. Inputs 1/2 accept instruments as well. Preamps are characterized by high headroom, low noise, wide dynamic range and wide frequency range. Dual neutrik connector accepts 1/4" and XLR inputs.
- ◆ Ultra powerful FireWire chipset deliver 26 channels of simultaneous inputs/outputs at 24-bit/96kHz. Easily handles high channel count at high bit-rate while minimizing latency and load on your computer.
- ◆ 48v phantom power, switchable in banks of four (1 - 4 and 5 - 8)
- ◆ Sixteen channels of optical ADAT I/O (eight channels via 96kHz dual S/MUX)
- ◆ S/PDIF I/O on RCA coaxial connectors
- ◆ MIDI input and output
- ◆ Two headphone outputs
- ◆ Synch is handled by JetPLL jitter reduction technology. Incorporates noise shaping to virtually remove all audio band jitter. Ensures the highest converter performance possible, resulting in better stereo separation and clearer more transparent audio.
- ◆ JetPLL delivers ultra-fast locking to any digital format, through a wide range of frequencies and is extremely robust, and tolerant of wide variations in clock frequencies. Ensures near perfect clock performance when networking audio devices thus creating the most stable and robust synchronization to the computer and all devices synchronization with the FireStudio.

Control Console - Zero Latency DSP Mixing/Routing

The FIRESTUDIO also includes the Control Console - a 36x36x18 DSP mixer/router for flexible mixing and direct routing any input to any output including the headphone output, with zero latency. The Control Console software application lives between your FireStudio interface and your DAW software enabling the mixing and routing of input streams coming into your FireStudio interface and playback stream coming from your DAW software. The Control Console is capable of creating up to nine stereo mixes and then routing to the outputs of your FireStudio for headphone mixes and various aux sends. This way everyone in the band and the recording engineer can have a custom mix. Also, the FireStudio is loaded with internal flash memory so all Control Console Mixer and Output Router settings are saved and recalled in the FireStudio during power off/on. This allows you to configure your FireStudio as a stand-alone device, without being connected to a computer for uses such as a submixer, A/D and D/A-converter, headphone mixer, format converter, instrument or microphone pre-amplifier!

ProPak Complete Software Suite

The PreSonus FireStudio also comes with the new ProPak Complete Software Suite, which includes more than 20 real time plug-ins, a number of virtual instruments and over 2 GB of drum loops and samples including: Steinberg - Cubase LE; Propellerheads Reason Adapted PreSonus Edition; IK Multimedia - Amplitube LE; FXpansion - BFD lite; Drumagog LE; Sonoma Wire Works-Riffworks Jr.; Wave Arts - TrackPlug LE, MasterVerb LE and more!

Optional Monitor Station Remote (MSR)

The optional MSR (monitor station remote) for the FireStudio is a complete surround/stereo speaker manager, input switcher and communication system delivering a more efficient and flexible work flow. The MSR connects to the FireStudio via standard Cat 5 Ethernet cable to keep your work space as clean as possible. There are also two headphone outputs on the FireStudio for even further flexibility and convenience.



FireStudio: 26-input / 26-output 24-Bit/96kHz FireWire Recording System for Mac and Windows (Mfr # FIRESTUDIO • B&H # PRFS) **CALL**

MSR - Monitor Station Remote for FireStudio (Mfr # MSR • B&H # PRMSR) **199.95**

FIRESTUDIO LIGHTPIPE

ADAT Lightpipe to FireWire Interface

FireStudio LightPipe is a 24-bit/96k ADAT light pipe to FireWire computer recording system for both PC and Macintosh computers. The FireStudio LightPipe allows you to convert up to 32 channels of ADAT optical light pipe input/output to FireWire providing a multi-channel computer interface for digital mixers, A/D and D/A converters or ADAT recorders. FireStudio Lightpipe features JetPLL jitter elimination technology for ultra-tight synchronization and improved imaging and clarity along with a 34x4 DSP matrix mixer allowing you to create dual stereo latency monitor mixes. Fast-acting front panel input/output LED meters provide visual monitoring of all signals.



FireStudio LightPipe (Mfr # FIRESTUDIO LIGHTPIPE • B&H # PRFL).....**599.95**

MEGASTUDIO PRODUCER

Complete Audio & Video Production Studio



The MegaStudio Producer from PreSonus is a complete audio and video production studio that includes the FP10 10x10 FireWire recording interface, Steinberg's Cubase 4 LE recording software for Mac and Windows, along with Sony Vegas Movie Studio + DVD video editing software for Windows. Additionally, there are eight virtual instruments, nine real-time effects, and a large selection of drum loops and sound effects. Also included with the MegaStudio Producer are more than four hours of tutorial videos showing you step-by-step how to produce professional-quality recordings and videos taking the mystery out of music and video production.

FP10 Interface

- ◆ 10x10 FireWire recording interface with 24-bit/96k sampling rate
- ◆ 8 Class A XMAX microphone preamps (2 instrument inputs); 8 analog line outputs.
- ◆ S/PDIF input/output, MIDI input/output
- ◆ Zero-latency monitoring
- ◆ Daisy-chain up to three FP10's for 24 mic/line inputs.

Audio and Video Production

- ◆ Steinberg Cubase 4 LE 48-track audio recording and production software
- ◆ Sony Vegas Movie Studio + DVD Architect Multitrack video and audio editing software and DVD creation software

Virtual Instruments

Includes Reason Adapted (Synths, Sounds, Loops), Drumagog LE (Drum replacer), BFD Lite (Virtual studio drummer), Ultra Analog Session (Synthesizer), PreSonus VI by SoniVox (Virtual sample instrument), Lounge Lizard Session (Vintage electric pianos), Amplitube LE (Virtual guitar amplifier), KeytoSound (General synthesizer).

Realtime Effects

Includes MasterVerb (Mono and stereo reverb), EyeQ (Graphic EQ and spectral analyzer), Chamberverb (Reverb), Track Plug LE (Channel Strip), Camel Crusher (Compressor), PitchCraft (Pitch correction), FuzzPlus 2 (Guitar effect), SFX Machine (virtual synthesizer), Pluggo Jr (12 realtime effects plug-ins).

Drum Loops And Sound Effects

Sony 1001 Sound Effects, Discrete Drums PreSonus Edition, Cycling 74 loops, Twiddly Bits

CD Burning

Sony CD Architect

Instructional Videos

- Cubase LE4 Demystified - video manual
- Sony Vegas Movie Studio Training by VASST
- How to recording a song using the FP10
- How to make a live recording and video with the FP10 and Sony Vegas
- How to make a music video with Sony Vegas
- Mixing a song in Cubase LE4,
- Distributing your music on TuneCore

MegaStudio Producer (Mfr # MEGASTUDIO PRODUCER • B&H # PRMSP).....**499.95**

AUDIOBOX USB

2x2 USB recording system

The AudioBox USB is a USB bus-powered interface with 2 mic/instrument preamps with 48V phantom power, 2 balanced TRS outputs, MIDI Input/Output, and a playback mixer knob on the front panel allowing you to adjust the volume level between your recording and existing tracks. The AudioBox USB ships complete with the PreSonus ProPak software suite featuring Steinberg's Cubase LE 4 as well as a bundle of third party plug-ins, loops and drum samples. The AudioBox USB is USB bus-powered allowing you to take it anywhere inspiration hits. No



wall warts, line lumps or power cables, just plug in to a powered USB port and you are ready to record. The AudioBox USB is housed in an all-metal chassis with metal knobs ready to withstand the rigors of travel. Toss it in your laptop bag and mobilize your music creation and production.

- ◆ 24-bit / 44.1, 48k USB audio recording interface
- ◆ 48V phantom power
- ◆ Powered via USB
- ◆ 2 class A XMAX microphone / instrument preamplifiers
- ◆ 2 balanced TRS outputs
- ◆ 1/4" stereo headphone output with deicated level control
- ◆ MIDI input/output

AudioBox USB (Mfr# AUDIOBOX USB • B&H# PRABU) **149.95**

Presonus Audio Interface Comparison

	AudioBox USB	Inspire 1394	FIREBOX	MegaStudio Producer	FireStudio Project	FireStudio Tube	FireStudio LightPipe	FireStudio
Interface	USB	FireWire (x2)	FireWire	FireWire (x2)	FireWire (x2)	FireWire (x2)	FireWire (x2)	FireWire (x2)
Bit Depth / Sample Rate	24-bit / 48kHz	24-bit / 96kHz	24-bit / 96kHz	24-bit / 96kHz	24-bit / 96kHz	24-bit / 96kHz	24-bit / 96kHz	24-bit / 96kHz
Total Inputs and Outputs	2x2	6x6	6x8	10x10	10x10	16x8	32x32	26x26
Analog Inputs	2 x XLR/1/4" TRS 'combo'	2 XLR Mic 2 1/4" TS Line 2 RCA Line	2 x XLR/1/4" TRS 'combo' 2 x 1/4" TRS	8 x XLR/1/4" TRS 'combo'	8 x XLR/1/4" TRS 'combo'	8 x XLR/1/4" TRS 'combo' 2 SuperChannels 6 x 1/4" TRS	—	8 x XLR/1/4" TRS 'combo'
Analog Outputs	—	2 x RCA	4 x 1/4" TRS	8 x 1/4" TRS	8 x 1/4" TRS	4 x 1/4" TRS	—	8 x 1/4" TRS
Analog Monitor Outputs	2 x 1/4" TRS	2 x RCA, 1/8" TRS	2 x 1/4" TRS	4 x 1/4" TRS	2 x 1/4" TRS	2 x 1/4" TRS	2 x 1/4" TRS	2 x 1/4" TRS
Analog Sends>Returns	—	—	—	2 x 1/4" TRS	—	—	—	2 x 1/4" TRS
ADAT/SMUX Input Ports	—	—	—	—	—	—	4	2
ADAT/SMUX Output Ports	—	—	—	—	—	—	4	2
S/PDIF Inputs	—	—	1 Coaxial	1 Coaxial	1 Coaxial	—	—	1 Coaxial
S/PDIF Outputs	—	—	1 Coaxial	1 Coaxial	1 Coaxial	—	—	1 Coaxial
MIDI I/O	Yes	—	Yes	Yes	Yes	Yes	Yes	Yes
Multi-unit support	—	Up to 4 Units	—	Up to 3 Units	—	—	—	via ADAT
Headphone Output(s)	1/4" TRS	1/8" Stereo	1/4" Stereo	1/4" Stereo	1/4" Stereo	1/4" Stereo	1/4" Stereo	1/4" Stereo
Word Clock I/O	—	—	—	—	—	—	BNC	BNC
Bus-powered	Yes	Yes	Yes	—	—	—	—	No
Form Factor	Table Top	Table Top	Table Top	19" Rackmount	19" Rackmount	19" Rackmount	19" Rackmount	19" Rackmount

FIREFACE 400

36-Channel, 24-Bit/192kHz Bus-Powered FireWire Audio Interface

The Fireface 400 is the only device in its class with active jitter suppression, stand-alone functionality, complete controllability from the front panel, highly flexible I/Os in professional quality, and an unsurpassed 648-channel matrix router - at sample rates up to 192 kHz.

Fireface 400 features eight balanced analog inputs and outputs (output 7/8 are unbalanced) equipped with software controlled

switching of reference levels. Channels 1 and 2 provide two microphone inputs with a digitally controlled input stage, individually switchable 48v phantom power and Neutrik Combo connectors for XLR and TRS. Digital connectivity is provided by ADAT Lightpipe I/O along with coaxial S/PDIF which is AES/EBU compatible. BNC connectors allow for inputting and outputting Wordclock. The Fireface 400 is equipped with SteadyClock, sync and clock technology that



allows the unit to function as a sync reference for a whole studio. SteadyClock refreshes clock signals, removes jitter and provides optimal conversion quality, irrespective of the quality of the reference clock. With the inclusion of internal flash memory, all settings are recalled during boot. This

allows it to be configured and used as a stand-alone device, without connection to a computer.

FEATURES

- ◆ Sample rates up to 192 kHz on all channels (except ADAT)
- ◆ Two digitally controlled Mic Preamps in high-end quality
- ◆ Two balanced universal inputs for line and instrument signals
- ◆ An ADAT optical I/O allows for a connection and insertion of effects devices, mixing consoles or external converters.
- ◆ Simple stand-alone operation with rotary encoder and front panel display
- ◆ TotalMix: 648-channel mixer with 42-bit internal resolution
- ◆ 54 Level Meter Peak/RMS, hardware-calculated
- ◆ Full mobility with Bus Power support (Power over FireWire)
- ◆ Word clock input and output (BNC) plus two MIDI I/Os (breakout cable, 5-pin DIN)
- ◆ Power supply accepts 100 to 240v AC, thus it can be operated all over the world.
- ◆ A rear panel switch enables Bus Powered operation, taking the power directly from the FireWire connector.

SteadyClock

Equipped with SteadyClock, the Fireface 400 becomes a sync reference for the whole studio. RME's unique sync and clock technology, SteadyClock refreshes clock signals, removes jitter, and takes care of optimal A/D-D/A conversion quality, thus guarantees a sensational sound quality, completely independent from the reference clock's quality. SteadyClock allows the unit to control the sample rate freely on its own. The Settings dialog includes a direct choice of the video and audio world's most often used sample rates. Additionally, two faders can be used to set the sample rate freely and in real-time, within the range of +/- 4% and +/- 0.4%.

TotalMix

The DSP-based TotalMix mixer allows fully independent routing and mixing of all 18 input and output channels to all 18 physical outputs. Up to 9 totally independent stereo sub-mixes simply mean unrivalled monitoring facilities. Copy/paste of routings, ganging and group-based operation of faders, and the extraordinary Matrix window are just some of the mixer's unique features. The mixer can be completely MIDI controlled, even in stand-alone operation. Furthermore the DSP hardware calculates RMS and Peak levels for all 54 audio channels, without causing any significant CPU load.

FireWire Technology

Fireface 400 uses RME's own FireWire technology, heavily optimized for audio. Minimum overhead, special hardware adaptations, and a low-latency buffer concept allow a performance and compatibility considered impossible for FireWire audio until now. This includes changing latency in mid-operation, latencies down to one ms, or an immediate reaction to changes of the sample rate. Further optimizations and additional features can be added at any time by Flash Updates.

Fireface 400: FireWire Audio Interface for Mac and Windows (Mfr# FF400 • B&H# RMF400).....**CALL**

FIREFACE 800

66-Channel, 24-Bit/192kHz Bus-Powered FireWire Audio Interface

Fireface 800 is the most powerful FireWire audio inter-

playback, up to 192 kHz sample rate, and true speed audio interface. Redefining the benchmark technology to provide maximum audio quality and flexibility combined with extremely accurate converters with 24-bit and up to 192kHz sampling frequency on all inputs/outputs result in pure and unequalled audio. All major settings are controlled by the included TotalMix software and can be stored in presets. With the Fireface 800 and TotalMix you gain full control of the audio signal: simultaneous recording of 28 tracks to your computer, routing the signal to the backup media on two ADAT-Ports, making an extra mix for the digital 2-track Master via SPDIF/AES and checking every signal or every combination of signals over the integrated headphone with several different sub-mixes.



FEATURES

- ◆ Top range AD/DA converters with 24 bit and up to 192 kHz sampling frequency on all inputs and outputs
- ◆ 4 x mic inputs with Class-A design with a maximum gain of 60dB
- ◆ 8 x Line In and Out, servo-balanced with variable level settings
- ◆ High-Z Instrument input with Tube Gain and Speaker Emulation
- ◆ Dedicated Headphone Out
- ◆ Steady Clock -technology for maximum jitter suppression
- ◆ Word Clock I/O, (high-speed) MIDI I/O, SPDIF I/O coaxial (AES/EBU compatible)
- ◆ 2 x ADAT digital I/Os, (1 x switchable to S/PDIF optical) allow expansion using RME's OctaMic D or ADI-8 series converters to a full-blown 28-channel analog input mobile recording studio.
- ◆ 2 x FireWire 800 bi-lingual ports, 1 x FireWire 400 port for daisy chain options.
- ◆ Supports standalone operation by storing any user setup in flash memory. It retains all settings, including the mixer configuration, and loads them when the powered up.
- ◆ Built-In switching power supply for world-wide operation.

TCO (Time Code Option)

The little module provides the Fireface 800 with a Word Clock input and offers a synchronization to LTC and video. Thanks to SteadyClock, the TCO not only extracts absolute positions from these signals, but also a very clean low-jitter word clock. Thus a sample accurate timecode synchronization to audio or video sources is assured.



- ◆ LTC can be derived and generated in all common formats: 24, 25, 30, and 29.97 frames; drop-frame or non-dropframe.
- ◆ Commonly used Pull-Up/Pull-Down formats ($\pm 0.1\%$ and $\pm 4\%$) can be utilized, and PAL and NTSC video formats will be automatically detected and processed.
- ◆ Time Code can be sent to the audio or video application as ASIO Positioning Protocol (APP) or MTC. An application can send APP or MTC to the TCO, which will generate LTC on hardware level with lowest jitter. Several fly-wheel functions facilitate chase operation (adjustable drop-out length, Continuous- or Jam-Sync).
- ◆ Under Windows XP the HDSP provides the SMPTE position as APP (ASIO Positioning Protocol) and as MTC Sync. Under Mac OS X the TCO-FF provides the SMPTE position as MTC Sync.
- ◆ The TCO has a combined switchable Word Clock/Video input (BNC) as well as an LTC input (BNC). The Word Clock / Video input on the card can comfortably be terminated (relay-controlled) with a 75 Ohm terminator from the settings dialog.
- ◆ The TCO also features an additional LTC output (BNC) with two level settings (configurable via jumper).
- ◆ Speaker Emulation filter takes low- and high-frequency disturbances away and guarantees an optimal basic sound even when recording directly into the computer, or when monitoring through a mixing console.

Fireface-800 FireWire Audio Interface for Mac and Windows (Mfr# FF800 • B&H# RMF800)CALL

HDSP 9632

32-channel 24-Bit/96kHz PCI Card

An all-in-one solution for Windows or Mac-based systems, the HDSP 9632 features the finest 192kHz A/D and D/A converters (more than 110dB S/N ratio), up to 96 kHz ADAT I/O (SMUX), SPDIF I/O and MIDI I/O. Separate headphone output operating at 192kHz can easily cope with any standard studio tasks.

The HDSP 9632 comes with two unbalanced RCA breakout cables (headphone: stereo jack). All analog I/Os are unbalanced. Optional breakout cables like balanced analog on XLR and an XLR AES/EBU out cable are available. This option offers real 192 kHz AES/EBU out mastering facility. The HDSP 9632 comes with TotalMix—a DSP based 512-channel real-time mixer with zero latency monitoring at minimal CPU load. All inputs/ outputs can be utilized at the same time. RME's SyncCheck monitors all inputs and displays their actual state, while Intelligent Clock Control keeps control of all clocks and sync-states. SteadyClock technology offers software controlled sample rates and maximum jitter suppression with full varipitch compatibility. The analog expansion boards add 4 stereo TRS jacks with the same performance as the on-board stereo analog I/O—up to 192 kHz, balanced and 3 different reference levels. With this a maximum of 6 analog inputs and/or outputs can be achieved, turning the HDSP 9632 into a 16 channel I/O solution.



B&H # RMHDSP9632

FEATURES

- ◆ All settings changeable in real time
- ◆ Automatic and intelligent master/slave clock control
- ◆ Enhanced mixed mode: All inputs and outputs are simultaneously operational
- ◆ Unique status windows for record and playback, showing mode and sample rate
- ◆ Zero Latency Monitoring for latency-free sub-mixes and perfect ASIO direct monitoring
- ◆ Analog input and output level configurable via software
- ◆ Speaker protection minimizes noise during power on/off
- ◆ Digital inputs and outputs ground-free transformer coupled
- ◆ TotalMix 512-channel mixer with 40-bit internal resolution
- ◆ Balanced stereo analog in- and output, 24-Bit/192kHz, > 110 dB SNR
- ◆ All analog I/Os capable of 192 kHz, constant number of available channels
- ◆ ADAT digital I/O, supporting 96 kHz S/MUX operation
- ◆ SPDIF digital I/O, 192 kHz-capable
- ◆ Up to 16 I/Os can be used simultaneously!
- ◆ Stereo headphone output,
- ◆ High-speed MIDI via breakout cable

Bundled Software

- ◆ DIGICheck for Windows: includes professional level meters for 2, 8 or all 32 channels. Oversampling Mode, Vector Audio Scope, 30-band true bandpass Spectral Analyzer, Correlation Meter, Loudness Meter, Bit Statistics, DC and noise measurement/SNR Channel status display, zero CPU load hardware level meters.
- ◆ HDSP Meter Bridge: Scalable level meter with Peak- and RMS calculation in hardware
- ◆ Drivers: Windows 2000/XP (full ASIO multi-client operation of MME, GSIF 2.0 and ASIO 2.0), Mac OS X (Core Audio, Core MIDI).
- ◆ SteadyClock combining professional features like maximum jitter suppression at full varipitch capabilities and software controlled sample rates.

Optional Accessories

- Balanced analog breakout cable (Mfr # BO9632XLRMKH • B&H # RMBO9632XLRM)**79.50**
- BOB1 Breakout Box:** Hardware breakout box, replaces the breakout cables that originally come with the card. (Mfr # BOB1 • B&H # RMBOB1)**129.00**
- Time Code Option** (Mfr # TCO HDSP • B&H # RMTCOHDSP)**Call**
- AO4S-192:** 4-channel analog expansion board with 24-bit/192kHz support. Designed as bracket with 4 stereo TRS jacks, provides four servo-balanced outputs. (Mfr # AO4S • B&H # RMAO4S)**269.00**
- TEB (TDIF Expansion Board):** The TEB adds an 8-channel TDIF interface to the HDSP 9632. Features include manual choice of clock reference, status LEDs and a word clock output. (Mfr # TEB • B&H # RMTEB)**249.00**
- HDSP 9632 Word Clock Module (WCM):**
The Word Clock Module (WCM) provides a galvanically isolated word clock input and two word clock outputs (BNC connectors). Both outputs have their own driver stages, providing externally low jitter signal. A push switch activates 75 Ohms termination for the hi-impedance input. SteadyClock, part of the PCI card, guarantees an excellent performance in all clock modes. Its highly efficient jitter suppression refreshes and cleans up any clock signal, and provides it as reference clock at the two outputs. (Mfr # HDSP9632-WCM • B&H # RMHDSP9632WC)**172.50**

HDSP 9652

52-channel 24-Bit/96kHz PCI Card

The HDSP 9652 card turns every computer into a powerful Digital Audio Workstation (DAW). A 52 I/O channel computer interface solution, it is based on the award-winning Hammerfall DSP technology, combining superb handling and stability with extremely low latency. All 26 inputs and 26 playback channels can be routed and mixed independently.

Tens of thousands of installations worldwide are proof that the HDSP 9652 is a perfect partner for software-based DAWs like Cubase, Nuendo, Logic, Wavelab, Sequoia, Sonar, Live and Reason, to name but a few. Two separate MIDI inputs and outputs are offering additional 32-channel high-speed MIDI interfacing for all sequencer applications. The DSP hardware calculates RMS and peak level meters for all audio channels, without any measurable CPU load. Three optical ADAT I/Os each and a SPDIF I/O provide a total of 52 digital audio channels for simultaneous operation. The HDSP 9652 card provides Word Clock I/O, and comes with TotalMix, RME's DSP-based multi-channel real-time mixer.



HDSP 9652 Hammerfall: 26-Input / 26-Output 24-bit/96kHz PCI card with ADAT and S/PDIF I/O, MIDI I/O and ADAT Sync for Mac and Windows (Mfr # HDSP9652 • B&H # RMHDSP9652)Call

SOUND DEVICES

USBPre

2 Channel Portable Mic Preamp with USB Interface



The USBPre is a complete, portable audio interface for hard disk recording. Designed for USB-equipped Windows and Mac computers, it includes all the connections required for 24-bit audio acquisition with notebook or desktop computers. Features include two active-balanced microphone preamps with 48v phantom power, 24-bit A/D converters, instrument DI, line-level inputs, front panel level metering, with headphone monitoring of both analog source and computer audio. USBPre

is completely bus powered, eliminating batteries or external power supplies.

- ◆ All controls on front panel — no software-only features.
- ◆ Active-balanced mic and line level inputs
- ◆ High-strength extruded aluminum chassis.
- ◆ Dynamic range greater than 106 dB (in 24-bit operation).
- ◆ Flat 10 Hz to 20 kHz audio bandwidth
- ◆ Input type is selected per channel — allowing two different signal types simultaneously (both channels when S/PDIF selected).
- ◆ High-impedance, low-noise DI instrument input
- ◆ Two channels accept microphone, instrument, balanced-line, tape level, and coaxial S/PDIF inputs.
- ◆ Six-segment, LED peak input meter for precise level control.
- ◆ Mix control enables zero-delay monitoring of source audio, computer audio, or a mix of both source and computer audio.
- ◆ 48v phantom power for condenser mics
- ◆ Phono (RCA) jacks connect PC AUDIO output to external loudspeakers or preamplifiers.
- ◆ Bus powering from the USB port eliminates external power sources and batteries.
- ◆ Regulated internal DC/DC converter for low noise, consistent audio quality.

USBPre: Mic Preamp for Mac or Windows (Mfr# USBPRE15 • B&H# SOUSBPRE15)549.00

Konnekt 8

4-input/4-output 24-Bit/192kHz FireWire Audio Interface

Konnekt 8 features two mic preamps which are switchable to dedicated Hi-Z guitar inputs or balanced line inputs, two analog controlled balanced outputs, 2 AUX line in to monitor external devices, two coaxial S/PDIF (stereo) I/O, sample accurate MIDI and FireWire connectivity. State-of-the art design allows the unit to be used as a stand-alone mixer with the front panel light ring providing easy access, instant control and visual feedback of important mix parameters. Bundled with Cubase LE, so you can start recording right out of the box.



- ◆ Two microphone preamps with switchable phantom power
- ◆ Front panel Hi-Z instruments inputs for guitar and bass
- ◆ Front panel control of internal mixer parameters
- ◆ Direct monitoring
- ◆ Analog volume control of powered speakers
- ◆ Full feature stand alone mode
- ◆ Network up to four units via a FireWire based network to get more inputs, outputs and effects channels
- ◆ Dual headphone outputs, one with auto speaker muting
- ◆ Low latency drivers including WDM, ASIO and CoreAudio (Intel Macs supported)
- ◆ Sample accurate MIDI
- ◆ FireWire bus powered
- ◆ Cubase LE included
- ◆ Full sample accurate MIDI implementation and FireWire connectivity.

Konnekt 8 - 4 Input / 4 Output 24-Bit/192kHz FireWire Audio Interface for Mac and Windows (Mfr# 967-100011 • B&H# TCK8)**Call**

KONNEKT 24D

14-input/14-output 24-Bit/192kHz FireWire Audio Interface

Konnekt 24D is a 14 in 14 out audio interface that steps up from the Konnekt 8 with real-time effects and ADAT connectors. The Fabrik C channel strip and Fabrik R reverb known from TC's PowerCore platform are built into the Konnekt 24D. Both Fabrik effects feature TC's proprietary MINT technology which allows the user to execute complex audio adjustments simply by moving the MINT icons around the screen. Konnekt 24D's onboard effects are designed to work even when the unit is used in stand-alone mode, a feature that allows users to easily play and monitor without needing to power up the computer.



- ◆ Built-in real-time DSP effects; Fabrik C channel strip and Fabrik R reverb based on MINT
- ◆ Outstanding IMPACT mic preamps
- ◆ True Hi-Z guitar inputs - dedicated circuits for guitar and bass
- ◆ Ultimate signal path from input, through built-in real-time effects, to the recording application
- ◆ Front panel control of internal mixer parameters
- ◆ Analog volume control for perfect integration with powered speakers
- ◆ Full feature stand alone mode
- ◆ Network up to 4 units via the TC NEAR 1394 Firewire based network to get more inputs, outputs and effects channels
- ◆ Full feature direct monitoring - with effects and also between networked units
- ◆ Intuitive control panel with automatic input detection
- ◆ 3 DSP programs for total recall of internal routing, mixer and effects settings
- ◆ DICEII digital interface chip with JET Jitter Elimination Technology
- ◆ Low latency drivers: WDM, ASIO and CoreAudio (including Intel Macs)
- ◆ FireWire bus powered
- ◆ Dual headphone outputs, one with auto speaker muting
- ◆ 24-bit/ 192kHz sampling rate
- ◆ Sample accurate MIDI
- ◆ 2 mic/inst/line, 2 balanced line inputs and 4 balanced line outputs, 8 ADAT and 2 S/PDIF (optical and coaxial) inputs and outputs
- ◆ Includes Cubase LE

Konnekt 24D - 14-Input / 14-Output 24-Bit/192kHz FireWire Audio Interface for Mac and Windows (Mfr# 967-000011 • B&H# TCK24D)**CALL**

KONNEKT LIVE

FireWire Audio Interface

An audio interface for live performers, now the same high quality audio converters and effects of TC Electronic's Konnekt 24D are performance-ready. Konnekt Live features extensive output routing that enhances the audio passing through via its built-in DSP and optimized analog output section. Bundled with Ableton Live Lite 6 TC Electronic Edition and two DSP effects:



- ◆ 3-band master compressor built on latest dynamics processing algorithms - the perfect Finalizer for any venue. Unique MINT (Meta Intuitive Navigation Technology) interface lets users respond intuitively to what's heard.
- ◆ Konnekt's road-ready casing is designed for life on the road. Fitting right under a laptop, its heavy rubber frame has a solid grip on tilted or slippery surfaces.
- ◆ Konnekt Live comes with a turntable cable and an onboard RIAA plug-in. The selection of RIAA filters gives studio-quality vinyl ripping to mix in with original music or mash-ups.
- ◆ ResFilter is a plug-in that offers state-of-the-art filtering effects. Throw in resonance, 6, 12 and 24 dB slopes for even more stunning sounds.
- ◆ Konnekt Live's MIDI I/O allows an external MIDI controller to be plugged right into the loop without a USB MIDI interface.
- ◆ Inter-communication-bus facilitates controlling and tweaking multiple plug-ins and parameters from one plug-in, cross-fading between two plug-ins etc.

Konnekt Live
(Mfr# 967-200011 • B&H# TCKL)**399.00**

DIGITAL KONNEKT x32

Digital Patchbay, Format Converter and FireWire Audio Interface



Digital Konnekt x32 is an all-in-one digital patchbay, format converter and FireWire audio interface, for integrating digital outboard effects units and keyboards with modern digital audio workstation based studios.

As a stand-alone format converter and patch-

bay, Digital Konnekt x32 includes 8 channels of AES/EBU, 8 channels of S/PDIF and Toslink, 8 channels of ADAT (up to 96 kHz SMUX) and Word Clock I/O. Any input format can be converted into either of the other formats and aligned to any sample rate ranging from 44.1 to 192 kHz. Digital Konnekt x32 allows sample rate conversion on up to four separate stereo inputs at once.



- ◆ Konnekt Digital x32 functions as a computer interface with two FireWire connections streaming 16 channels of audio to and from the computer.
- ◆ Has balanced stereo analog and headphones outputs for monitoring and is compatible with other TC Electronic audio interfaces.
- ◆ Accessed like a standard VST/AU plug-in from within a DAW, the included Integrator plug-in enables hardware processor effects to be used as an insert or an effect send on any track or on the master output of the host application.
- ◆ The Integrator also controls routing, levels and latency compensation of external effects processing equipment attached to Digital Konnekt x32, allowing seamless (and painless) integration of hardware effects processors.
- ◆ Extra features on the digital patchbay and interface include complete front panel patchbay configuration, total scene recall, JET Jitter Elimination Technology and a front panel lock to prevent unintended button pushes.

US-122L • US-144

Portable USB 2.0 Audio/MIDI Interfaces



US-144

The US-122L and US-144 are audiophile-quality audio/MIDI Interfaces in a portable package.

They feature USB 2.0 technology for 96kHz/24-bit recording with zero latency hardware monitoring, XLR mic inputs and MIDI I/O.

Bundled with Cubase LE 48-track recording software, they are ready to rock right out of the box.

Designed with low-profile knobs for the top - so they're easy to slip into a backpack, they offer a rugged metal die-cast enclosure so they're built to last.



US-122L

- ◆ 2 XLR mic inputs with phantom power
- ◆ 2 analog line inputs (1 switchable to high impedance for use with guitars, basses, etc.)
- ◆ 1 MIDI input, 1 MIDI output
- ◆ USB 2.0 equipped (also supports USB 1.1)

- ◆ Up to 96kHz/24-bit high quality recordings
- ◆ Zero-latency hardware monitoring
- ◆ Headphone/level control
- ◆ Bus powered for use with any PC or Mac, including laptops

US-144 Step-up Features

- ◆ S/PDIF Digital Input & Output
- ◆ 4 in, 4 out operation (analog, S/PDIF)
- ◆ Separate headphone output & level controls

US-122L: 2x2 USB 2.0 Audio/MIDI Interface (Mfr # US-122L • B&H # TAUS122L).....**129.00**

US-122L TNT Bundle: Gives you everything you need to start recording on your PC or Mac. In addition to the US-122L with Steinberg's Cubase LE, the bundle includes Tascam's LD-74 microphone. Designed by MXL for Tascam, its large diaphragm design has a 1" gold-sputtered element inside, and the specs are nearly identical to classic studio-standard vocal and instrument mics. Also includes a tabletop stand and XLR cable. (Mfr # TNT BUNDLE • B&H # TATNTB)**179.00**

US-144: 4x4 USB 2.0 Audio/MIDI Interface (Mfr # US-144 • B&H # TAUS144)**149.00**

US-1641 USB 2.0 Audio/MIDI Interface

The 1RU US-1641 is an Audio/MIDI interface with 16 simultaneous inputs (14 analog inputs plus S/PDIF digital inputs) and four simultaneous outputs, eight studio-quality mic inputs with phantom power, digital I/O,



independent monitor and headphone outputs and 16 channels of MIDI I/O. The US-1641 offers zero-latency hardware monitoring and up to 96kHz sampling rates at 24-bit resolution. The eight mic inputs employ Tascam Pro mic pres with 60 dB of gain and phantom power for studio-quality recordings. Two balanced TRS line inputs on the front panel are switchable to guitar level for direct-in recording of bass or guitar tracks. A built-in power supply means there's no special wall-wart to lose, and connection to the computer is handled by USB 2.0. The US-1641 is bundled with Cubase LE4 and Tascam's own Continuous Velocity Piano.

- ◆ 16 simultaneous inputs
- ◆ 4 Simultaneous outputs
- ◆ 14 x 4 Analog input/output
- ◆ Stereo S/PDIF digital input/output
- ◆ 8 XLR mic inputs with 48V phantom power
- ◆ USB 2.0 computer interface
- ◆ Up to 96kHz/24-bit audio resolution
- ◆ Zero-latency hardware monitoring
- ◆ Independent monitor and headphone outputs
- ◆ 16-channel MIDI input and output
- ◆ Includes Steinberg Cubase LE4 and Tascam Continuous Velocity Piano

US-1641 (Mfr # US-1641 • B&H # TAUS1641).....**399.00**

FIREONE

24-bit / 96kHz FireWire Audio Interface

The FireOne is a dual channel FireWire audio interface that is equipped with shortcut keys and a weighted jog wheel to facilitate streamlined control of your favorite DAW. The large, weighted, backlit jog wheel allows you to zip through your song, while the backlight provides useful feedback such as a visual metronome. In addition to its weighted jog wheel, the FireOne has transport keys and nine programmable function keys to control audio applications like Logic Pro, SONAR, Cubase, Nuendo, Digital Performer, Live and Pro Tools. The edit control interface makes it a perfect choice for editing applications like Final Cut Pro and Premiere. Bundled with Live Lite 6 TASCAM Edition, Ableton's music creation, production and performance software from Ableton.



- ◆ 2-in / 2-out FireWire audio interface
- ◆ Two XLR mic inputs with phantom power and pad, 1/4" hi-z input for recording guitar.
- ◆ Two 1/4" stereo headphone outputs.
- ◆ Transport control keys: rewind, fast-forward, stop, play, record
- ◆ Eight DAW shortcut keys
- ◆ MIDI in and out
- ◆ 1/4" footswitch input
- ◆ Buss powered through the FireWire connection or use the included power supply

FireOne (Mfr # FIREONE • B&H # TAFO).....**229.95**

FW-1082 • FW-1884

FireWire Audio Interface / Control Surfaces

The FW-1082 and FW-1884 each combine a 24-bit 96kHz FireWire audio and MIDI interface with a comprehensive control surface, complete with moving-faders. As a DAW controller, each unit is compatible with a wide variety of popular applications including Digital Performer, Logic, Cubase, Nuendo, and Cakewalk Sonar. And by emulation of HUI and Mackie Control they can be used as a comprehensive control surface for DAW applications that support those protocols such as Digidesign Pro Tools and more. Both the FW-1082 and FW-1884 include the latest TASCAM software bundle featuring Cubasis LE 96kHz/48-track recording software and GigaStudio 3 LE streaming sampler.



FW-1884

FW-1082

- ◆ 10-in/4-out audio interface at 96kHz/24-bit including four balanced XLR / 1/4" TRS mic/line inputs with phantom power, four balanced 1/4" TRS line inputs, balanced 1/4" TRS monitor outputs
- ◆ 1/4" TRS insert jacks for channels 1 and 2
- ◆ Two MIDI inputs and outputs are also included, plus S/PDIF digital I/O.
- ◆ Eight channel strips each feature a 60mm touch-sensitive moving fader and select/solo/mute buttons. Also has a moving master fader.
- ◆ Four encoders are also available for mix control, as well as transport and jog/shuttle controls. Stereo monitoring is included, and the FW-1082 even mixes signals internally for stand-alone use.
- ◆ Headphone output with level control

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- ◆ 18-channel audio input and output: eight analog, eight ADAT digital and two S/PDIF coaxial or optical. Eight balanced XLR mic/line inputs with quality mic preamps and phantom power. Headphone output with level control
- ◆ Eight analog outputs, allowing connection of L/R and 5.1 surround matrices
- ◆ Four MIDI inputs and outputs
- ◆ Eight 100mm motorized touch-sensitive channel faders, master fader, plus controls for pan, solo, mute and select functions on each channel.
- ◆ Tactile control for four bands of parametric EQ, a jog/shuttle wheel and a variety of shortcut keys are also included.

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