FW-1804 FireWire Audio/MIDI Interface

- ▶ 18-in/12-out audio interface
- ▶ Records at up to 96kHz/24-bit resolution
- ▶ Four balanced XLR / ¼" TRS mic/line inputs with phantom power
- ▶ Four balanced ¼" TRS line inputs (eight total line inputs)
- ▶ Guitar level input
- ▶ ¼" TRS insert jacks for channels 1 - 4
- ▶ S/PDIF stereo digital in and out
- ▶ ADAT optical digital in and out
- ▶ Word Clock in and out
- ▶ Balanced ¼" monitor outputs
- ▶ Headphone output with level control
- ▶ Two MIDI inputs and four MIDI outputs
- ▶ Assignable Footswitch jack
- ▶ Includes Cubase LE 48-track / 96kHz recording workstation software
- ▶ Includes GigaStudio 3 LE streaming sampler software instrument

If you're looking for a busload of high-quality line inputs, mic pre-amps, MIDI ports and digital I/O in a compact rackmount package, the FireWire-based FW-1804 really delivers. Priced and sized for home studios, it's ideal for rooms that already have – or don't have the room for – a mixing console or fader controller. The included 48-track Cubase LE software takes full

advantage of the FW-1804's 96kHz/24-bit recording resolution, delivering monster-truck recording power in a subcompact parking space.

The FW-1804 has a generous variety of audio options for interfacing with your studio. Four microphone inputs, each with phantom power for pro condenser mics, record to multiple tracks for later overdubbing or mixdown. Each has an analog insert point, so you can insert a compressor to keep from distorting. Up to eight line level signals can be recorded or mixed simultaneously – such as synthesizers or multi-effects processors. The eight-channel ADAT optical digital interface – plus a stereo digital S/PDIF I/O – are ideal for pristine-quality transfers to digital consoles or samplers.

A full-featured MIDI interface is included in the FW-1804 with two MIDI inputs and four MIDI outputs, so you can control 64 channels of synths and modules.

A bundle of professional recording software comes with the FW-1804, providing a powerful production solution right out of the box. Steinberg's Cubase LE is a 48-track, 96kHz audio recording workstation application. It includes 64 MIDI tracks with sophisticated editing features, VST plug-in and instrument support, ReWire support and an upgrade path to Cubase SX. TASCAM's GigaStudio 3 LE software sampling instrument offers 64-voice polyphony, 16-channel multitimbral MIDI, ReWire and VST plug-in support, and is compatible with all GigaStudio sample libraries –the best in the world. You even get a demo copy of Nomad Legends effects plug-ins and a bonus delay plug-in.
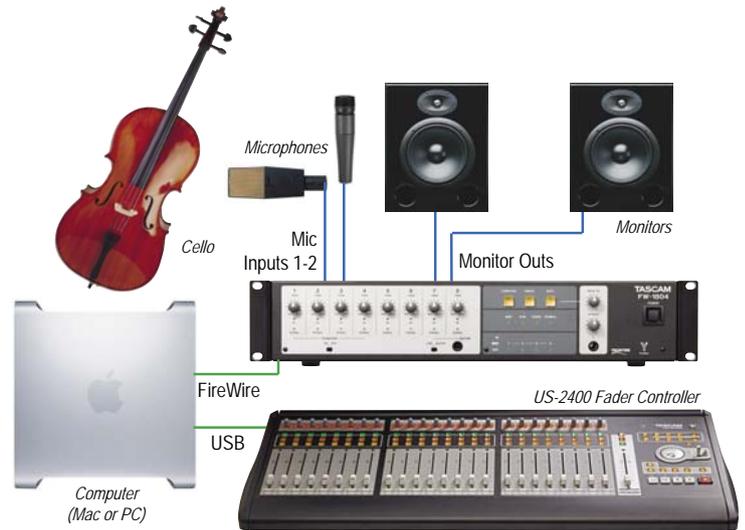
Whether you don't have the space, need or budget for a big control surface, the FW-1804 provides the killer I/O of our groundbreaking FW-1884 in a rackmount package that fits in any studio.

TASCAM®

DAW Recording

The FW-1804 provides an affordable way to add a high-quality audio/MIDI interface to any home studio. It has four high-quality microphone inputs, each with phantom power and insert jacks for connecting professional gear like condenser microphones. The FW-1804 records at up to 96kHz/24-bit resolution – much better than CD quality – so your tracks can capture every detail and nuance.

In addition to the four mic/line inputs are an additional four line ins, eight channels of ADAT digital ins and outs and stereo S/PDIF digital I/O, so you'll be ready to expand your studio in the future. There's even a guitar input, right on the front panel where it belongs, so you can plug in your favorite axe whenever you're inspired.

The FW-1804 is perfect for studios that already have a control surface – like TASCAM's awesome 24-fader US-2400 –or in studios where there's sim-
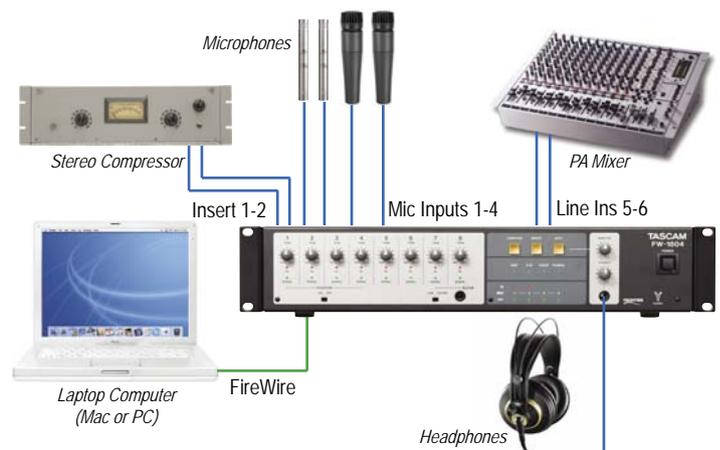

Cello
Microphones
Mic Inputs 1-2
Monitor Outs
Monitors
FireWire
US-2400 Fader Controller
USB
Computer (Mac or PC)

ply no more room for gear. Just install it in your equipment rack and start tracking –your spouse might not even notice.

Live Recording

With the portable, rackable FW-1804 and a laptop, you have everything you need to take your studio on the road. Whether you want to sell CDs at your next gig, upload an MP3 of the show to your website or use the recording to audition for a bigger club gig, recording your live show can be the key to bigger and better things for your band.

The FW-1804 has four microphone inputs, so you can set your own mics onstage and in the audience. Four additional line ins are perfect for amp direct out jacks, guitar amp modelers or the line outs from a board feed. Insert jacks allow you to patch in a compressor/limiter, so that the recording doesn't distort when things get too loud. It has ADAT inputs so that you can get a perfect digital feed in clubs using a digital console. There's even a loud headphone amp for monitoring the recording during the show.

A dedicated S/PDIF digital output can be connected to a CD burner like our CD-RW750 if you don't have one on your laptop. Work quickly enough and you might be able to sell CDs of that night's show before your audience catches a cab.

Microphones
Stereo Compressor
PA Mixer
Insert 1-2
Mic Inputs 1-4
Line Ins 5-6
Laptop Computer (Mac or PC)
FireWire
Headphones

Pro & Project Studios

For studios that prefer to use a mixing console, like TASCAM's DM-24, the FW-1804 forms a bridge between your mixer and computer workstation software. The analog and digital inputs of the FW-1804 allow you to record up to 18 simultaneous channels to your computer DAW for later mixdown. Paired with the DM-24, this is perfect for applications that need lots of microphone inputs and individual cue mixes. The DM-24 can even control your DAW during mixdown using HUI emulation.

The FW-1804's S/PDIF digital output is bussed to TASCAM's CD-RW750 CD recorder in this application. This allows you to mix in the computer and record to CD, useful in pro studios where time is charged by the hour. The word clock in and out on the FW-1804 is a lifesaver in big studios where several digital components are connected together, and the front panel indicators show you sample rate and clock info to help you keep everything running smoothly.

Microphones

Line Inputs/
Outputs

ADAT I/O

DM-24 Digital Console

FireWire

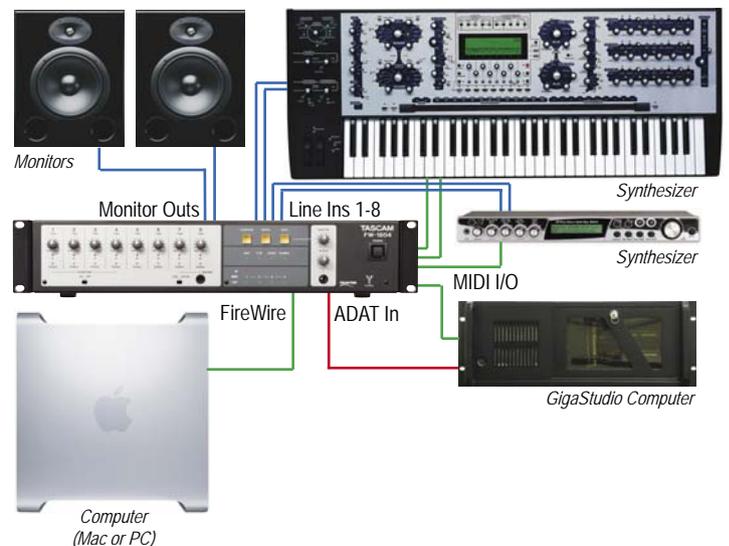S/PDIF I/O

CD-RW750 CD Recorder

Computer
(Mac or PC)

MIDI Sequencing

With four MIDI outputs, eight line ins, digital I/O and word clock connections, the FW-1804 makes a great central nervous system for big MIDI studios. Since it uses high-bandwidth FireWire to connect to a computer, the FW-1804 can record or mix enough audio and MIDI channels for the biggest synth productions.

The rear panel of the FW-1804 has eight balanced analog line inputs for getting all of your synths and modules into your DAW for mixing. There's also 24-bit ADAT and S/PDIF digital inputs for digital sources like a PC running GigaStudio 3. Two MIDI ins and four MIDI outs provide up to 64 channels of MIDI information to your synths and modules.

The FW-1804's audio and MIDI drivers are industry standards recognized by most sequencers, like Digital Performer, Logic, Sonar and Cubase LE. It has three interface modes – Computer, Interface or Both – which allow it to be used as a stand-alone line mixer even with no computer attached. This allows you to submix synth tracks without taxing your computer's CPU, freeing it up for more plug-ins and soft synths.

Monitors

Monitor Outs

Line Ins 1-8

Synthesizer

Synthesizer

FireWire

ADAT In

MIDI I/O

GigaStudio Computer

Computer
(Mac or PC)

FW-1804 Connections

- ▶ (4) Balanced XLR / ¼" TRS Mic / Line inputs
- ▶ (4) ¼" TRS Analog Inserts (Channels 1 - 4)
- ▶ (4) ¼" TRS Line Inputs
- ▶ (2) ¼" TRS Control Room Outputs
- ▶ ¼" TRS Headphone Output
- ▶ RCA S/PDIF Digital Input and Output

- ▶ Toslink ADAT Digital Input and Output
- ▶ BNC Word Clock Input and Output
- ▶ (2) MIDI Inputs
- ▶ (4) MIDI Outputs
- ▶ (2) FireWire connectors (In/Thru)
- ▶ ¼" Footswitch Input
- ▶ (2) IEEE-1394 FireWire jacks

FW-1804 Bundled Free Software

The following free software is included with the FW-1804:

▶ Cubase LE
- o 48 audio tracks and 64 MIDI tracks
- o 96kHz / 24-bit resolution
- o Supports VST FX and instruments
- o Sophisticated MIDI track editing
- o Loop slice, stretch, groove and tempo analysis
- o Upgrade path to Cubase SX

▶ GigaStudio 3 LE
- o 64-voice polyphony
- o 16-channel multitimbral MIDI
- o ReWire and VST plug-in support
- o Includes MegaPiano piano library
- o Compatible with all GigaStudio libraries

▶ Nomad Factory Demo Version
- o Blue Tubes Bundle, Rock Amp Legends and Liquid Bundle plug-in demo install
- o One free delay plug-in permanent install

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