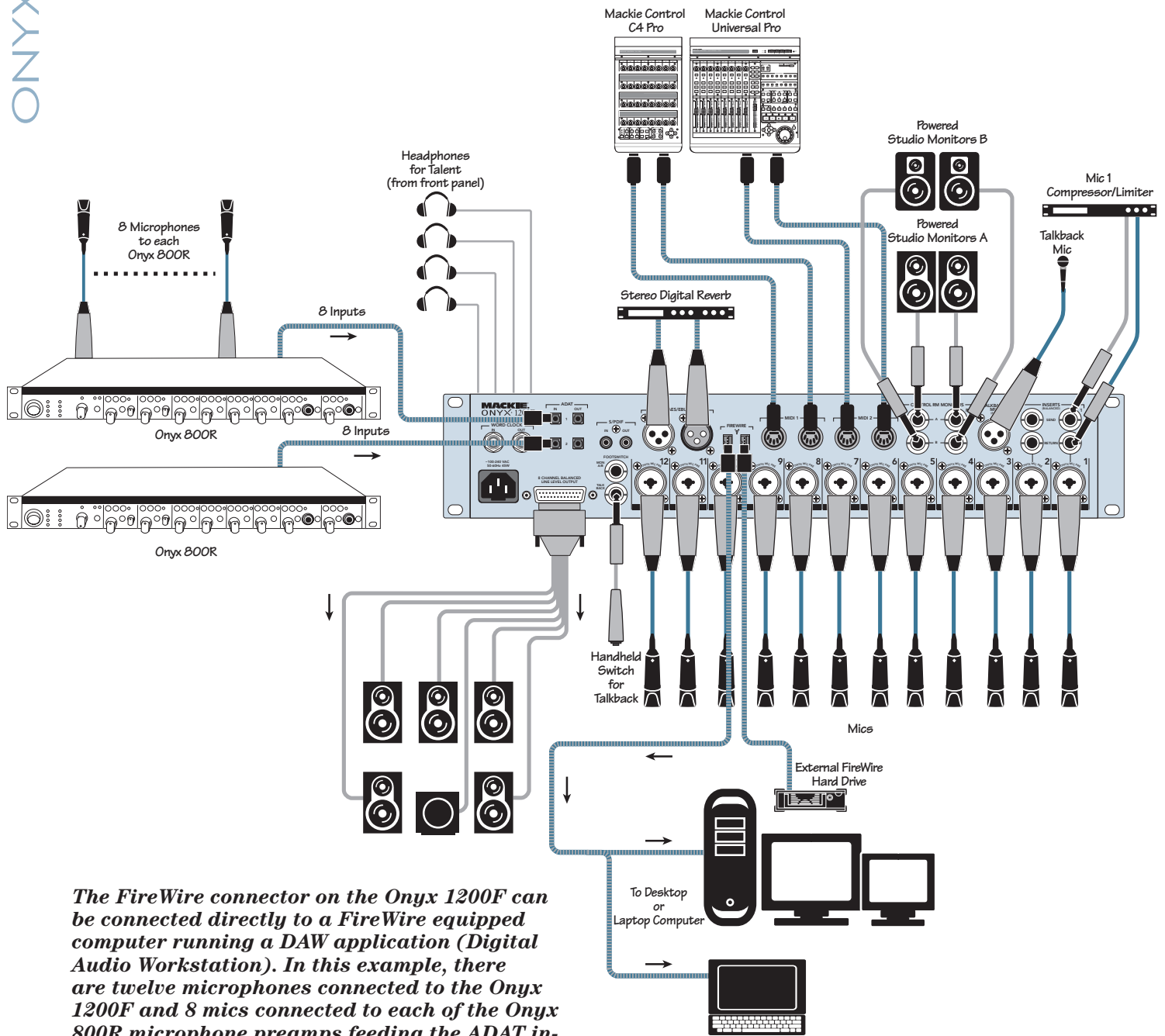


Hookup Diagrams



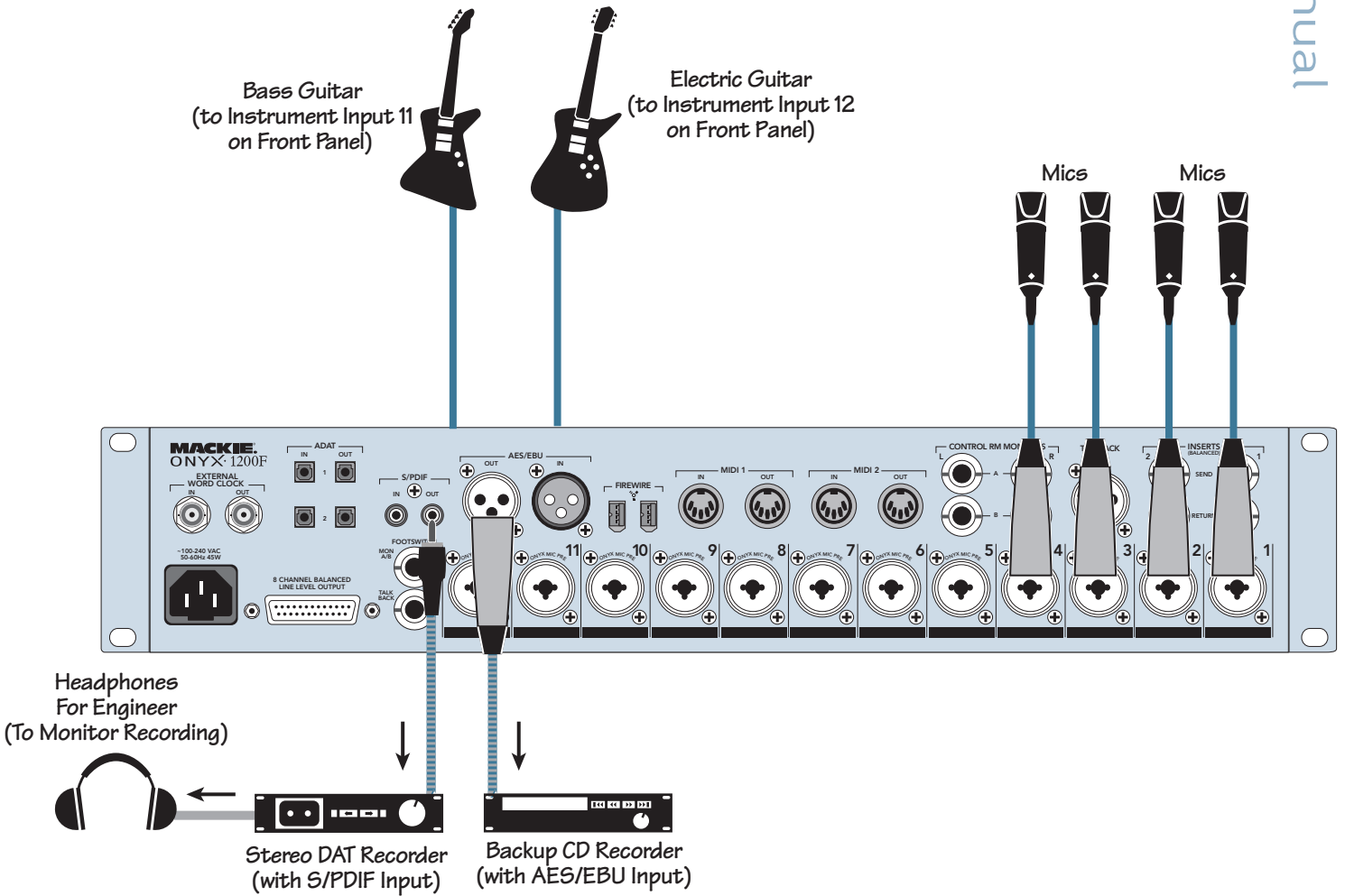
The FireWire connector on the Onyx 1200F can be connected directly to a FireWire equipped computer running a DAW application (Digital Audio Workstation). In this example, there are twelve microphones connected to the Onyx 1200F and 8 mics connected to each of the Onyx 800R microphone preamps feeding the ADAT inputs on the Onyx 1200F, for a total of 28 microphone feeds to the DAW.

Two different sets of studio monitor speakers are connected for control room monitoring. In addition, five studio monitors and a subwoofer are connected to the line-level outputs for surround sound monitoring.

A stereo digital reverb is connected to the AES/EBU IN/OUT to add reverb to the vocals, and a compressor/limiter is connected to the channel 1 Insert Send/Return.

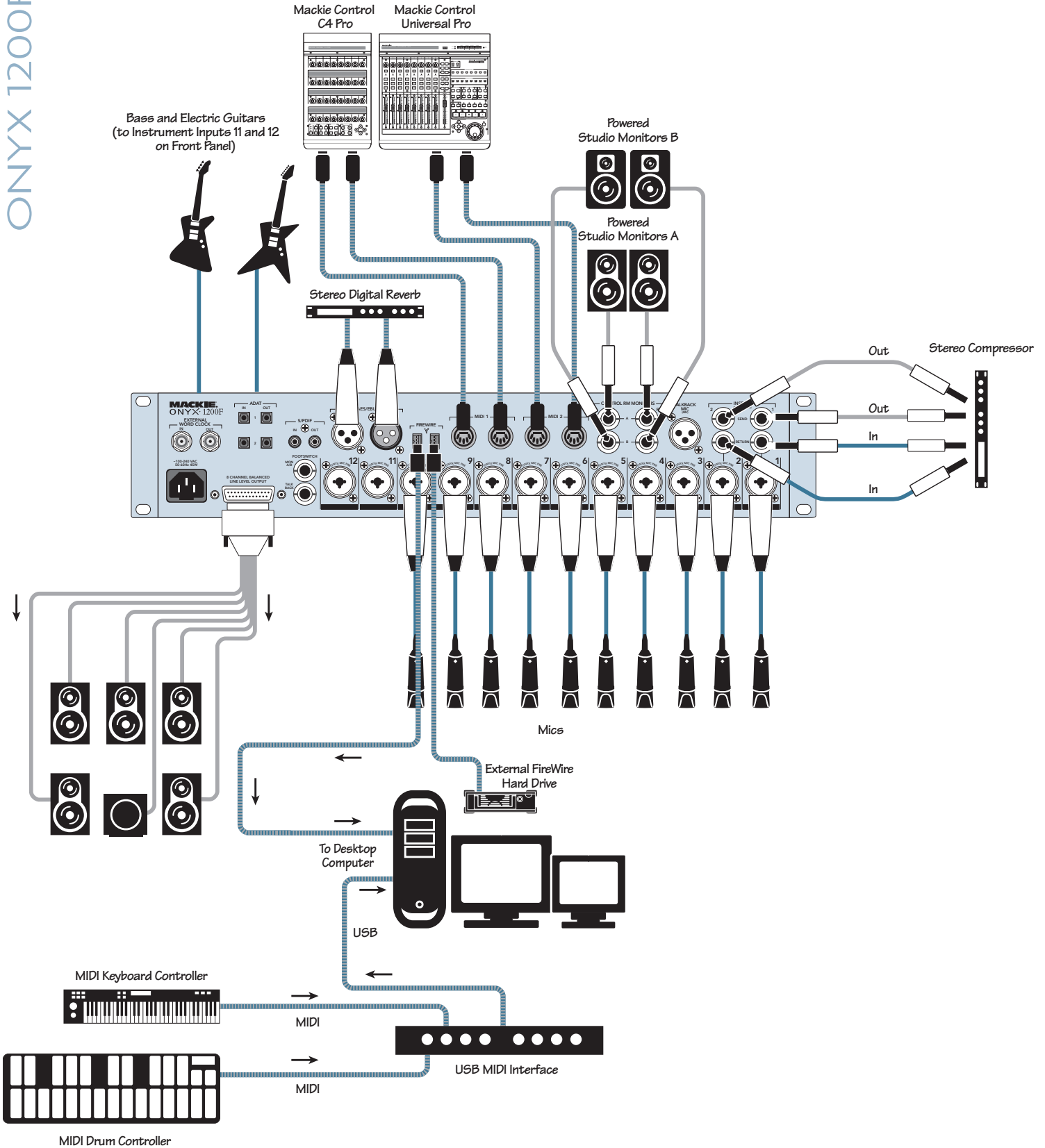
The four headphone outputs on the front of the 1200F are used for the musician's monitors. Each headphone output is getting a separate, unique headphone mix from the DAW stereo aux sends. A Mackie Control Universal and C4 are connected via the MIDI IN/OUTs, which controls the Tracktion software installed on the computer. An external FireWire hard drive is connected to the second FireWire connection on the Onyx 1200F to serve as a dedicated memory storage device for the audio files.

Onyx 1200F Multitrack Recording with a DAW (Tracking)



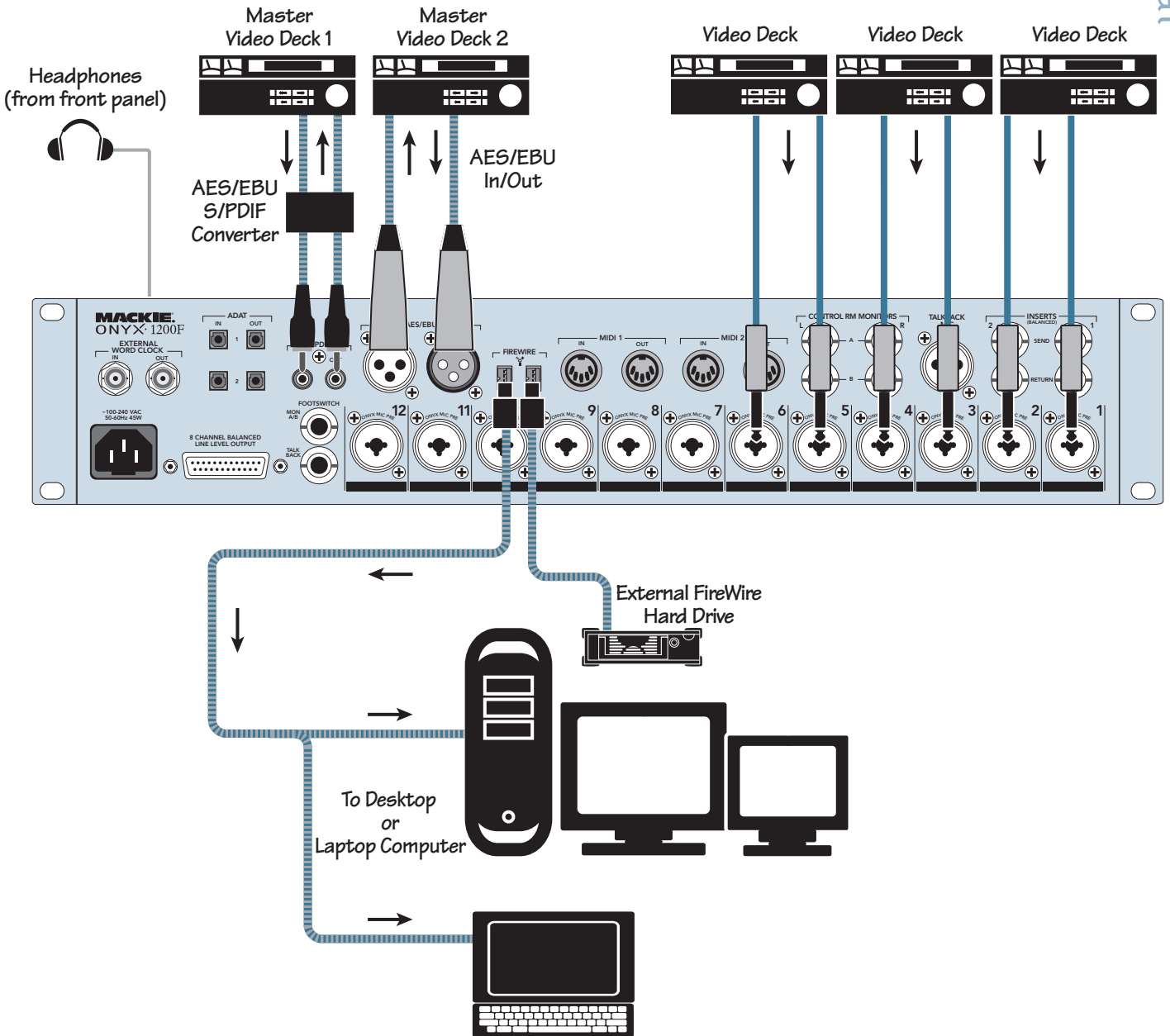
This illustrates a simple direct to 2-track recording setup. You can configure the Onyx 1200F beforehand with the desired sampling rate, with the inputs routed to the S/PDIF output. The AES/EBU output on the Onyx 1200F carries the same signal as the S/PDIF out, and is connected to the AES/EBU input on a stereo CD recorder for backup.

Onyx 1200F 2-Track Recording



This illustrates the potential of the Onyx 1200F to do entire band recordings with a minimum of physical gear or large recording spaces. Everything except the singers are “virtual!” A USB MIDI interface is used to connect an external MIDI keyboard controller and MIDI drum controller to the computer running the DAW software, and a Mackie Control Universal connected to the MIDI I/O on the Onyx 1200F to control the DAW. The DAW is running an amp emulation plugin for the guitars and virtual instrument plugins for the keyboard and drum controllers.

Onyx 1200F with DAW and External Controllers



This illustrates an audio/video application where several video decks are connected to the inputs on the Onyx 1200F, and use the Console control panel to route the audio to the two Master Video Decks from the S/PDIF (via a S/PDIF to AES/EBU converter) and AES/EBU digital audio outputs from the 1200F. The AES/EBU digital audio outputs from the Master Video decks are connected to the S/PDIF (again, through the converter) and AES/EBU inputs on the Onyx 1200F. These can be individually selected in the Console Settings panel and routed to the DAW software application on a laptop or desktop computer via the FireWire connection.

Onyx 1200F Audio/Video Application