

SYNC I/O

Robust, Versatile Synchronization Device

M | W
Mac OS | Windows

FEATURES

- Next generation, high-fidelity, low-jitter clock design
- Near sample-accurate lock to time code or bi-phase signals
- Word Clock I/O up to 192 kHz capable
- Supports all major industry-standard clock sources and time code formats
- Supports industry-standard pull-up/pull-down rates for film/video
- Two 9-pin ports allow dual device control when using MachineControl option in master or remote slave mode

The new Pro Tools® | HD system offers professionals working in the music, film, broadcast and new media industries a comprehensive solution for high-definition audio production. Among the new peripherals for this system, SYNC I/O™ is the latest multi-purpose synchronization device supporting all major industry-standard clock sources and time code formats.

Accommodating the high sample rates intrinsic to Pro Tools | HD with the utmost accuracy, SYNC I/O features near sample-accurate lock to time code or bi-phase/tach signals and a 192 kHz capable, high-fidelity, low-jitter Word Clock.

In addition to support for industry-standard pull-up/pull-down rates for film and video, two 9-pin ports are available for using the Digidesign® MachineControl™ option. AES/EBU clock I/O, video reference in/thru, video program in/out, and a host of other features make SYNC I/O the most consistent, dependable solution for Pro Tools | HD installations in commercial music and post production facilities.

HIGH DEFINITION SYNCHRONIZATION

SYNC I/O features an extremely fast lock up time while maintaining near sample-accurate lock at sample rates up to 192 kHz. The new low-jitter clock provides maximum audio fidelity, even when locked to varying external timing sources (such as when generating word clock from free-running SMPTE time code).

The ultimate versatile synchronization peripheral, SYNC I/O supports all major industry-standard clock sources and time code formats. Clock sources supported include video reference (blackburst), video signal, LTC resolve, AES, word, bi-phase and internal. Time code formats supported include LTC, VITC, bi-phase and MTC out.

CLEAR DISPLAY

The front panel on SYNC I/O features a large, bright, and easy-to-read 7-segment time code display along with source and status lights, allowing quick and easy access to reader/generator functionality.

DEDICATED MACHINECONTROL PORTS

SYNC I/O sports two dedicated 9-pin ports for use with Digidesign's MachineControl option, making it dramatically easier to set up your system. Simply plug the 9-pin device into either of the MachineControl ports, select which of the ports you're using in Pro Tools software, and you're ready to go. In most cases, no additional drivers or aftermarket adapters are necessary when using SYNC I/O.*

BI-PHASE/TACH TO TIME CODE CONVERSION

SYNC I/O supports direct translation of bi-phase and tach pulses to the various output formats, allowing time code/clock generation from mag machines and flatbed editors. The reference lock point for the signals can be set either from the front panel or from the SYNC I/O Setup application.

LOCAL AND REMOTE MODES

SYNC I/O can operate in either Local or Remote Mode. Local Mode allows front-panel control of all parameters, including clock references and time code reading or generation. Remote Mode allows control via Pro Tools or the SYNC I/O Setup application. SYNC I/O switches to Remote Mode automatically when either of these applications are launched.

TIME CODE/CLOCK GENERATION

While locked to one of the supported clocks or positional reference formats, SYNC I/O simultaneously generates LTC, VITC, MTC, Super Clock, Word Clock and AES Null Clock.



SYNC I/O

Robust, Versatile Synchronization Device for Pro Tools

WINDOW BURN

SYNC I/O can add visual time code window burn to video signals passed through the video I/O. Positioning and placement of the window burn can be controlled from Pro Tools or SYNC I/O setup software.

IDEAL FOR AVOPTION & AVOPTION|XL

Essential for Pro Tools systems using AVOption** or AVOption|XL, SYNC I/O allows you to resolve Pro Tools to edge-frame aligned video reference while playing back or capturing true Avid® picture inside of Pro Tools. The combination of SYNC I/O and AVOption or AVOption|XL offers an unparalleled, all-digital, flexible work environment.

EASY CONFIGURATION

Control of SYNC I/O's parameters can be accessed via Pro Tools software, allowing you to easily change settings without leaving the application. Plus, with SYNC I/O's auto-configuration, all settings can be saved and instantly recalled with each session.

What's more, the newest Pro Tools software supporting Pro Tools|HD systems will incorporate a new auto-identification scheme upon launch of Pro Tools software — making installation, system setup and reconfiguration of SYNC I/O easier than ever.

SYSTEM REQUIREMENTS

Digidesign-approved Pro Tools TDM system

For the latest Digidesign product information and system requirements, visit www.digidesign.com.

For the latest Development Partner plug-in and software compatibility information, visit www.digidevelopers.com.

* Remote deck emulation requires a serial adapter

** AVOption not compatible with Mac OS X



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