

Remote control and setup of the AX24 HDIO Interface

In order to setup the HDIO Interface, the actual settings control has to be made via the Analog Out tab of the Pro Tools software's Hardware Setup window (menu: Setup|Hardware) se figure 1.

Main

For the 192 I/O #1 the clock source and the sample rate have to be set according to the application. Generally the AX24 is the clock master and synchronizes the HDIO. In this case the clock source setting has to be 192 I/O #1.

Please note that the HDIO always has to be word clocked with a correct word clock signal on the connector. The clock setup would preferably be:

AX24 (master) -----> AX24(slave) -----> HDIO

The input and output setup should be the default setting: Analog 1-2 up to AES/EBU 7-8.

Analog Out

In the peripherals section the AX24 HDIO Interface appears as two 192 I/O units. 192 I/O #1 and 192 I/O #2 is shown. 192 I/O #1 equivalent the Port A, and 192 I/O #2 port B of the interface. Use first HDIO port A if only one MAD/DigiLink connection is needed.

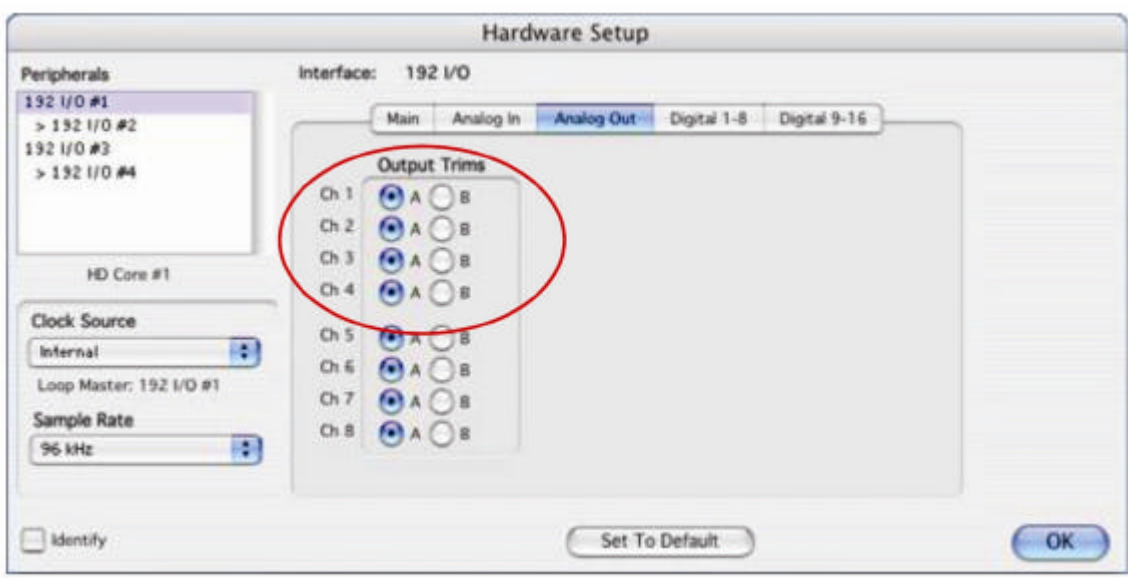


Figure 1 – HDIO System Settings via ProTools

The settings of Ch 1 to Ch 4 output control settings in of the HDIO as specified in the following table. The trims settings are not used.

| Channel Number | Parameter | If "A" is selected | If "B" is selected |
|----------------|--------------------------|--------------------|-------------------------------------|
| 1 | Number of MAD I channels | 56/28/14 | 64/32/16 |
| 2 | MADI NFS mode | Normal (note1) | Special |
| 3 | MADI DFS/QFS mode | Legacy (SMIUX) | High Speed |
| 4 | WordClock input | Word Clock | FrameClock (48kHz /44.1kHz) (note2) |

Note 1

Ch2: SET ALWAYS TO A = NORMAL

Note 2

Ch4: NORMALLY SET TO B = FrameClock

The 56/64 frame and Legacy/High speed has to correspond to the AX24 setting. 56 and Legacy is suggested for 2*fs operation.

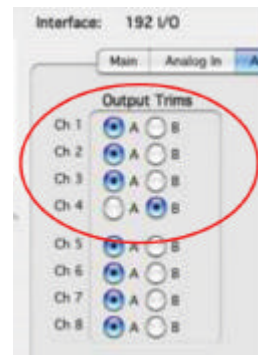


Figure 2 – Std settings

SYNC LED of the AX24 HDIO Interace

The green led has two error modes and an OK mode:

Error modes:

Fast blink = no WC present

Slow blink = WC and digilink/MADI not in sync/wrong samplerate

OK mode:

Green constant light = all sync is OK