



Using the ProTools PD-1 Session Template

The Template

This example template is supplied as an example of a simple application, once you understand how to use the PD-1 we are sure that you can me much more inventive. The template is for three 5.1 stems (Dx, Mx, Fx) that sum in the master stem (COMP). The COMP outputs feed the monitoring via the main 5.1 analogue output of the 192. The Outputs are arranged to work with an XMON, where 1=L, 3=C, 5=R, 6=Ls, 7=Rs, and 8=LFE. If your monitor setup is different, visit the I/O setup dialogue box and reorder the chiclets in the 'output' tab.

Equipment List

To use this template session, you will need:

From Digidesign:

At least one Pro Tools HD card
At least one 192 Interface
A SYNC I/O
Machine Control option
Pro Tools HD 7.2 or higher

From CB Electronics:

A PD-1 Monitoring Controller
A USB-422 with appropriate 9-pin cable
The driver for the USB-422 can be downloaded here:
<http://www.colinbroad.com/cbsoft/usbdriver.html>
The PD-1 Template Session can be downloaded here:
<http://www.colinbroad.com/cbsoft/pdsoft.html>

A note on using Windows XP

If your Pro Tools HD system is running on Windows XP, you will need to renumber the COM ports as Pro Tools can only connect to Comm1 and Comm2. More information on how to do this can be found in Appendix C of the USB-422 manual, which can be downloaded here:

<http://www.colinbroad.com/cbsoft/usbdriver.html>

Connections

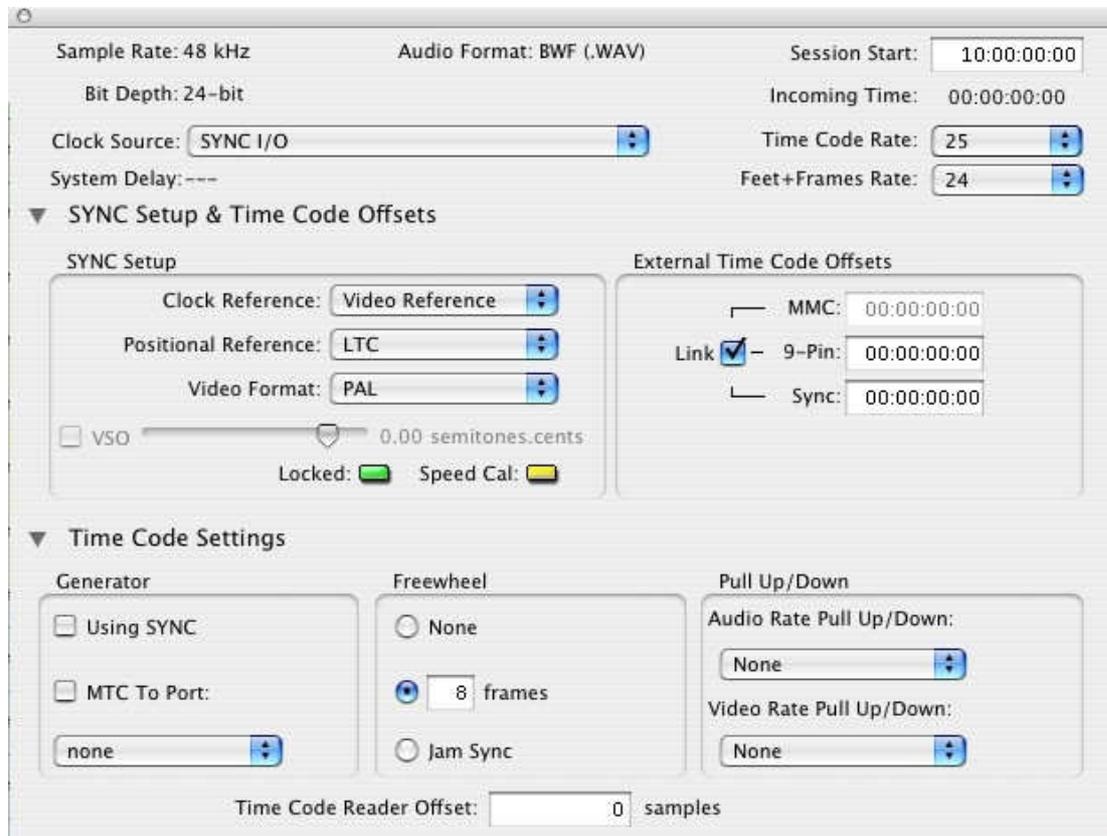
Connect the *Output* port of the PD1 to *Port A* of the USB-422 using a standard 1 to 1 9-pin cable.

Configuring Protocols for use with the PD-1 Session Template

Protocols Setup

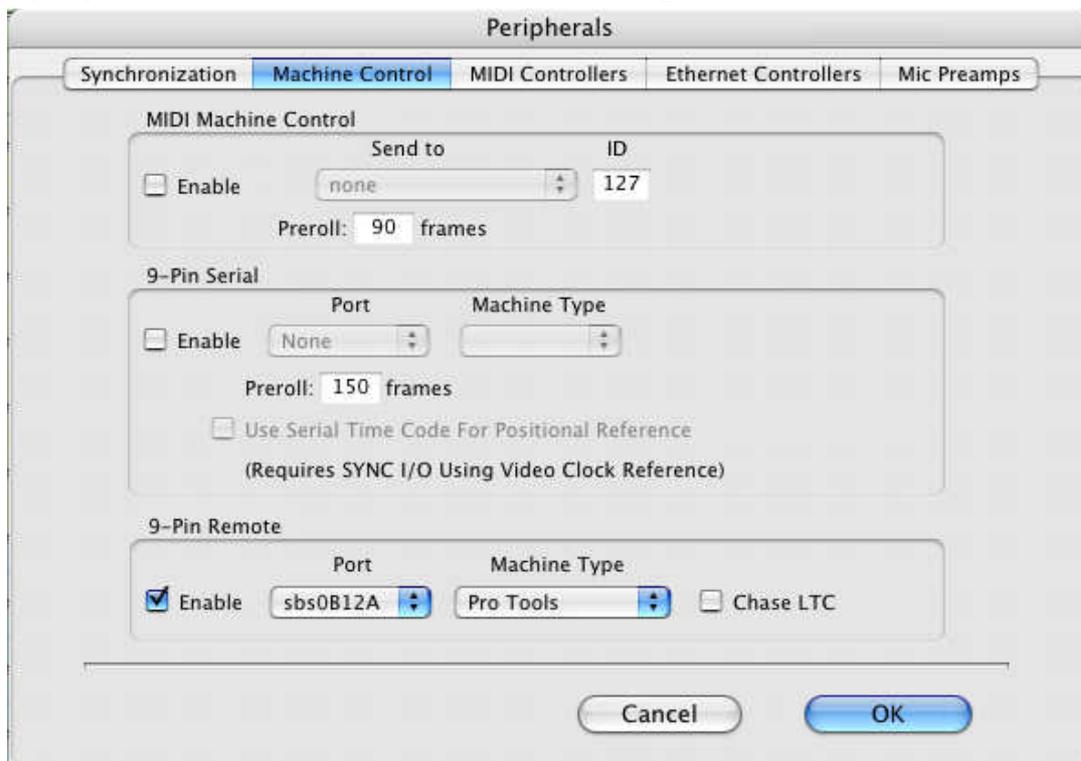
1) Open the PD-1 Template Session.

2) Open the *Setup > Session Setup* dialogue box.



- Ensure that *SYNC I/O* is chosen as the *Clock Source*.
- Choose either *PAL* or *NTSC* as the *Video Format*.
- Choose *Video Reference* as your *Clock Reference*.
- Choose the appropriate *Time Code Rate*.
- Close the dialogue box.

3) Open the *Setup > Peripherals* dialogue box.



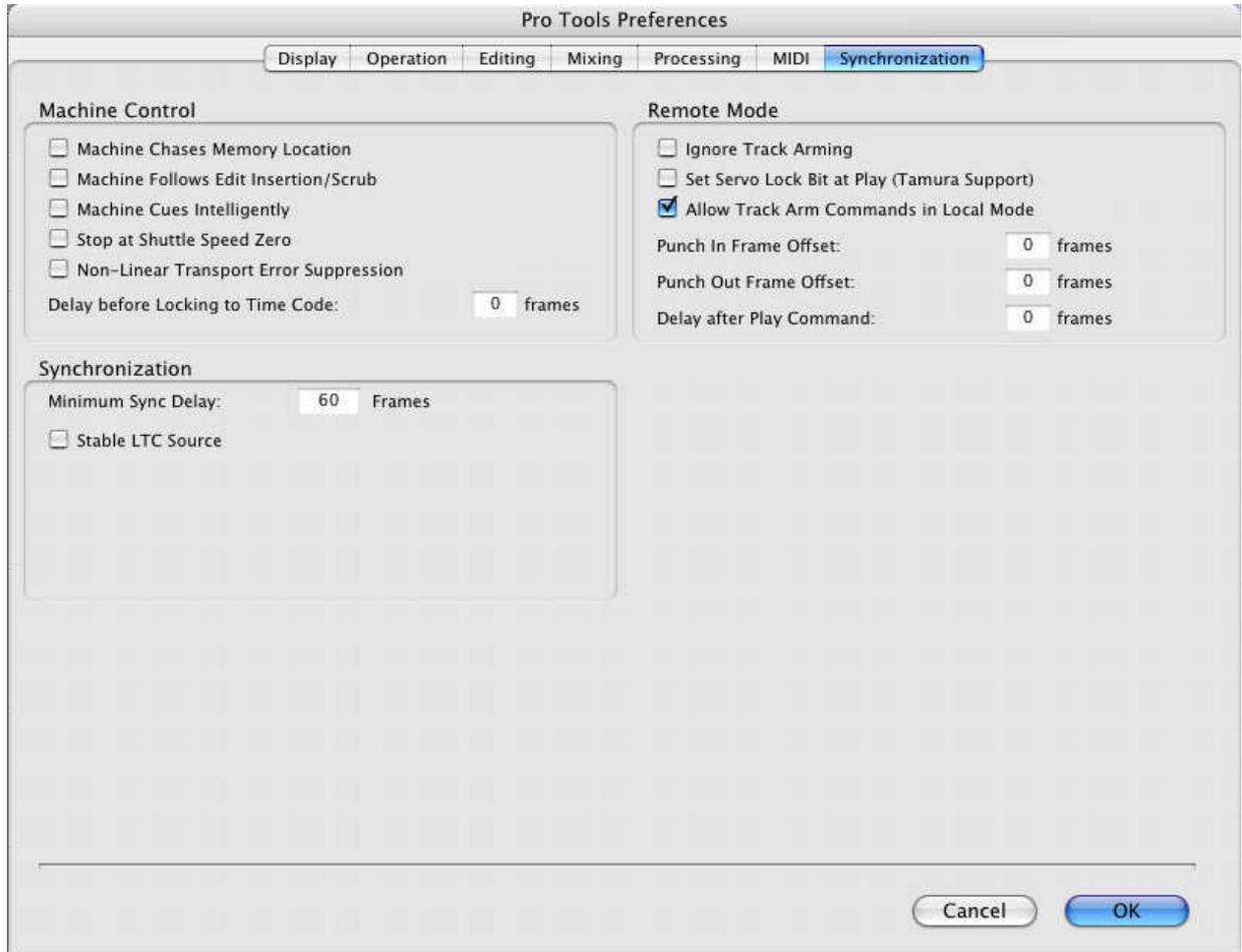
Select the *Machine Control* tab.

- In the *9-Pin Remote* section, check the *Enable* box.
- Choose Port A of the USB-422 in the *Port* drop-down menu.
- Choose *Pro Tools* in the *Machine Type* drop-down menu.
- Click *OK*.

4) Open the *Setup > Preferences* dialogue box.

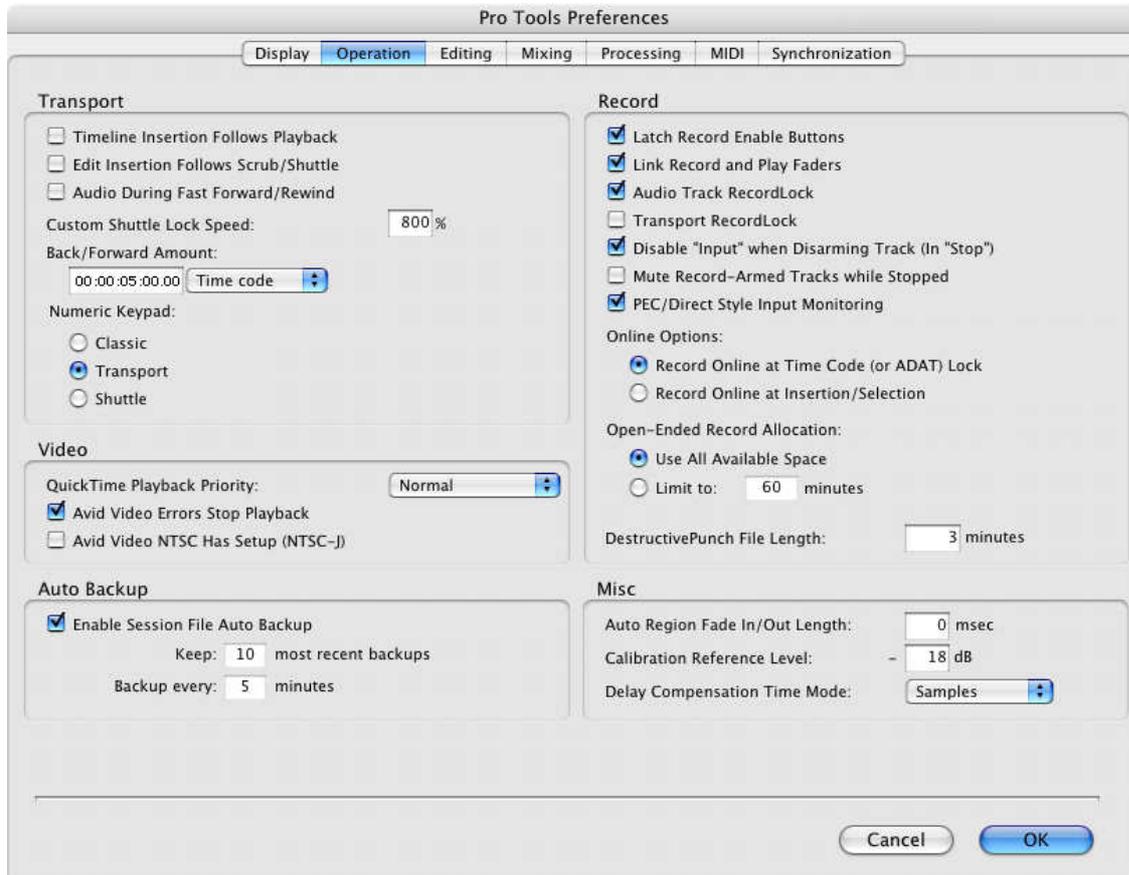
Select the Synchronization tab.

- Check the Allow Track Arm Commands in Local Mode checkbox.



Select the *Operation* tab.

- Check the PEC/Direct Style Input Monitoring checkbox.
- Check that the *DestructivePunch File Length* is appropriate.
- Click *OK*.



Destructive Punch

- 1) Enable *Options > Destructive Punch*, and check that the *Record* key on the transport bar shows 'dp'.
- 2) Select all stem tracks.
- 3) Option-click (Mac) or Alt-click (Windows) on one of the stem tracks' *R* buttons to enable destructive punch recording. Ensure that all *R* buttons on selected tracks are blue.
- 3) Format the stem tracks by clicking on *Options > Prepare DPE Tracks*.

Solo Safe

To allow for 'solo in-place' style operation when recording 'In the Box', solo-safe the stem tracks by Command-Option-clicking (Mac) or Control-Alt-clicking (Windows) on one of the solo buttons.

See Appendix A for screen shots of the I/O Setup and operation

You are now ready for the PD-1 to read the Stem and Track Names

Configuring the PD-1 for use with the PD-1 Session Template

To read and display the track and stem names correctly the PD-1 must be set correctly. In order to do this you will need to know how to....

Navigate the Menu

To enter the menu depress [Shift] and [Assign] simultaneously, after power on the Root Menu will always be displayed, subsequent entries into the set-up will return to the last accessed menu. To exit set-up depress [Shift] and [Assign] simultaneously.

Once in the Set-up Menu the solo keys numbered 1-8 are used to select parameter values, The [Stem ^] key is used to move up the menu tree, the [Assign v] key is used to move down the menu tree. The Root menu is at the top of the menu tree, two separate menu trees can be accessed from the root menu 'Unit' and 'Serial Out' these are accessed using the the numeric keys (Solo).

Selecting the 24 Track Template from the PD-1 Menu

The easiest way to use the ProTools PD-1 session template is to select the example 24 Track template in the PD-1.

Enter the menu

Read the PD-1 Template	
Menu	Setting
Unit > Set to Template	2= 24T Name

Exit the Menu

On exiting the Menu the PD-1 will install the 24 Track Name Template. This will take approximately three seconds.

See Appendix B for definitions the 24 Track Template and the Factory Template

Stem and Track Names

Enter the menu

Read and Assign Track and Stem Names From ProTools	
Menu	Setting
Unit > Track Assign	4=Auto-Stem

Exit the Menu

After reading the stem names the display should show the following

Global 1				Prot 24		00:00:00:00
DX	FX	MX		COMP		

If you expand the Dialog stem (DX) by depressing [Stem] then [Solo 1] the display Will show the tracks that make up the Dialog stem as follows

DX				Prot 24		00:00:00:00
L	R	C	LS	RS	LFE	

When displaying the tracks in a stem the stem LED is illuminated, to return to the Stem display depress the [Stem] key.

Solo Safe

Solo Safe the Comp Stem by holding the Shift key depressed and using the Solo keys

Protecting your settings

After reading the track and stem names *Unit >Track Assign* will be set to *2=T/S Lock*

Protecting Track/Stem Assign and Solo Safe	
Menu	Setting
Unit > Track Assign	3=SS Lock

Using the PD-1 with the RM-6

To use the PD-1 with the RM-6 you must tell the RM-6 on which port the ProTools is connected.

RM=6 Settings when used with the PD-1	
Menu	Setting
Ext>DAW Port for PD-1	Port to which the PD-1 is connected

Note: Setting the DAW port will set the record enable on the selected port, changing the port will not remove the record enable.

Appendix A

I/O Setup

Input
Output
Insert
Bus
Mic Preamps
H/W Insert Delay

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
▶ DX Bus	<input checked="" type="checkbox"/>	5.1	L	C	R	Ls	Rs	Lf																			
▶ FX Bus	<input checked="" type="checkbox"/>	5.1							L	C	R	Ls	Rs	Lf													
▶ MX Bus	<input checked="" type="checkbox"/>	5.1													L	C	R	Ls	Rs	Lf							
▶ COMP Bus	<input checked="" type="checkbox"/>	5.1																			L	C	R	Ls	Rs	Lf	

New Path
Default

New Sub-Path
Controller Meter Path: out 1-8

Delete Path
5.1 Default Path Order ⌵

Import Settings
Export Settings
Cancel
OK

Appendix B

Template: PD-1 Configuration after leaving the menu with Unit > Set to Template set to 2= 24T Name

Menu	Setting
Unit > Stem & Track Name Format	5= Stem Track
Unit > Stem & Track Display	3=Track & Stem
Unit >Number of Global Groups	1=
Unit >Number of Stems	2= 4
Unit >Number of Tracks	3=24
Unit >User group Contents	1= Stems only
Unit >Record Keys	1= Record
Unit >Link Safe to Pec/Dir keys	1=Yes
Unit >Solo Cmd	1= Use Mute
Unit >Solo Safe Setting	1= Internal
Unit >Record Safe Setting	1= Internal
Unit >panel type	1= Master
Unit > Test/Display	1= Norm

Template: PD-1 Configuration after leaving the menu with Unit > Set to Template set to 3= 24T Logical

Menu	Setting
Unit > Stem & Track Name Format	1= Logical
Unit > Stem & Track Display	1= Track
Unit >Number of Global Groups	1=
Unit >Number of Stems	2= 4
Unit >Number of Tracks	3=24
Unit >User group Contents	1= Stems only
Unit >Record Keys	1= Record
Unit >Link Safe to Pec/Dir keys	1=Yes
Unit >Solo Cmd	1= Use Mute
Unit >Solo Safe Setting	1= Internal
Unit >Record Safe Setting	1= Internal
Unit >panel type	1= Master
Unit > Test/Display	1= Norm

ProTools Specific Configuration

Menu	Setting
Serial Out > Stem& Track Name Request	1=Combined

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