

# Pro Tools - Focusrite RED4Pre Surround Sound setup

Connect thunderbolt 2 to thunderbolt 3 adapter to the iMac

Focusrite Control version 2.3.4 is on software in the protocols folder

NOTE DON'T GO TO THE WEBSITE AND INSTALL REDNET THAT WE DON'T NEED IT'S FOR DANTE STUFF!! GET THE INSTALLER OFF SOFTWARE WITH THE GREEN DOT

Install that application

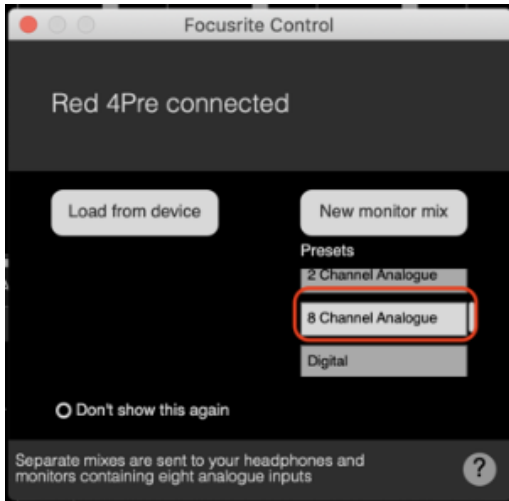
Update the Firmware when you are prompted

The update will download and then power off the Focusrite 4 and reboot the device and then start the upgrade. Be patient you will get a No Device Connected for a few seconds but don't touch anything. Upgrade will start on it's own in a moment.

Open Focusrite Control if you haven't already



You will be prompted with this dialog box

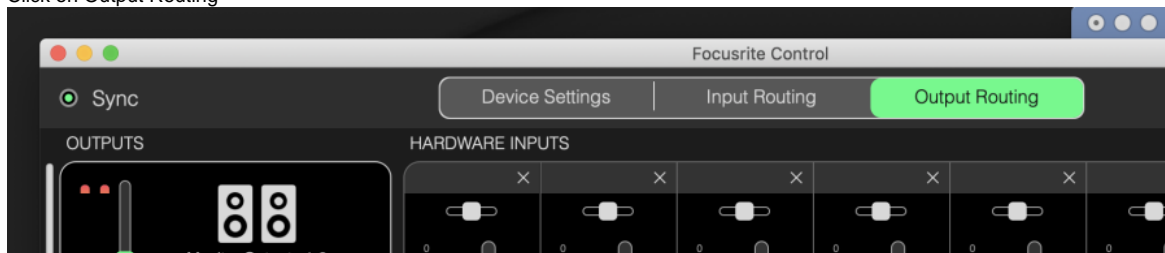


Choose 8 Channel Analogue

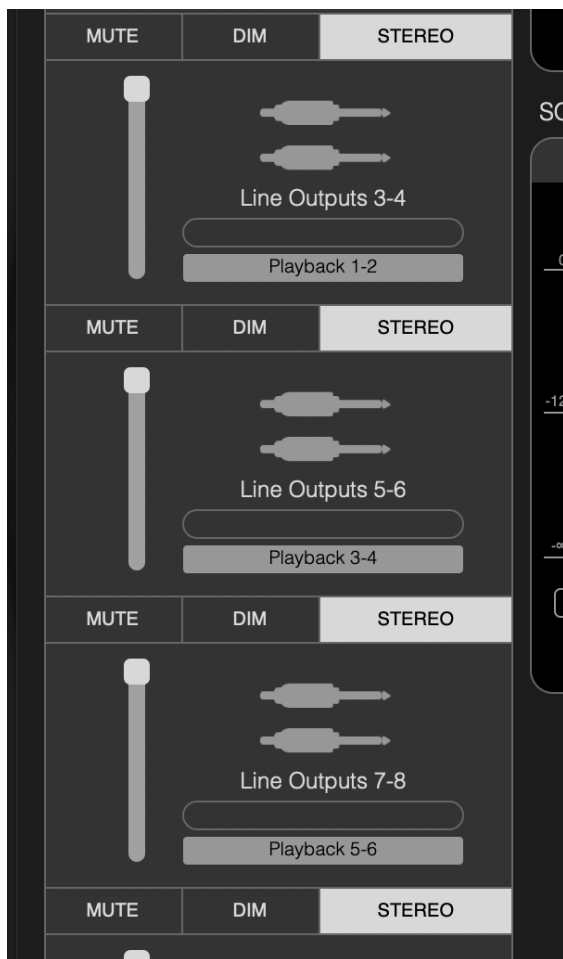
Note make sure that the Focusrite is synced to internal – Clock Source – Internal or else you won't hear anything coming out of the speakers



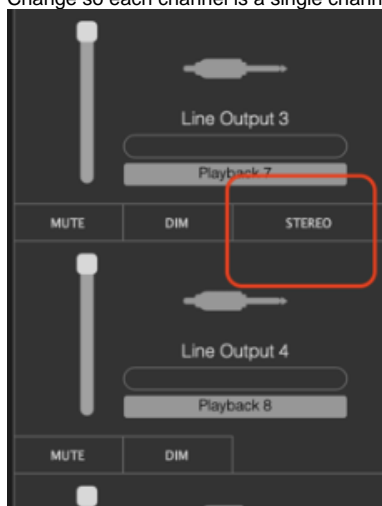
Click on Output Routing



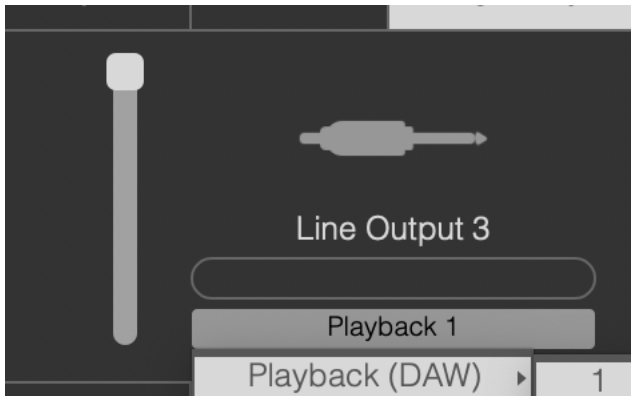
Change Line outputs from stereo to mono do this for 3-4 and 5-6 and 7-8



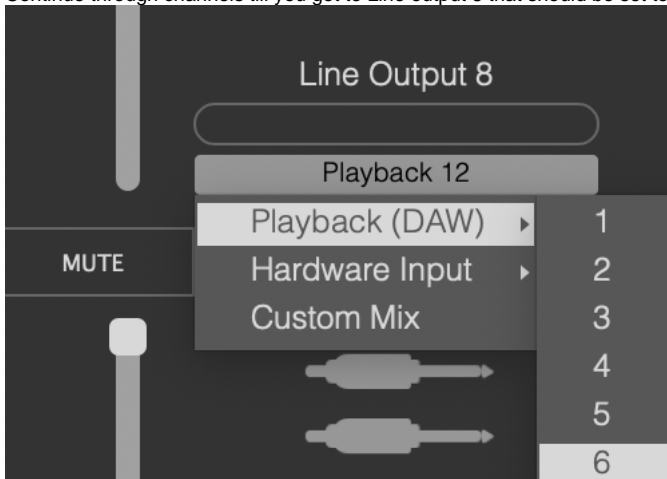
Change so each channel is a single channel see that stereo is not selected anymore in framegrab below



Then change every output from 3 to 8 and need to set that to the start with line output 3

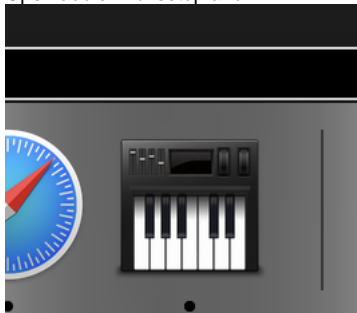


Choose > Playback > Playback DAW – channel 1 example above  
 Output 4  
 Choose > Playback > Playback DAW – channel 2 example above  
 Output 5  
 Choose > Playback > Playback DAW – channel 3 example above  
 Output 6  
 Choose > Playback > Playback DAW – channel 4 example above  
 Output 7  
 Choose > Playback > Playback DAW – channel 5 example above  
 Output 8  
 Choose > Playback > Playback DAW – channel 6 example above  
 Continue through channels till you get to Line output 8 that should be set to 6

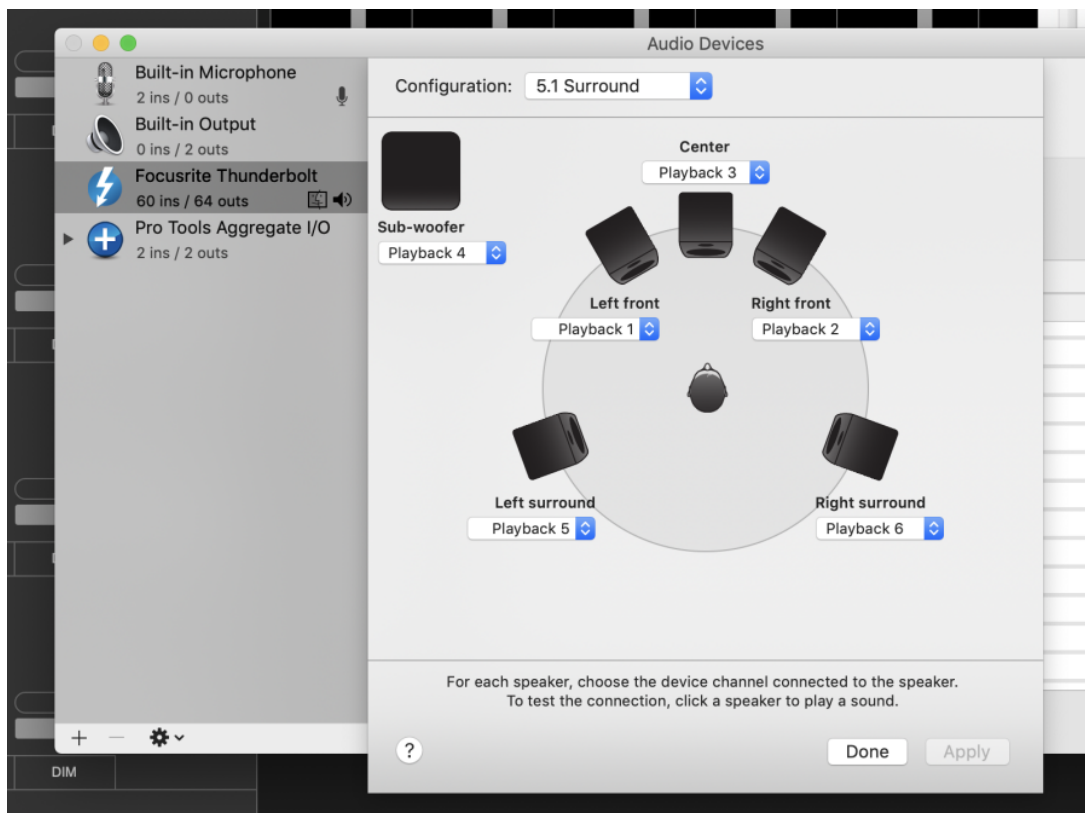


Playback DAW 2 for Line output 4 and so on till you get 6 channels out

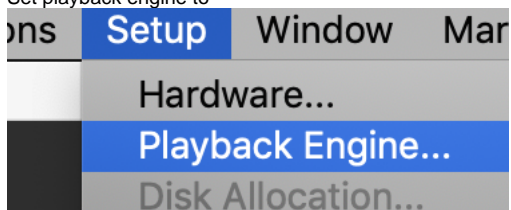
Open audio midi setup and

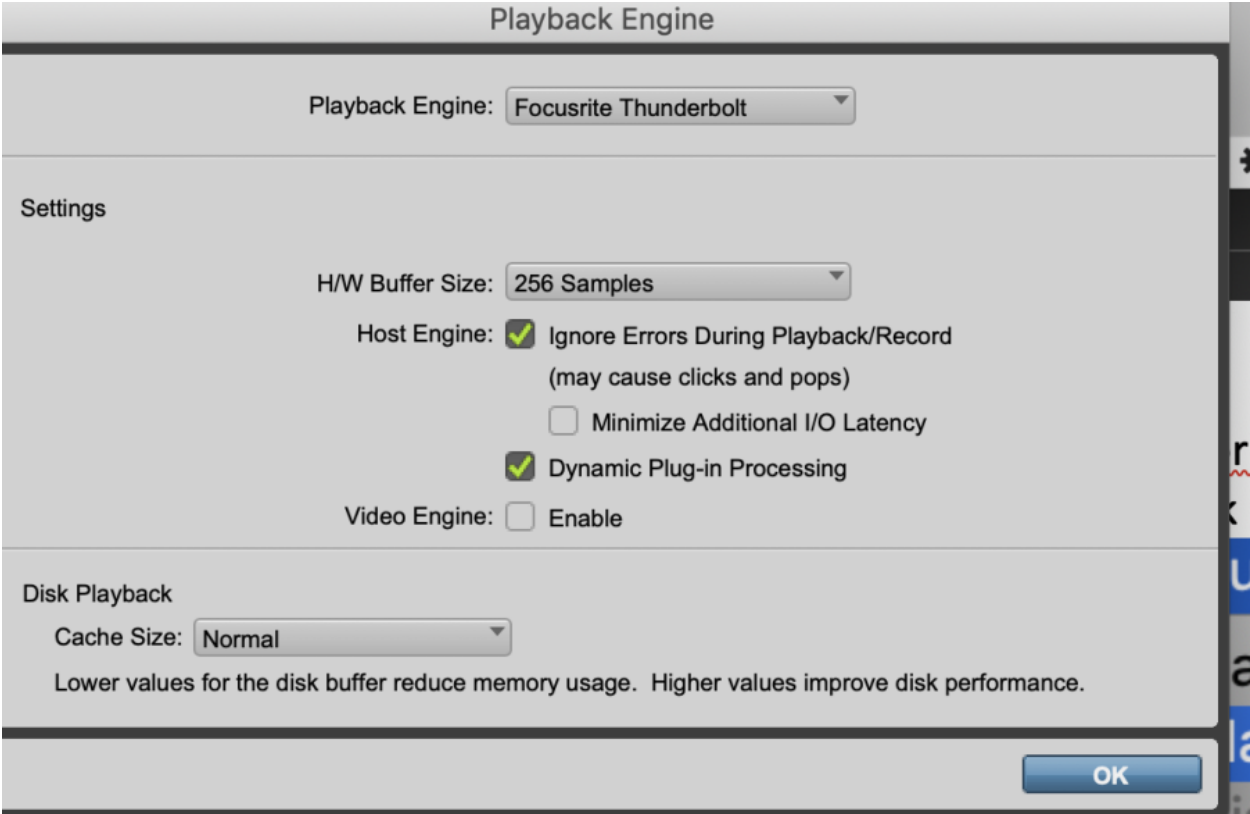


>Focusrite Thunderbolt and 5.1 surround config  
 Each speaker output should send a signal to this cable

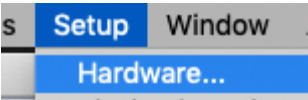
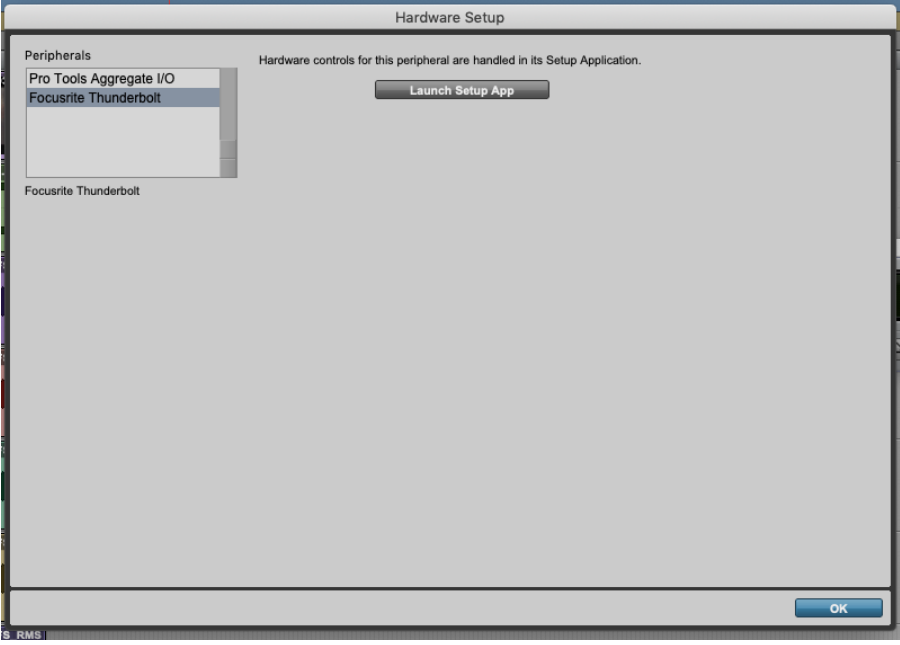


Next open protocols ultimate to get 8 channels output  
Set playback engine to

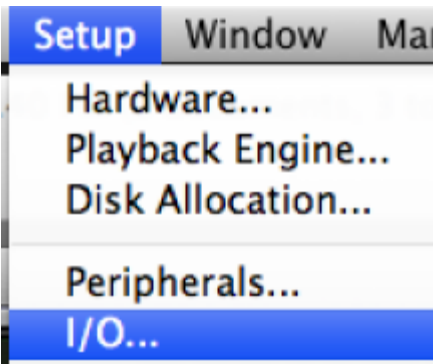




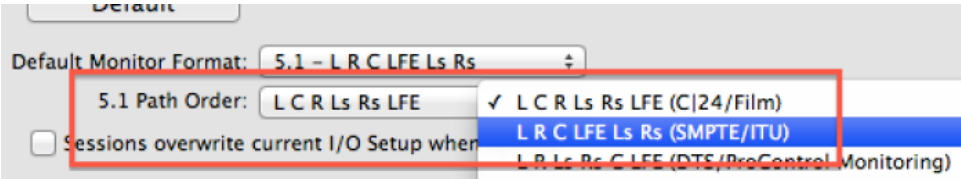
Set to Focusrite Thunderbolt

<p>&gt;Go to &gt;Setup&gt;Hardw are</p>	 <p>A screenshot of the 'Setup' menu. The 'Hardware...' option is highlighted in blue.</p>
<p>Set it to Focusrite Thunderbolt</p>	 <p>A screenshot of the 'Hardware Setup' window. On the left, under 'Peripherals', 'Focusrite Thunderbolt' is selected. A 'Launch Setup App' button is visible in the center. At the bottom right, there is an 'OK' button.</p>
<p>Click OK</p>	

Click on  
>Setup>I/O



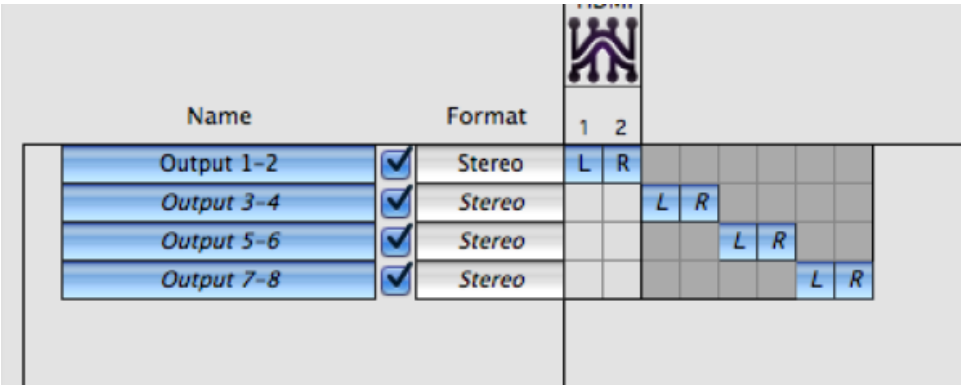
Click on the  
5.1 path order  
and make sure  
the L, R, C,  
LFE, Ls and  
Rs are  
selected



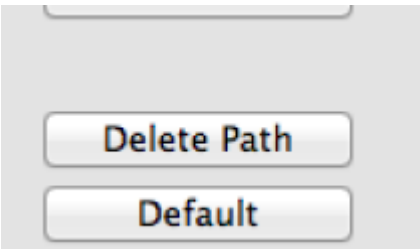
**NOTE IF YOU  
DON'T SEE  
5.1 OPTIONS  
YOU ARE  
NOT IN  
PROTOOLS  
ULTIMATE  
CHECK ILOK  
TO MAKE  
SURE**

**YOU HAVE A  
LICENSE  
ACTIVE**

Select all the  
outputs and  
delete them.



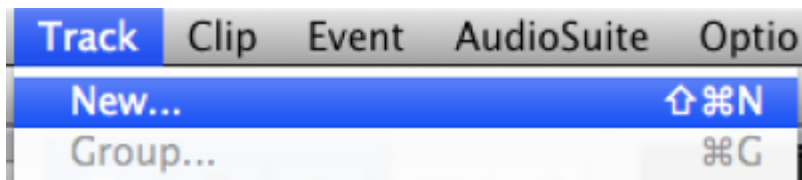
After all the  
outputs are  
selected click  
delete path



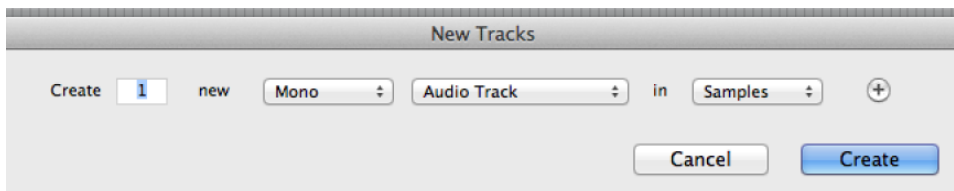
Click Delete	<div><div></div><div>The output path "Output 1-2" is currently being used in the session. If you continue, all assignments to that path will be removed. Volume, mute, and pan automation may be deleted on affected tracks.</div><div><div>Cancel</div><div>Delete</div></div></div>																		
Click on "New Path"	<div><div>New Path...</div></div>																		
Choose to create 1 new track 5.1 and path = Output	<div><div>New Paths</div><div><div>Create</div><div>1</div><div>new</div><div>5.1</div><div>path</div><div>Output</div><div>+</div></div><div><input checked="" type="checkbox"/> Add default channel assignments</div><div><div>Cancel</div><div>Create</div></div></div>																		
The channels will auto populate	<div><div>I/O Setup</div><div><div>Input</div><div>Output</div><div>Bus</div><div>Insert</div><div>Mic Preamps</div><div>H/W Insert Delay</div></div><div><div><div><div></div><div>A - HDMI</div><div>Analog</div></div><table><tr><th>Name</th><th>Format</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th></tr><tr><td><input checked="" type="checkbox"/> Output</td><td>5.1</td><td>L</td><td>R</td><td>C</td><td>LFE</td><td>Ls</td><td>Rs</td><td></td></tr></table></div></div></div>	Name	Format	1	2	3	4	5	6	7	<input checked="" type="checkbox"/> Output	5.1	L	R	C	LFE	Ls	Rs	
Name	Format	1	2	3	4	5	6	7											
<input checked="" type="checkbox"/> Output	5.1	L	R	C	LFE	Ls	Rs												
Click OK to Apply	<div><div><div>Cancel</div><div>OK</div></div></div>																		



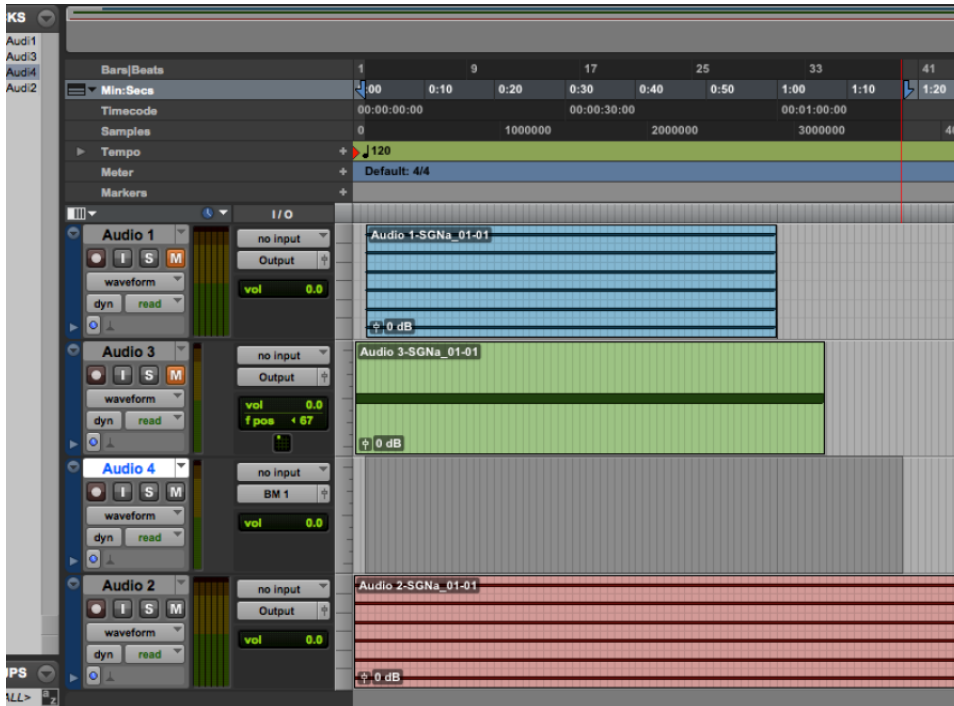
Go to  
>Track>New



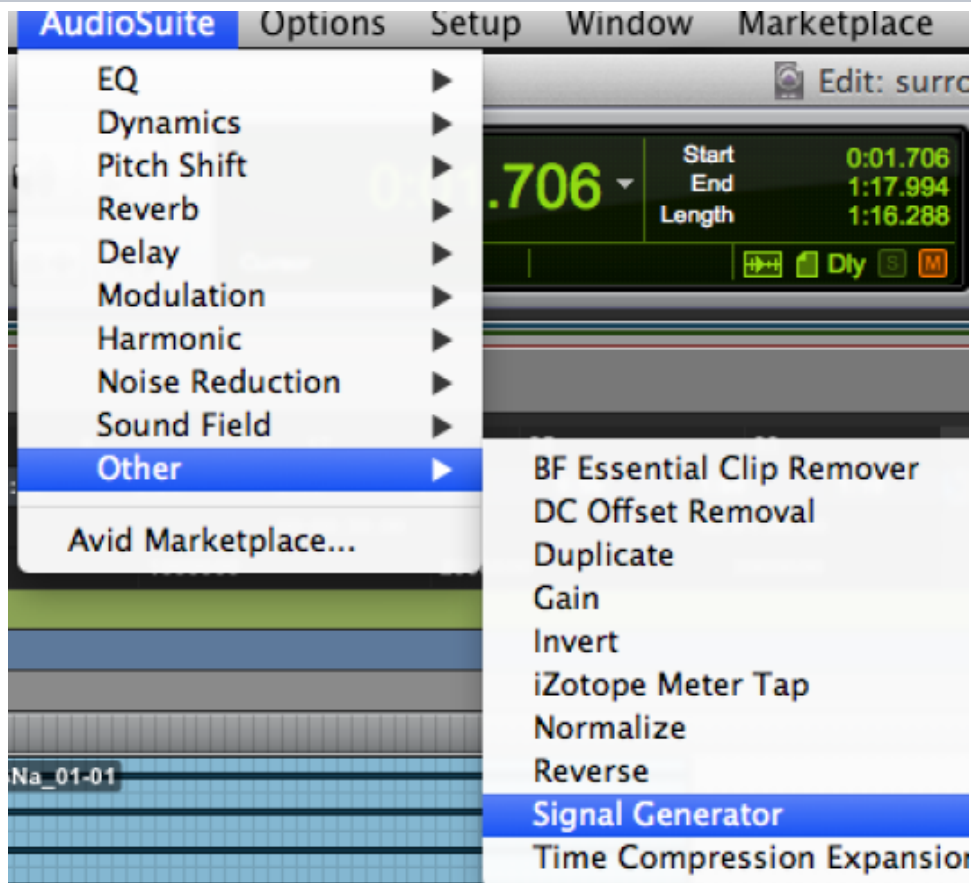
Create a mono  
track and  
create some  
pink noise on  
the track to test



On the new  
track select a  
span of the  
clip to create  
the white  
noise on



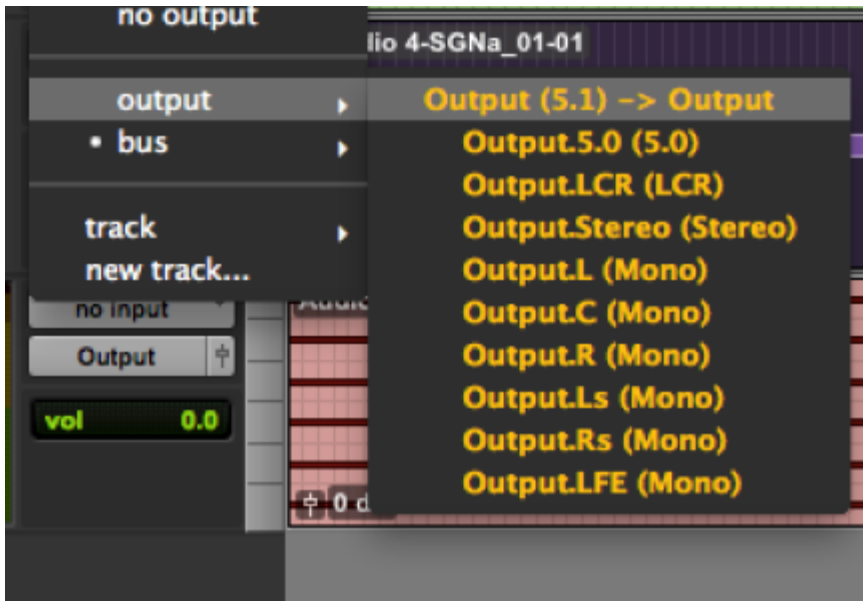
Go to  
AudioSuite>Ot  
her>Signal  
Generator



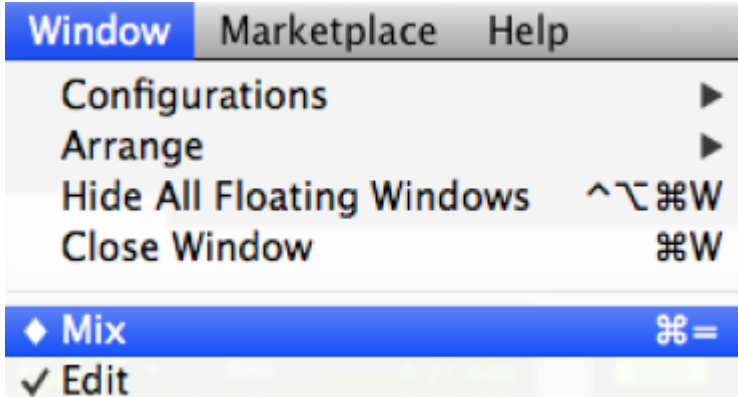
Choose Pink  
Noise



Make sure the Output is Yellow and set to Output 5.1 output



Go To >Window> Mix or click "command ="



In the mix window on the track with the 5.1 output you will see the "Multi Channel" Panner window Drag the dot to each corner to test the output of the system should hear the correct panning for left, right LS and RS **NOTE IF THE OUTPUTS ARE WHITE THEN THIS WONT WORK THE OUTPUTS HAVE TO BE YELLOW TO GET THE MULTI CHANNEL PANNER TO WORK**



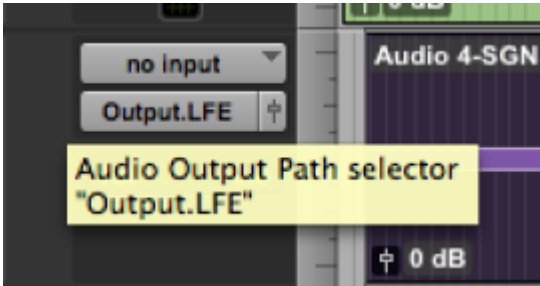
To see the Multichannel fader larger click on the mini fader



This will open the surround window



Note to check LFE



Go to  
Output> Output  
tLFE You will  
have to turn  
up the volume  
on the  
crestron to  
make sure you  
can hear the  
LFE on the test

