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 protools 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 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.



You will be prompted with this dialog box

	Focusrite Co	ontrol	
Red 4	Pre connected		
Load fr	rom device	New monitor mix Presets 2 Channel Analogue	
O Don't d	show this again	Digital	
Separate mixes are sent to your headphones and monitors containing eight analogue inputs			?

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

							• • •
		Focusrite Control					
⊙ Sync		Device Settin	gs	Input Routing	Out	out Routing	
OUTPUTS	HARD	WARE INPUTS					
		×	×	×	×	×	
စိစိ							

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 protools ultimate to get 8 channels output Set playback engine to

ons	Setup	Window	Mar	
	Hard	ware		
	Playback Engine			
	Disk /	Allocation		

Playback Engine				
Playback Engine: Focusrite Thunderbolt	-			
Settings	ł			
H/W Buffer Size: 256 Samples				
Host Engine: 🌠 Ignore Errors During Playback/Record				
(may cause clicks and pops)				
Minimize Additional I/O Latency				
Ø Dynamic Plug-in Processing	r			
Video Engine: Enable	5			
Disk Playback	ι			
Cache Size: Normal				
Lower values for the disk buffer reduce memory usage. Higher values improve disk performance.				
ок				

Set to Focusrite Thunderbolt

>Go to >Setup>Hardw are	s Setup Window Hardware
Set it to	Hardware Setup
Focusrite	Decidents
Thunderbolt	Peripherals Hardware controls for this peripheral are handled in its Sotup Application. Pro Tools Aggregate I/O Focusnite Thunderbolt Launch Sotup App
Click OK	
Click OK	Focusrite Thunderboit
	ОК
	8 RMS

Click on >Setup>I/O	Setup Window Mail Hardware Playback Engine Disk Allocation Peripherals I/O
Click on the 5.1 path order and make sure the L, R, C, LFE, Ls and Rs are selected	Default Monitor Format: 5.1 - L R C LFE Ls Rs \$ S.1 Path Order: L C R Ls Rs LFE ✓ L C R Ls Rs LFE (C 24/Film) Sessions overwrite current I/O Setup wher L R C LFE Ls Rs (SMPTE/ITU) L R Ls Rs C LFE (DTS/PreCentrel Monitoring)
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 ouputs and delete them.	××
	Name Format 1 2 Output 1-2 Stereo L R Image: Stereo Image: Stereo Output 3-4 Stereo Image: Stereo Image: Stereo Image: Stereo Image: Stereo Output 5-6 Stereo Image: Stereo Image: Stereo Image: Stereo Image: Stereo Output 7-8 Stereo Image: Stereo Image: Stereo Image: Stereo Image: Stereo
After all the outputs are selected click delete path	
	Delete Path Default

Click Delete	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. Cancel Delete
Click on "New Path"	New Path
Choose to	· ·
create 1 new track 5.1 and path = Output	Create 1 new 5.1 path Output +
The channels will auto populate	Input Output Bus Insert Mic Preamps H/W Insert Delay A-HDMI Analog Name Format 1 2 3 4 5 6 7 Output 5.1 L R C LFE Ls Rs
Click OK to Apply	Cancel OK

Go to >Track>New	Track Clip Event AudioSuite Optio
	New 企業N
	Group acu
Create a mono track and create some	New Tracks
pink noise on the track to test	Create 1 new Mono + Audio Track + in Samples + +
	Cancel Create
On the new track select a	
span of the clip to create the white	Audid BansiBeats 1 9 17 25 33 41 Audid Min:Secs 000 0:10 0:20 0:30 0:40 0:50 1:00 1:10 1:20 Timescode 00:00:00:00 00:00:30:00 00:00:01:00:00 3000000 400
10150 011	▶ Tempo ▶]120 Meter ▶ Default: 4/4 Markers ▶
	Image: Solution of Soluti
	vol 0.0 dyn read vol 0.0
	Audio 3 no input ISM Output waveform vol
	dyn read Y fpos < 67 O A O dB
	ISIN BM 1 waveform vol
	Audio 2 SGNa 01-01
	PS C C C C C C C C C C C C C C C C C C C



Make sure the Output is Yellow and set to Output 5.1 output	no output	lio 4-SGNa_01-01
	output 🕨	Output (5.1) -> Output
	• bus •	Output.5.0 (5.0)
		Output.LCR (LCR)
	track 🕨	Output.Stereo (Stereo)
	new track	Output.L (Mono)
	no input	Output.C (Mono)
	Output 🛉 🗕	Output.R (Mono)
		Output.Ls (Mono)
	401 0.0	Output.Rs (Mono)
		Output.LFE (Mono)
Go To >Window> Mix or click "command ="	Window Marketp	lace Help
	Configurations	•
	Arrange	•
	Hide All Floating	Windows ^て第W
	Close Window	жw
	♦ Mix	= 8
	✓ Edit	





