ProTools - HDMI 5.1 Surround setup Crestron Studios and Classrooms

Crestron Touch panel

1. Click home>Advanced>Surround Settings>Make sure surround settings are set to auto

Choose Surround Sound

1. Make sure surround settings are set to auto
1. Make sure the front panel of the decoder in the rack states HDMI and PCM – should look like this frame grab.

Launch the Audio MIDI Setup tool. Click HDMI and Output > Choose 8ch-24 bit Integer.
Choose Configure Speakers. Multichannel 5.1 Surround and set to these settings below. Click Apply.
Click Apply and Done and Close the Audio Midi Setup Tool.

Launch ProTools
Open a session

Check the Playback Engine>
go to >Setup>Playback Engine
Make sure the HDMI output is selected and you will need to restart if it is not already selected.

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

Select all the outputs and delete them.
After all the outputs are selected click delete path

Click Delete

Choose to create 1 new track 5.1 and path = Output

The channels will auto populate
Click OK to Apply

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>Other> 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

drag the dot to the corners of the window to pan the surround output

Audio Output Path selector "Output.LFE"
You will have to turn up the volume on the crestron to make sure you can hear the LFE on the test.