This WIKI will troubleshoot getting the Video and Audio Interface to display image on the monitor and audio through the speakers

First Quit all applications and Shut down the computer

Disconnect the Thunderbolt cable that is going into the cable run under the desk. This connects to our Blackmagic Designs Input and Output box. We are power cycling the box by unplugging the cable.
Plug the cable back into the thunderbolt connection on the MacPro

Turn on the Mac Pro with the Power button
Next go to >Apple>System Prefs

Go to Blackmagic Design Desktop Video pref and double click it to open

Should see Desktop Video Utility - Artist DNxIO

Click on the Preference Icon shown here
Click on the Audio Tab

Make sure it is set to XLR
4K Video Settings

Video Output

Default Video Standard
4K DCI 23.98 Or 4K DCI 24p

SDI Output set to
Color Space Y, Cb, Cr, 4:2:2
1080p HD and 2K is set to 1080P not PSF

SDI set to Quad Link!!
2K Video Settings

Output format Select this and choose

2K DCI 23.98p or 24p

from the Dropdown

Click on Save

SDI Output set to

Color Space Y, Cb, Cr, 4:2:2
1080p HD and 2K is set to 1080P not PSF

SDI set to Quad Link!!

Click Save to save the preferences
Quit the Blackmagic Utility

Open Davinci Resolve

Set the Monitoring for the Desktop Display on the desk

Go To Davinci Resolve

Preferences

Set the Video and Audio I/O to Artist DNxIO
You need to save your project and close Resolve and open it again if the I/O was updated.

Setup for Davinci Resolve>Go to your project settings in the lower left corner of the application.
4K Settings!!

Project Settings > Master Project Settings

Timeline Format

**Timeline resolution - Choose 4096 x 2160 DCI**

![Timeline Format](image1)

Video Monitoring -

**Video Format - Choose 4K 2160p 23.976**

SDI Configuration > Quad Link

Data Levels Video

Video Bit Depth > 10Bit

![Video Monitoring](image2)

Click Save to apply settings
2K Settings!!

Project Settings > Master Project Settings

Timeline Format
Timeline resolution - Choose 2048 x 1152 2K 16:9

Video Monitoring -
Video Format - Choose 2K 1080p 23.976

SDI Configuration > Quad Link

Data Levels Video

Video Bit Depth > 10Bit

Click Save to apply settings
Turn On TV by pressing the Monitor button on the Sony Remote on top of the AVID Artist DNxIO

The 4K Sony TV will turn green when it is fully on but the remote won't change at all. So don't keep hitting the Monitor On/Off button!!

- If working in 4K, press Button 1 once
- If working in 2K, press Button 2 once
- If working in HD, press Button 5 once

*In all instances, you will always be working in the Input Setting #1. This is the calibrated setting for this monitor!

Davinci Project should be setup correctly now.

Next is the AVID setup

Open AVID
There is a button on the timeline that sometimes gets turned off make sure the Hardware Active Button is on in AVID

For Adobe Premiere

Open Premiere > Set Playback settings by going to Premiere Pro CC > Preferences > Playback
Click on Playback>Audio Device Blackmagic Playback

Video Device Blackmagic Playback

Click OK

Audio Monitoring make sure all the buttons shown here are pressed.

Volume is adjusted but turning up the AUX Input

Turn up volume using the big main knob
Note if you wanna hear computer audio not through AVID or Resolve then choose System Prefs. > Line Out

Make sure the mini plug is plugged into the Line Out