Audio

[UNDER CONSTRUCTION…]

Powering on the system:

1. Mixer (power button is on the back right above the main Power cable)
2. Computer (power is just below the pink Dante cat-7 cable)
3. Speakers (via Siemens panel –> turn on all **odd numbered** outlets on the second spotlight page [add image(s)])

Audio output (from computer):

- Audio output should be set to Dante in Audio software
- NOTE: It's best to keep the system output set to “Internal Speakers” to avoid loud/annoying beeps
- Sample rate should be set to 48 kHz
- **IMPORTANT: the system often takes 5-10 minutes to establish the connection from the computer to ALL speakers.**. This issue is duets the system having more that 32 total Dante devices (the limit of a single interface).

Using the mixer:

- If it's not already loaded, be sure that **SCENE 101 HELLOWORLD210713** is loaded [update this, add picture(s)]
- **To Do:** add overview of different scenes (i.e. default multichannel, multichannel + minijack, (front, rear, both)
- 37 main output channels are connected to the speakers by default (access via Dante ch. 1-37)
- 4 subwoofer output channels are connected to the speakers by default (access via Dante ch. 45-48)
- the omni ins are channels 49-56 **(the minijack input are channels 49-50)**
- The master faders for the mains and subs are the two on the righthand side of the mixer. **PLEASE BE CAREFUL TO START WITH THE FADER AT -∞ AND SLOWY RAISE THE VOLUME TO AN ACCEPTABLE LEVEL.**. Typically levels between -10 and 0 are ideal.
- all input faders should be set to 0 dB
- output faders (in the output section (LS 01 - 30 + SUB 1 & 2) should be set to -20

Troubleshooting:

[reorganize/expand this/add images…]

I'm not getting any sound!

It's best to go in a linear fashion from source (computer) to destination (speakers) –> need to sort this better (maybe add a check system diagram/specific “do you see ___, if yes/no then)...

- Double-check that everything is powered on
- **You may need to wait for up to 10 minutes for all the connections to be established** (although typically at least some of the speakers play right away after power up).
- make sure you've selected Dante 64 as the audio output in your software [add: examples in Max, Reaper]
- open Max and use **Audiotester_64_ch** (in the Extras menu) –> set source: **Pink noise**, Step Out1 from **Chan. 1** to **Chan. 48**, **click the button** on the left to start the test
- Do you see any lights on the meters for channel 1 and 2 on the mixer?
- Reload the default mixer setting (**SCENE 101 HELLOWORLD210713**)
- add separate instructions for minijack...

Audio Networking

From:
https://wiki.zhdk.ch/IASpace/ - **immersive art space**

Permanent link:
https://wiki.zhdk.ch/IASpace/doku.php?id=audio

Last update: **2021/07/16 17:46**