

## Keyboard Lab instructions

This will guide you through the process of using the Keyboard Lab for your classes.

Before you start using the studio, it's essential to familiarise yourself with the equipment. Here's a little overview:

- **Computers:** There are 13 Apple MacMini running Logic Pro, Ableton Live, Sibelius, Reaper, Final Cut, etc.



- **Audio Interfaces:** The audio interfaces installed are ***Focusrite 4i4*** connecting the midi keyboard and any other external audio source to the computer for monitoring, recording and playback.



- **Rack Mixer:** Each student workstation is directly connected to the *ART MX822 rack mixer* located to the right of the teacher's workstation. Each computer has its own number (#1, #2, #3, etc.) corresponding to a dedicated channel on the rack mixer.



- **Monitoring:** The mixer above outputs to a pair of wall mounted *Genelec 8040c* speakers that are used for playback. A set of headphones is also available for any computer.



- **Computer Monitor and Tv Screens:** These two screens are both connected to the MacMini positioned at the front of the room for the teacher. The MacMini needs to be set to “Mirror for Built-in Display”, this way everything the teacher sees the students will see too.



#### INSTRUCTIONS:

- Make sure all the computers are turned on, this should be done already.
- Make sure the keyboards are turned on, volume knob is at max and the output volume knob of the audio interfaces is all the way up.
- Turn both tv screens attached to the wall on.
- Make sure the two **rack mixers** are turned on and set **MASTER VOLUME knobs** at **6** (see *image 1*)
- The teacher can control the volume of each student computer with the LEVEL knobs (see *image 2*) on the rack mixers.



## Troubleshooting:

- If the computers are not turned on please contact AV Support.
- If the tv screens are not mirroring the computer monitor, make sure to change the input signal to HDMI mode.
- If the audio interface is not lit-up but the computer is on, this may mean that it has become unplugged. Make sure that the USB-C cable is plugged into the back of the audio interface and the MacMini.
- If the piano's are not working, check the volume control at the front of the room and the MIDI connection to the audio interface (see *image 3*).
- If the speakers attached to the wall are off, these should automatically come on when they receive a signal.



*image 3*