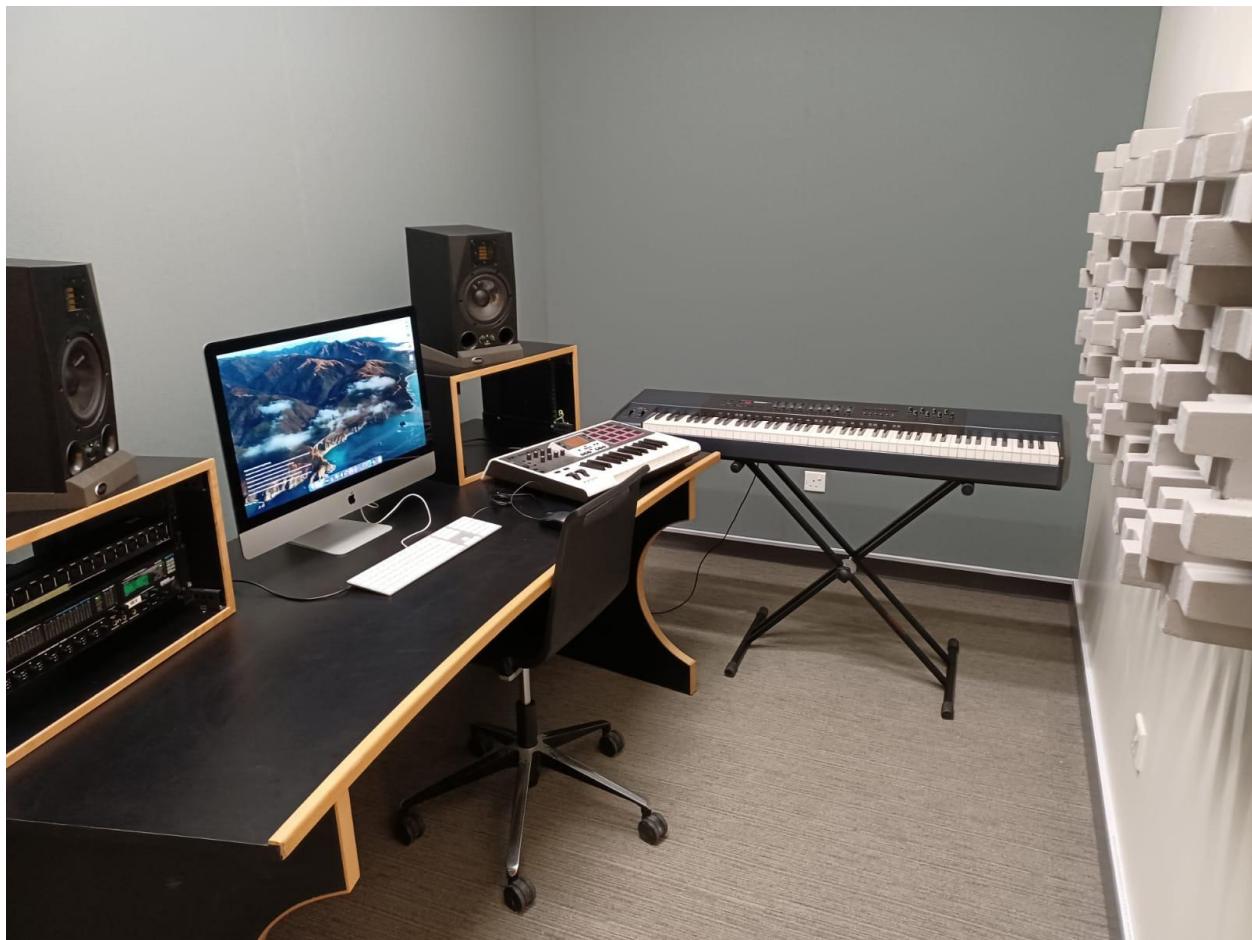


# How-To Guide - Room 138

The following guide ensures correct operation of the components in this space.



This room consists of the following setup from left to right:

- |                        |   |                               |
|------------------------|---|-------------------------------|
| Adam A7X               | - | Speakers                      |
| M-Audio Axiom 49       | - | Midi Controller keyboard      |
| Motu ultralite 896 MK3 | - | Multi Channel Audio Interface |
| XLR                    | - | Patchbay                      |
| Apple Imac             | - | Audio Workstation             |
| M Audio Oxygen 88      | - | Midi Controller keyboard      |

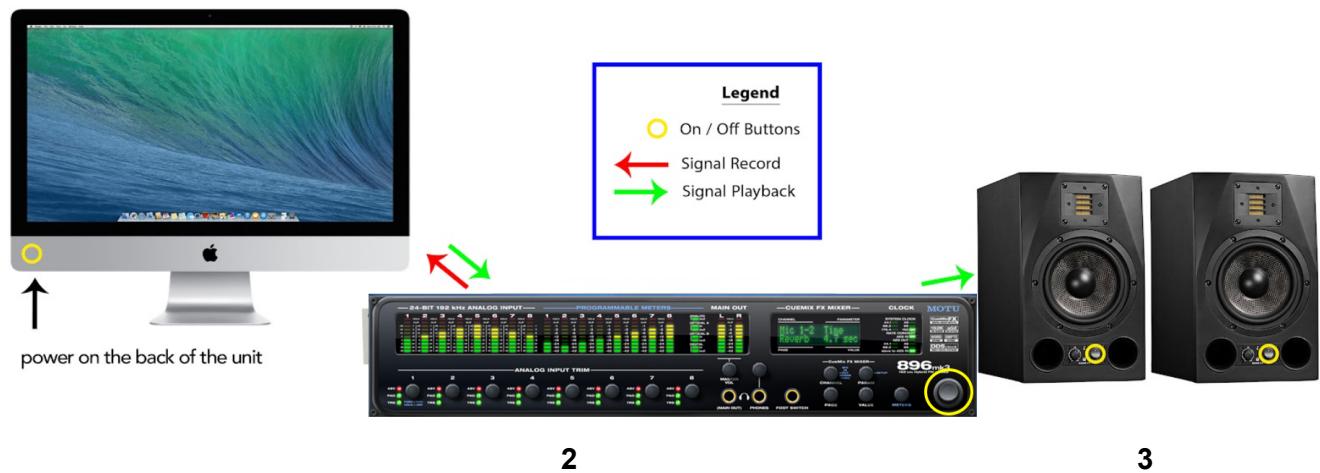
## **FUNCTION:**

The Music Composition / Editing Room has the capability to record up to 8 analog input signals in real time: a combination of 8 mic **or** line level signals.

# SOUND Playback

## Switching Off and On

Below picture shows the main setup in this space. Initially it is a connection between the IMAC workstation, the soundcard and the speakers directly.



## **Switching On procedure:**

- 1 - the IMAC workstation
  - 2 - the Motu Audio Interface.
  - 3 - the two Speakers.

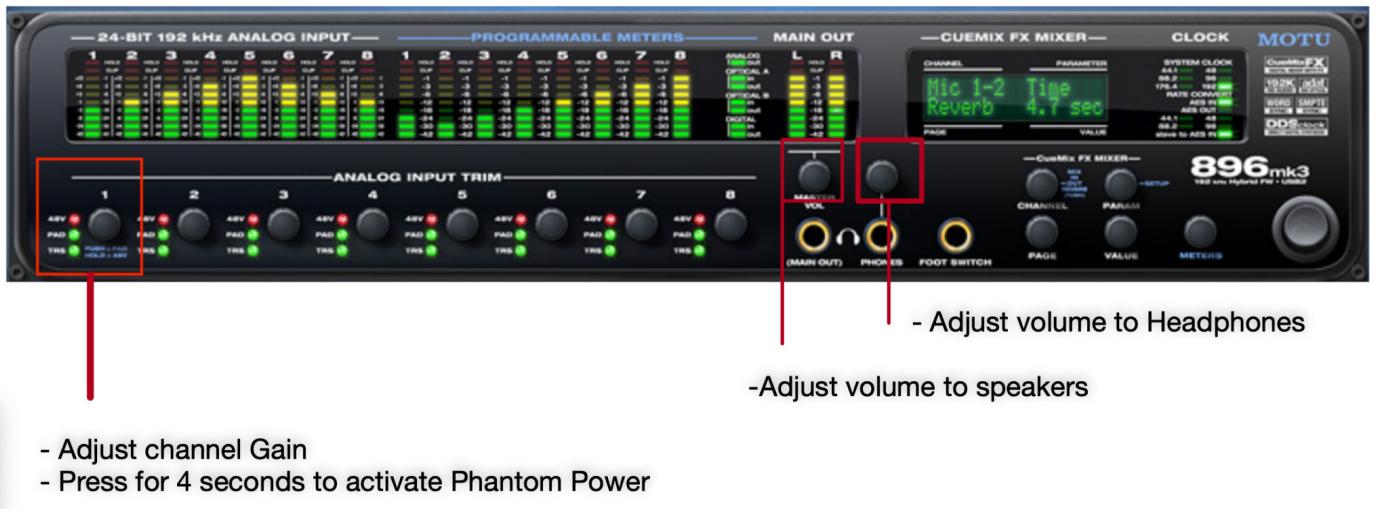
**Switching off** procedure same as above in reverse order.

- 1 - the two Speakers
  - 2 - the Moltu Audio Interface.
  - 3 - Shutting down the IMAC.

# SOUND Playback

## The Audio Interface unit:

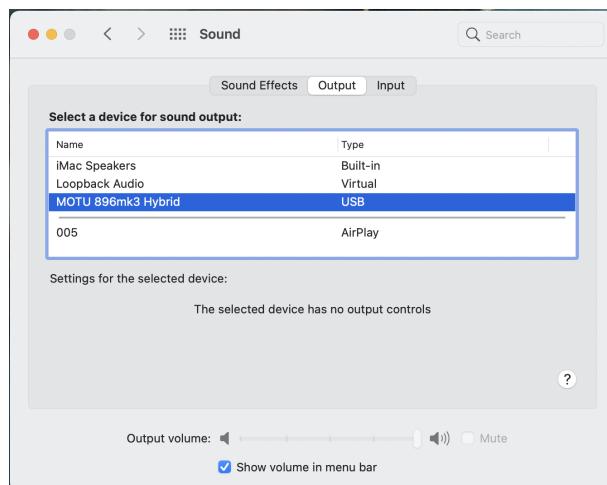
The Motu Audio Interface unit is an integral component of this space.



MONITOR: Volume to ADAM Speakers  
Headphone 1 socket: Volume to headphone 1

## The Computer settings:

Computer settings need to be selected as in below picture in:  
**System Preferences => Sound**



# SOUND Recording

## Recording Virtual Instruments / Midi

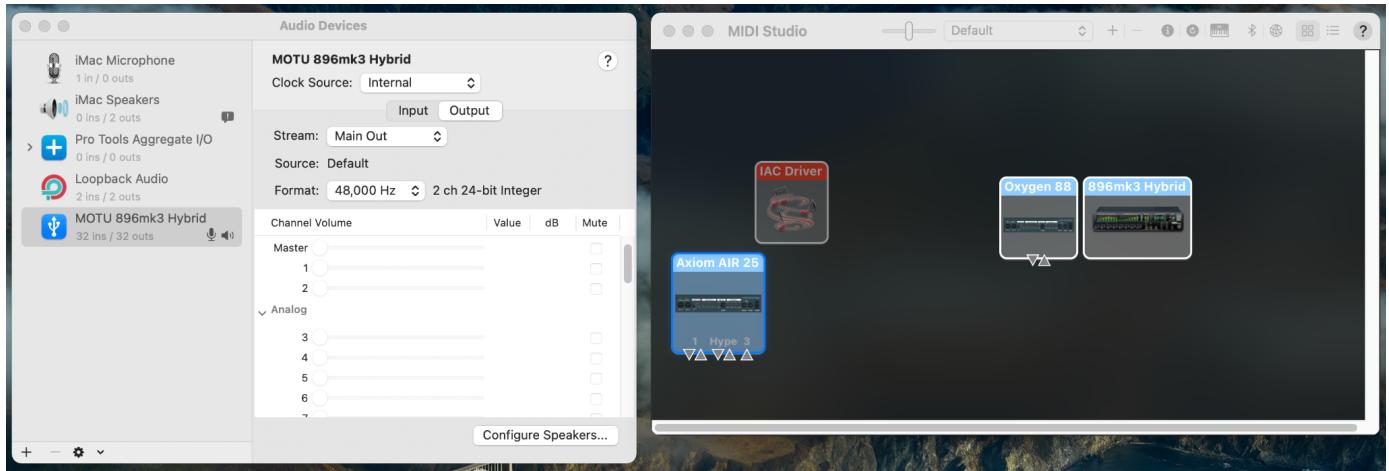
You have essentially 2 MIDI controllers which can be used to enter MIDI data:

- The M-Audio Axiom 49
- The M-Audio Oxygen 88

If you have difficulties setting up any of these Controllers in your respective Audio software, do the following:

1. Make sure the unit is connected via USB to the computer
2. Switch the device off and on again
3. Check Applications => Utilities => **Audio Midi setup** => Window: Show MIDI Studio

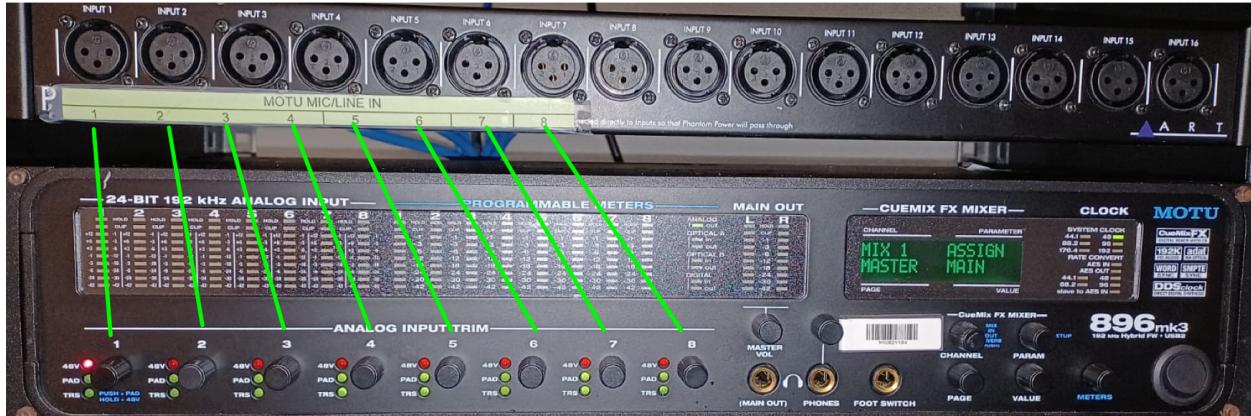
Below settings highlighted in green should be the default.



If you can't receive any MIDI signal, check with the music department in Office 107 or send an email to: [nyuad.music@nyu.edu](mailto:nyuad.music@nyu.edu).

## THE RACK UNIT:

If you intend to connect or use external gear like microphones, Guitars, synthesizers you would need to know the signal flow between the devices in the Rack to successfully capture a sound source.



**Initially the signal flow is through the XLR Patchbay.** Any signal connected there will go to the Motu Audio Interface as indicated on the patchbay.

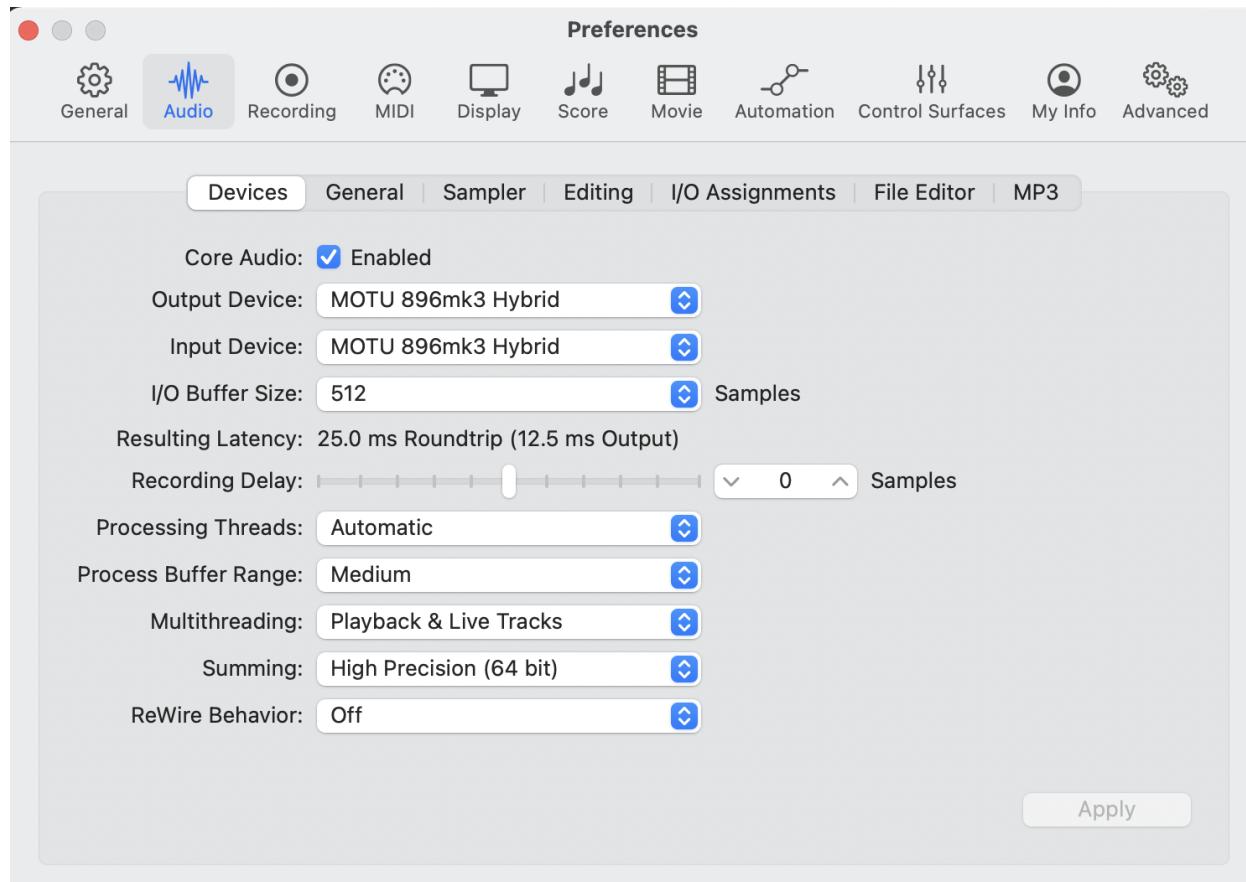
As you can see, the first eight inputs on the XLR patch bay are routed to the **MOTU 896mk3** MIC/Line in, which is routed to your DAW. These 1-8 inputs correspond to your 1-8 inputs in your DAW. You can set levels directly on the **MOTU 896mk3** by using the trim knobs numbered 1- 8 and locate settings via **MOTU CueMix FX** software located on the dock. See below:



Below is a signal FLOW CHART:

PATCHBAY	Motu Hardware unit	DAW INPUT
<b>MIC/Line IN 1</b>	<b>MIC/Line IN 1</b>	<b>Input 1</b>
<b>MIC/Line IN 2</b>	<b>MIC/Line IN 2</b>	<b>Input 2</b>
<b>MIC/Line IN 3</b>	<b>MIC/Line IN 3</b>	<b>Input 3</b>
<b>MIC/Line IN 4</b>	<b>MIC/Line IN 4</b>	<b>Input 4</b>
<b>MIC/Line IN 5</b>	<b>MIC/Line IN 5</b>	<b>Input 5</b>
<b>MIC/Line IN 6</b>	<b>MIC/Line IN 6</b>	<b>Input 6</b>
<b>MIC/Line IN 7</b>	<b>MIC/Line IN 7</b>	<b>Input 7</b>
<b>MIC/Line IN 8</b>	<b>MIC/Line IN 8</b>	<b>Input 8</b>

Lastly, be aware that the interface is set up in the Audio Preferences of your Software. Below is an example in Logic Pro X. You must hit Apply Changes!



**HAPPY RECORDING in 138.**

For troubleshooting, please send an email to: [nyuad.music@nyu.edu](mailto:nyuad.music@nyu.edu)