How-To Guide - Room 136

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

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

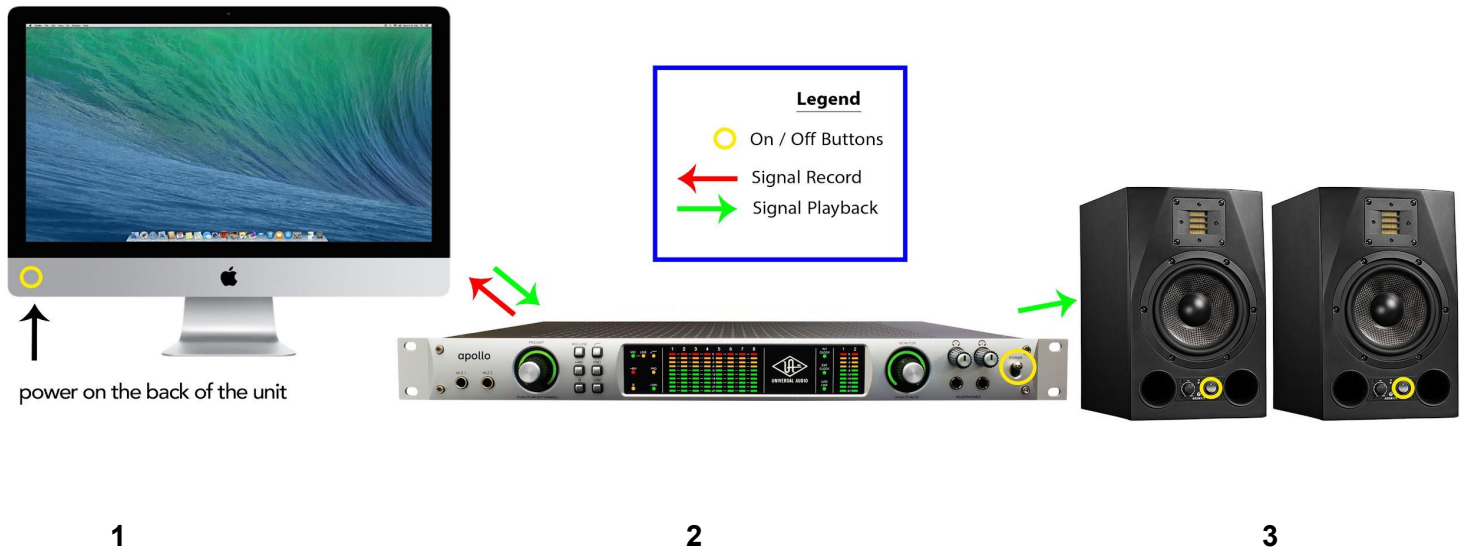|		
Yamaha HS8	-	Speakers
UAD Apollo	-	Multichannel Audio Interface
Korg	-	Korg M3
XLR	-	Patchbay
Apple Imac	-	Audio Workstation
Avalon AD 2022	-	2 channel Microphone Preamp

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.

Legend
○ On / Off Buttons
← Signal Record
→ Signal Playback

power on the back of the unit

1   **2**   **3**

Switching On procedure:

1   -   the iMac workstation

2   -   the Apollo Audio Interface.
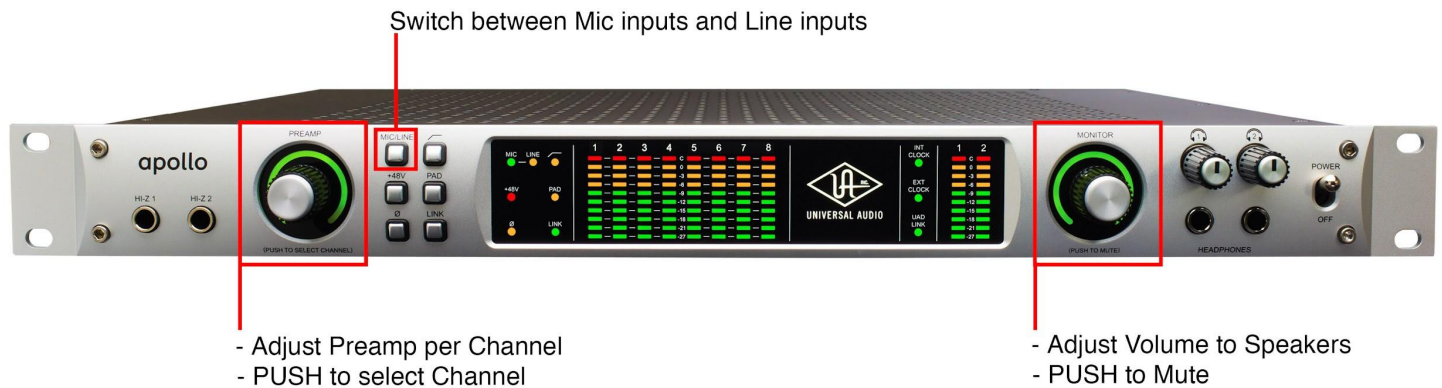
3   -   the two Speakers.

Switching off procedure same as above in reverse order.

1   -   the two Speakers

2   -   the Apollo Audio Interface.

3   -   Shutting down the iMac.

SOUND Playback

The Apollo Audio Interface unit is an integral component for this space.

Switch between Mic inputs and Line inputs

- Adjust Preamp per Channel
- PUSH to select Channel

- Adjust Volume to Speakers
- PUSH to Mute

If you like to **hear** any AUDIO the **Apollo unit has to be turned on** and the right dial has to be used as demonstrated in the picture.

MONITOR:	Volume to Yamaha Speakers
Headphone 1 socket:	Volume to headphone 1
Headphone 2 socket:	Volume to headphone 2

The Computer settings:

Computer settings need to be selected as in below pictures in:
System Preferences => Sound
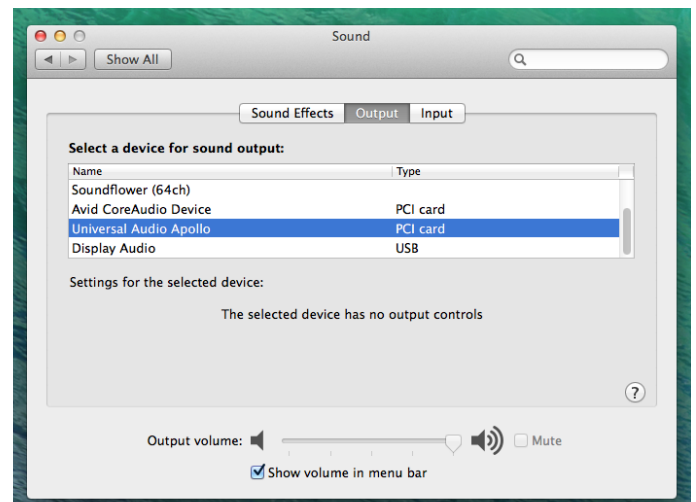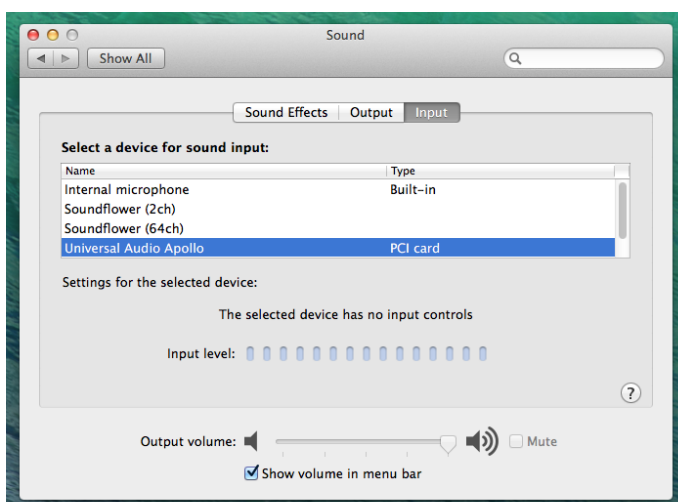
SOUND Recording

Recording Virtual Instruments / Midi

You have essentially 1 MIDI controller which can be used to enter MIDI data:

The Korg M3

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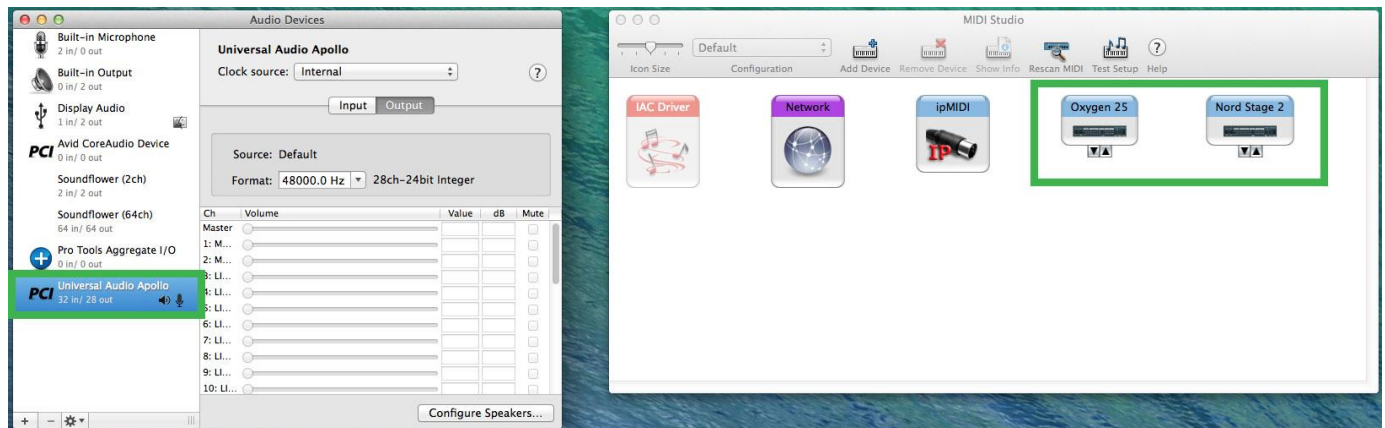
If you can't receive any MIDI signal, check with the music department in Office 107 or send an email to: nyuad.music@nyu.edu.

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 Apollo Audio Interface or Avalon Preamp as indicated on the patchbay.
The outputs of the Avalon Preamp return as line level signals to the Line inputs 1 & 2 of the Apollo interface.
The Korg M3 line outputs are connected to the Line inputs 3 & 4 of the Apollo Interface.

As an example: to use the Avalon, you would connect your microphone to Avalon input 1 on the Patchbay. After adjusting the signal level on the Avalon, you would need to select the Line input on the Apollo by pressing the corresponding switch and adjust the input via the Preamp dial. In your DAW you should be able to monitor that signal on input 1.

Below is a signal FLOW CHART:

PATCHBAY	Apollo HARDWARE INPUT	DAW INPUT
Apollo MIC IN 1	mic 1	Input 1
Apollo MIC IN 2	mic 2	Input 2
Apollo MIC IN 3	mic 3	Input 3
Apollo MIC IN 4	mic 4	Input 4
Apollo LINE IN 1 (Avalon - L1)	Line 1 (switch to Line)	Input 1
Apollo LINE IN 2 (Avalon - L2)	Line 2 (switch to Line)	Input 2
-	Line 3 (Korg M3 Left)	Input 3
-	Line 4 (Korg M3 Right)	Input 4

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!
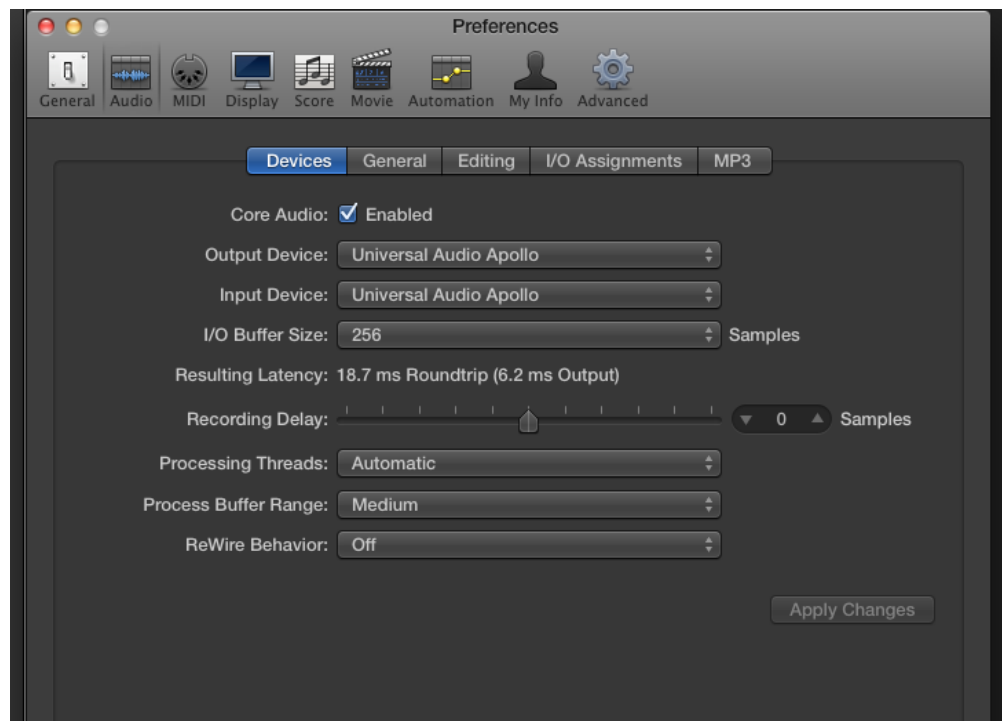
HAPPY RECORDING in 136.

For troubleshooting, please send an email to: nyuad.music@nyu.edu