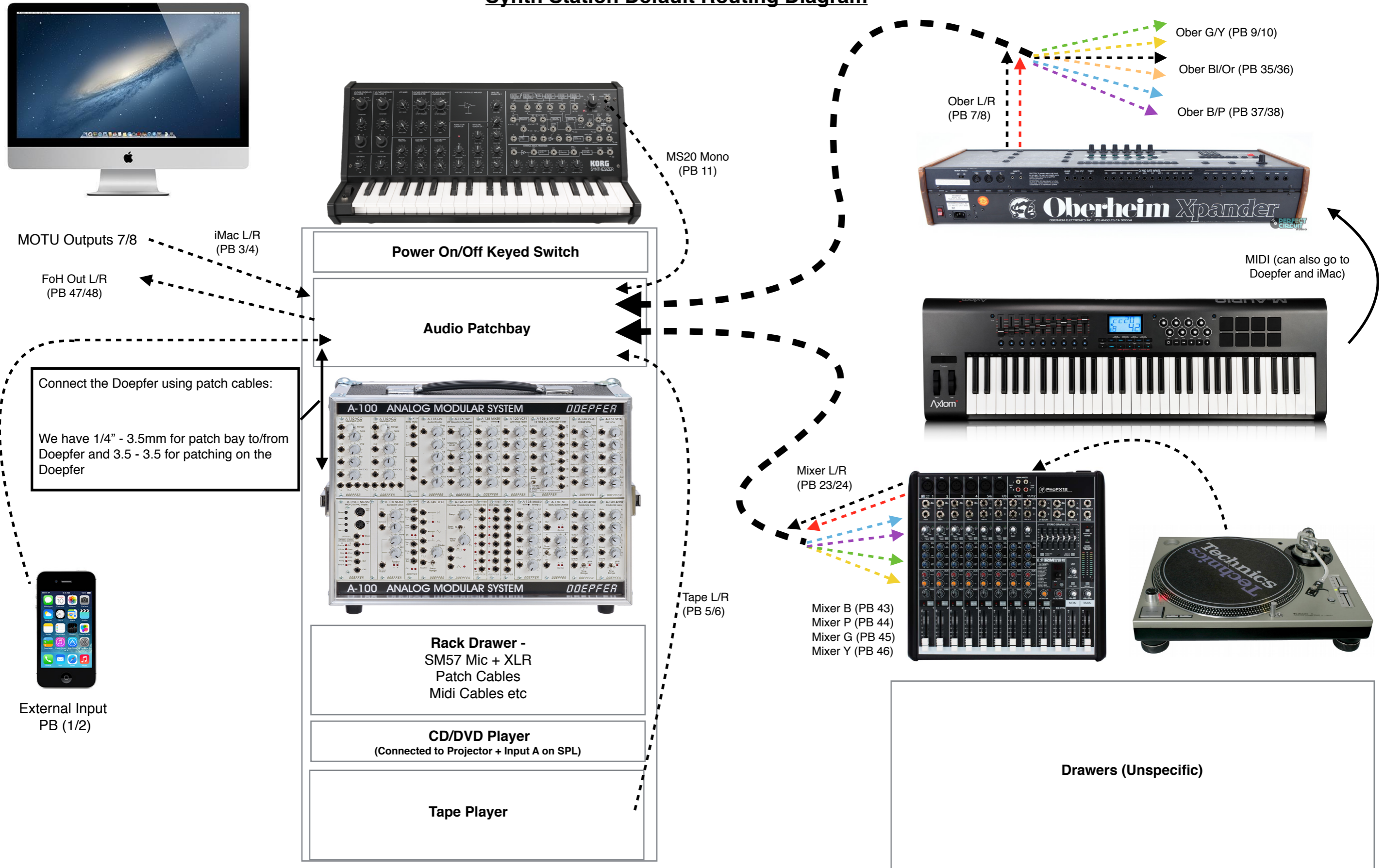


Synth Station Default Routing Diagram



* PB = Patchbay Channel

Synth Station Default Routing Diagram

	1	2	3	4	5	6	7	8	9	10	11	12	113	14	15	16	17	18	19	20	21	22	23	24	
Input from	Ext L	Ext R	iMac L	iMac R	Tape L	Tape R	Ober L	Ober R	Ober Green	Ober Yellow	MS20 Mono												Mixer Out L	Mixer Out R	
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
Output to											Ober Black	Ober Orange	Ober Blue	Ober Purple						Mixer Blue	Mixer Purple	Mixer Green	Mixer Yellow	FoH Out L	FoH Out R

- Ext = External Input
 iMac = MOTU Output on 7/8 (this can be set under system sound preferences or on the outputs from Logic etc)
 Ober = Oberheim XPander (Synth on top shelf)
 FoH = Front of House (these are the two cables that run to the desk to go into the room speaker system)

The top row are for INPUTS from devices e.g. The signal FROM the computer, or FROM the external Input. The only exception to this is the Mixer return, which is on 23/24 so it's routed to the FoH as default when not routed elsewhere.

The bottom row are for OUTPUTS to devices/destinations e.g. TO the mixer, TO the Oberheim.

The easiest way to understand the systems patching is to break it into the separate parts of SOURCES and DESTINATIONS:

SOURCES:

There are many sources in the synth system, some of which are only Sources (such as Ext Input and iMac L/R) and some which are sources as well as destinations. Here are the sources and what they are:

- | | | | |
|----------------|--------------------|---|---|
| Channels 1/2 | External Input L/R | - | A 3.5mm Jack lead is supplied so you can get input from external sources such as iPhone, Laptop etc |
| Channels 3/4 | iMac Input L/R | - | Outputs 7 and 8 from the MOTU are sent to these two channels. Using this you can get audio from the desktop machine into the synth destinations |
| Channels 5/6 | Tape L/R | - | A Left/Right source from the Tape player at the base of the cabinet, for those occasions when you need tape either for the synth or for class playback |
| Channels 7/8 | Ober L/R | - | These are the main L/R outputs from the Oberheim XPander, the XPander also has separate voice outputs which are routed on other channels |
| Channels 9/10 | Ober Green/Yellow | - | These cables are attached to two of the Oberheim Voice outputs, there aren't 6 outputs in total, but with these two channels you can choose which to use. |
| Channel 11 | MS20 Mono | - | This is the main Mono output from the MS20. |
| Channels 23/24 | Mixer Out L/R | - | This is the Main Output audio coming from the mixer. This could potentially be a combination of many other sources, so by default gets routed to FoH. |

DESTINATIONS:

- | | | | |
|------------------|---------------|---|--|
| Channels 35 - 38 | Ober B/O/B/P | - | These 4 channels are multipurpose. The Oberheim has many options for Input/Output so these extra channels can be used for Voices, Gates or CV (not currently used) |
| Channels 43 - 46 | Mixer B/P/G/Y | - | These 4 channels are multipurpose. They are wired to the mixer and allow for routing of Sources to, or signals from the mixer. Primarily used to get audio to channels. |
| Channels 47/48 | FoH Out | - | These two channels send signal to 1/4 Jack cables at the desk. These can be either wired directly into the speakers using the desktop patchbay, or into Logic using the Line In's on the patchbay. Doing this you could have audio from Logic to a synth, to the mixer, then back into Logic for recording/playback. |

The Synth Station is a managed resource and is only to be used by specific Students and Staff who have been trained in it's use.

Some of the equipment is very old so **please treat it with care.** The rear of the cabinet has been locked down for safety, **please do not attempt to gain access or re-patch any fixed cabling.**

If there is something specific you need from the system that isn't possible with the current setup then please contact Matt Watt to discuss.

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