

Stephanie Smith Untitled

Install [tmux](#) to streamline pi commands.

› Connect to Pis

1. connect to 'pi' network
2. create 8 panes in terminal using tmux
 - i. `tmux new`
 - ii. `ctrl + b + %` x4 (vertical split)
 - iii. `ctrl + b + ,` x4 (horizontal split)
 - iv. `ctrl + b + cursor` to navigate
3. log onto each pi from terminal

```
ssh pi@pione.local (pitwo, etc.)
```

› Run programs

1. Synchronize panes in tmux
 - i. `ctrl + b + :`
 - ii. `setw synchronize-panes`
2. `cd git/sound-house/python`
3. Run sensors: `python3 oscDistance.py --hostIp {YOURIP} &`
4. Run audio:

```
cd ../chuck
chuck receiver.ck
```

5. Run max patch on computer (not pis)

› Shutting Down the Pis

1. `ctrl + c` to kill chuckK script
2. `sudo shutdown -h now`
3. turn off power strip

› How to kill python background processes

This could become an issue if the python process was running and not shut down. To shut down pi processes:

1. `ps aux | grep python`
2. `kill pid`

Note, the `pid` is different for each pi so you will need to toggle out of synchronized panes to do the `kill` commands.

› Other helpful commands

Reboot pi: `sudo reboot`

