Brain Wave Sonification Max Patch Documentation

- Use this patch with EEG data in a .wav file.

To convert EEG data (can be in row or column form) to a .wav file, use Python script that can be found here: https://github.com/victoriagrace/EEGtoWAV/tree/master

For additional resources in EEG data processing, see the demos section on my Music Perception website. http://vicmeisterin.github.io/demos.html Please note that the Python demos on this page are . ipynb files, to be opened in Jupyter Notebook.

Max Patch Instructions

- Open Max patch.
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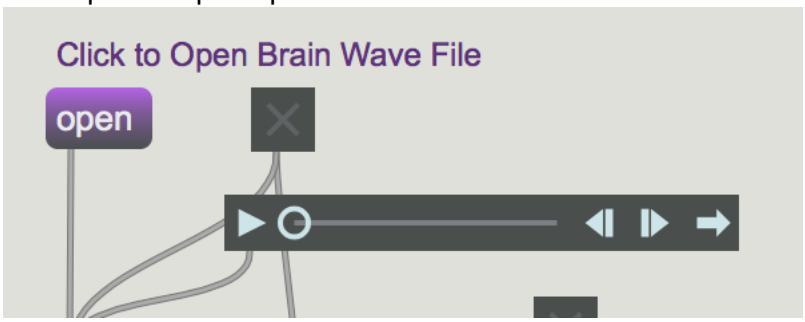
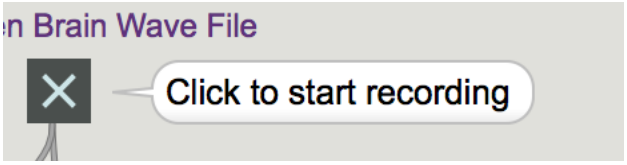
- Click open to open up brain wave data wav file

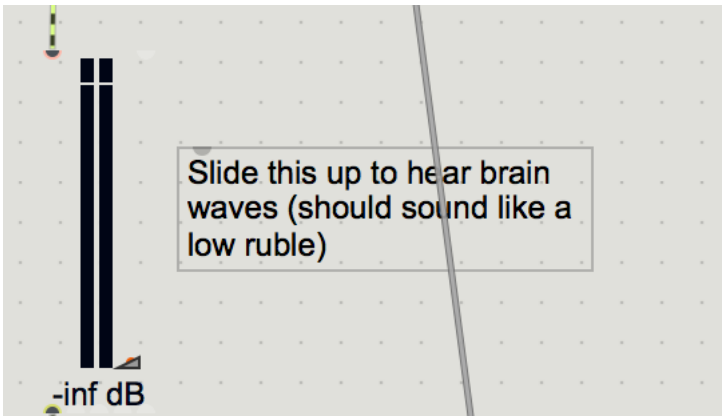


- Click play and raise slider on level meter located centrally in the patch

- Click toggle to start recording and the write button down below on the patch to save output

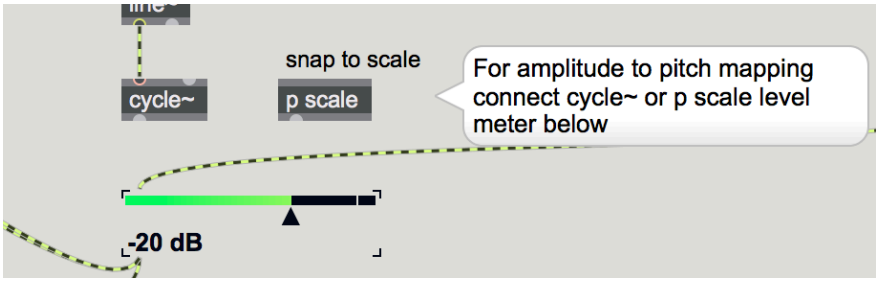


- Raise level slider on left side of patch to mix in original .wav file to dac



- Adjust clock (note change rate) to change the rate of note change

- Connect cycle objects and/ or “p scale” object to level meter to change type of data Sonification



- Click on p scale object to edit scale that pitches map to