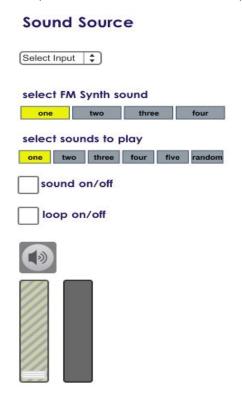
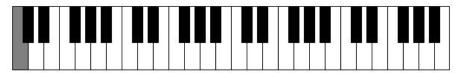
FARBENKLANGSPIEL

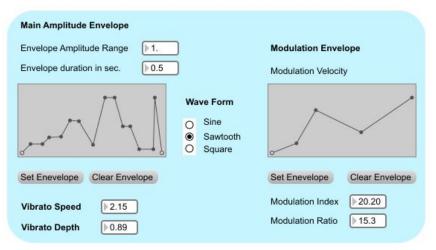
For any number of laptops, with one person conducting.

The MAX/MSP patch used by the laptops has a sound component and a video component.



Performers can play sounds from 3 different inputs: FM synth, pre-recoded sound files, and pitch shifter (processing the same sound files) FM synth has four pre-programmed sounds, but it also allows the performer have control over the synthesized sound. Click "Show FM Synth" to bring it up.





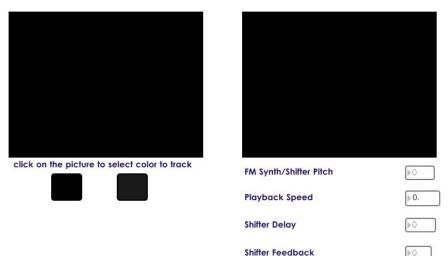
During the performance, pitches of the synthesized sound are controlled by the video color tracking.

The five pre-recoded sounds cannot be modified, but are processed by using video color tracking. In this case, it controls playback speed, and Pitch Shifter's pitch, delay, and feedback.

To activate color tracking, click on the desired color to track in the picture on the left (showing the video input.) The picture on the right shows a processed video input, highlighting the tracked color.

Color tracking works best with bright colors, glow sticks, LEDs, or infra red.

Video On/Off



Generally, performers can choose what sounds to play, unless a specific one is indicated by the conductor.

For the conductor:

The conductor uses a text score with cues to the performers.

+/- adding/taking out performers.

Sound input can be indicated by a number with the right hand: 1 = FM synth 2 = recorded sound 3 = shifter

Specific sound can be indicated by a number with the left hand.

The conductor can show the movement or gesture, to be imitated by the performers.

Ensembles are welcome to come up with any other methods.

The duration of the piece is indeterminate.

However, cues should be 5–20 seconds long. Timing the cues is open for the decision of the conductor/ensemble.

A timer MAX/MSP patch is available.