

## 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.

### Sound Source

Select Input

#### select FM Synth sound

one two three four

#### select sounds to play

one two three four five random

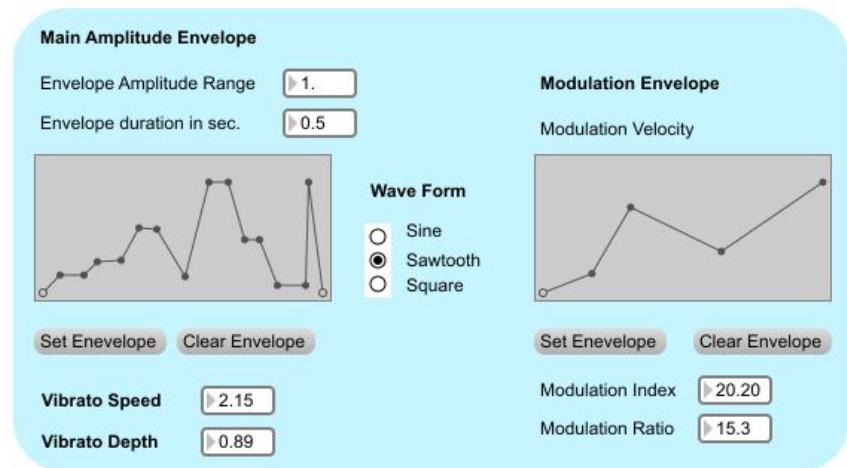
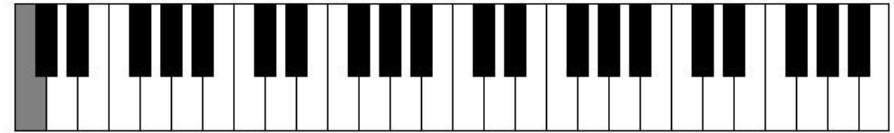
☐ sound on/off

☐ loop on/off



Performers can play sounds from 3 different inputs: FM synth, pre-recorded 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.

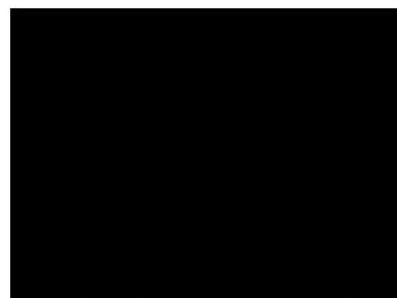


During the performance, pitches of the synthesized sound are controlled by the video color tracking.

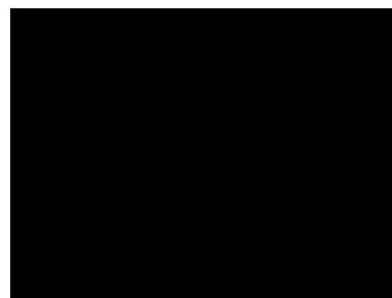
The five pre-recorded sounds cannot be modified, but are processed by using video color tracking. In this case, it controls playback speed, and Pitch Shifter's pitch, delay, and feedback.

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



click on the picture to select color to track



FM Synth/Shifter Pitch



Playback Speed



Shifter Delay



Shifter Feedback



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. Can be signaled by traditional cue gestures. A “cut throat” gesture can be used for taking out players.

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.

Activity, increase or decrease, can be indicated by traditional dynamic gestures.

The traditional release signal can be used to end the piece.

Ensembles are welcome to come up with any other methods.

The duration of the piece is indeterminate.