



augen-auf-schlag
(strike-the-eyes)

An interactive sound-light-installation
of Thomas Gerwin and Wolfgang Spahn, 2008

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3 projectors with Ferro-Fluid (red, blue and green), 3 controllers, pane of glass with projection screen, drum pad, Midi sampler, Cd-Player, loudspeakers, boosters, 2008

This interactive sound-and-light-installation is a work of cooperation between the composer and sound artist Thomas Gerwin and the media artist Wolfgang Spahn. It is considered as an instrument to generate and play sounds and liquid colours.

Three especially for this purpose designed and developed over-head-projectors are filled with a mixture of coloured liquids and Ferro-Fluid. In each projector these liquids can be activated and stimulated by 4 magnetic coils.

Face to face stands a Midi-Drum-Pad containing three small and four big pads, which can be played by the visitors. There is a Midi sampler connected to produce the sounds. Triggered by the Midi signal the three projector-controllers come into action and therefore stimulate the magnetic coils, depending on note and dynamics of the drum pad.

Each of the three small pads symbolize one of the three RGB colours, while the other four pads stand for four directions: above, below, left and right. If someone hits one of the pads, the according liquids in the projectors will react. Between the projectors and the drum pad there is a pane of glass hanging covered by a round projection screen. On that screen the three monochrome colours are projected to create one full colour projection. The mixture of the liquids as well as the whole system are developments by the artist.

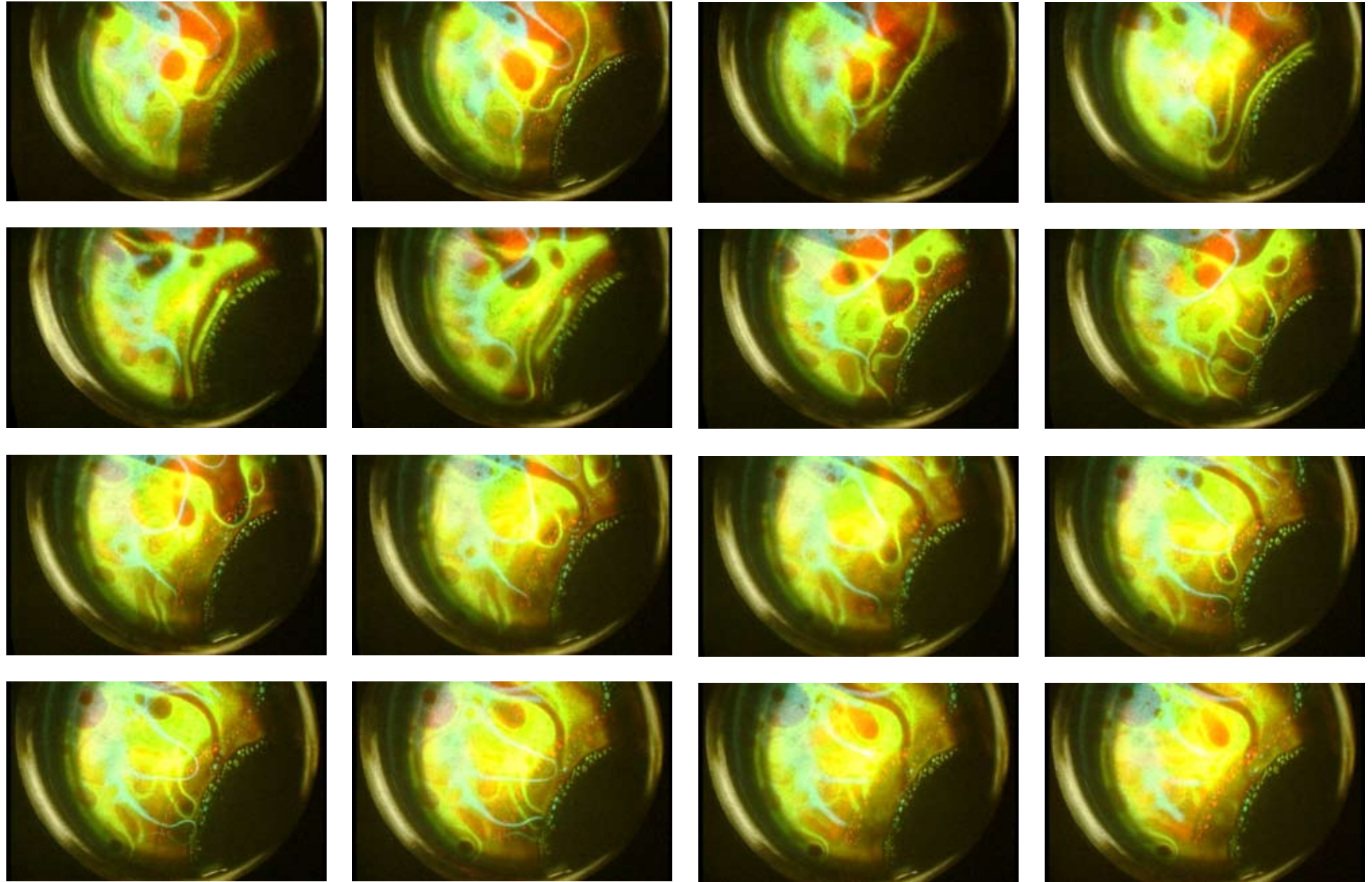
The Drum Pad as an Interface



3 Ferro-Fluid-Projectors



Sequences of the Projection (3 sec)



Visitor Playing Drum



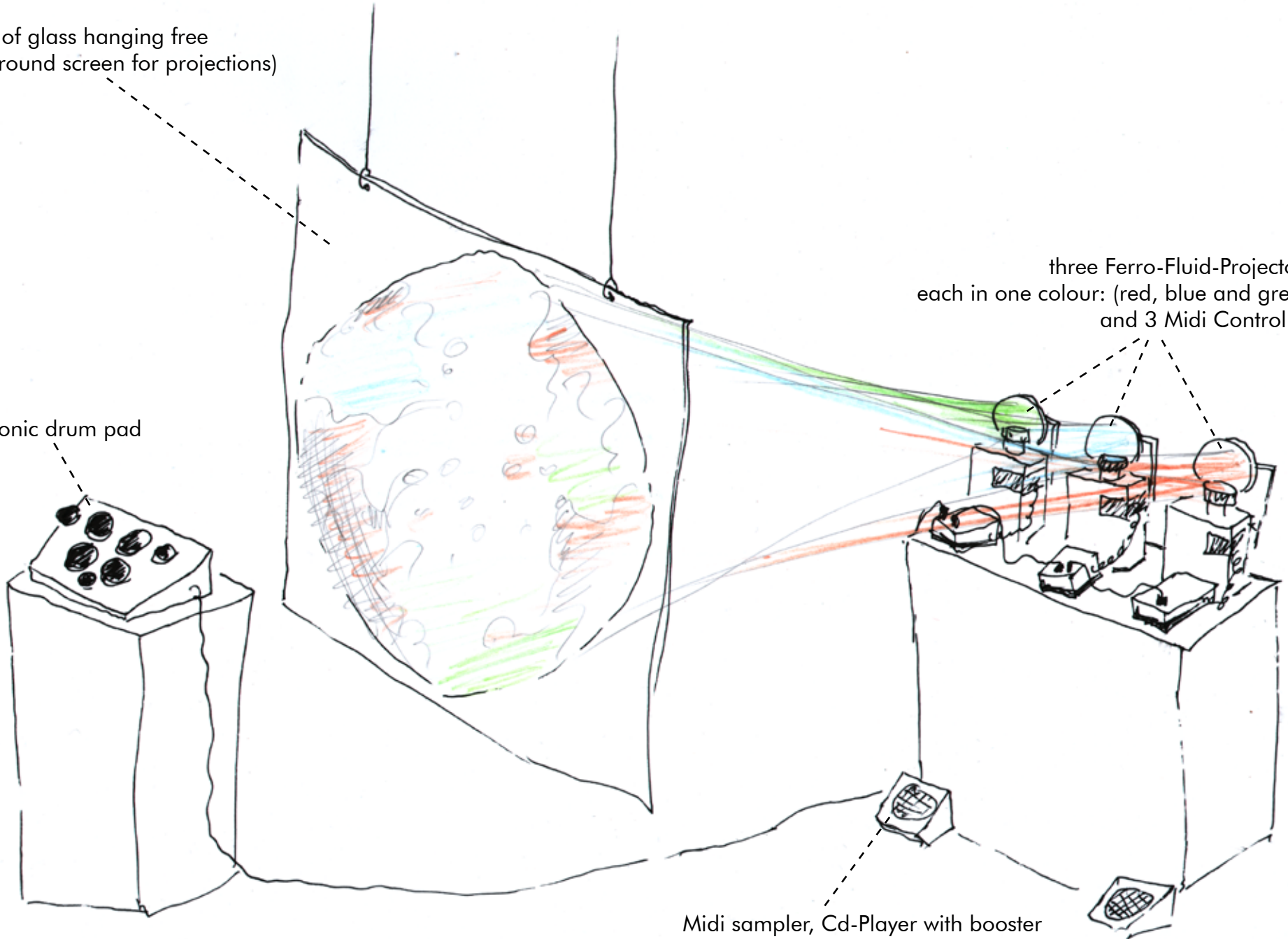
Sketch and Construction

pane of glass hanging free
(with round screen for projections)

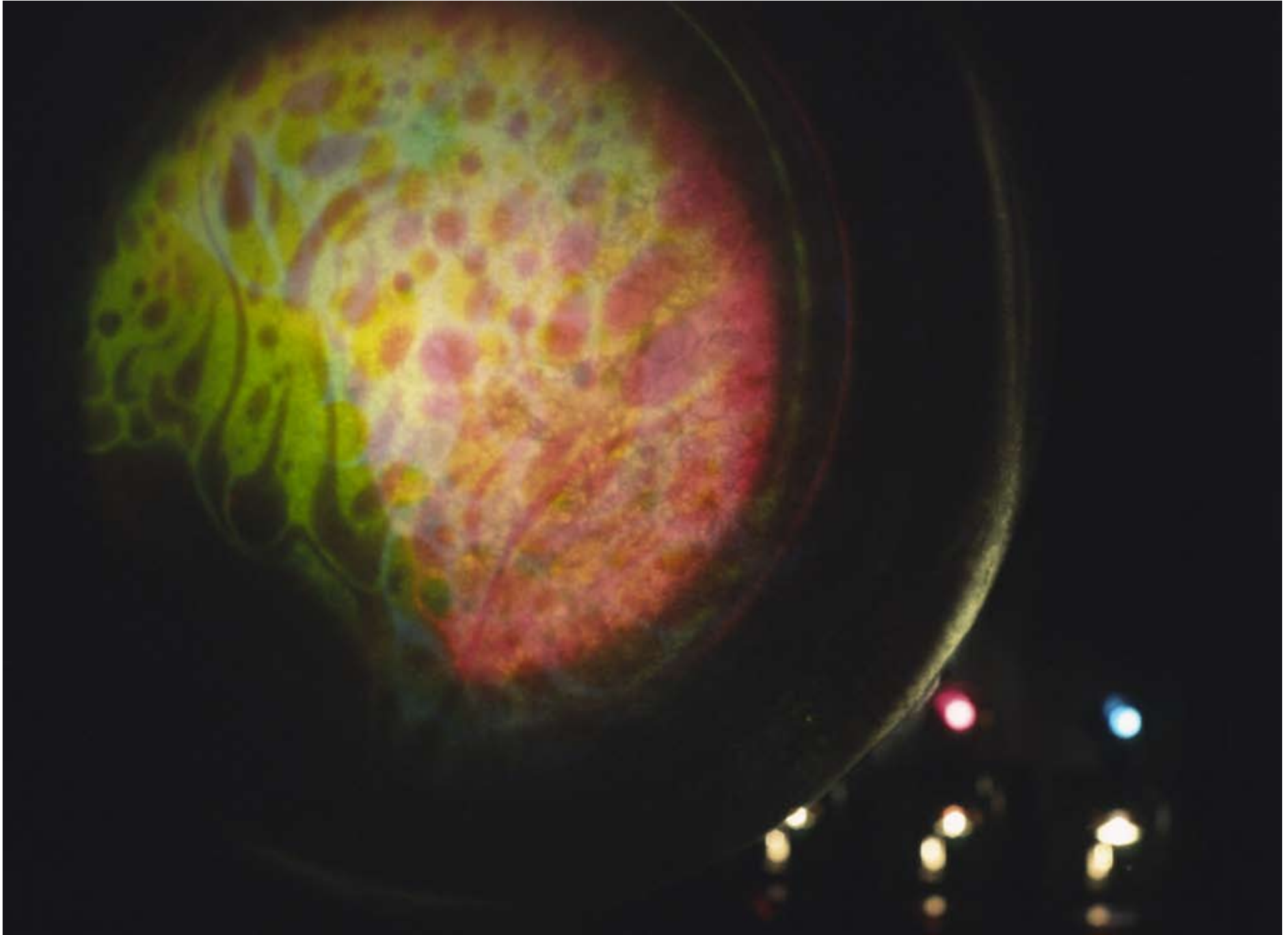
electronic drum pad

three Ferro-Fluid-Projectors,
each in one colour: (red, blue and green)
and 3 Midi Controllers

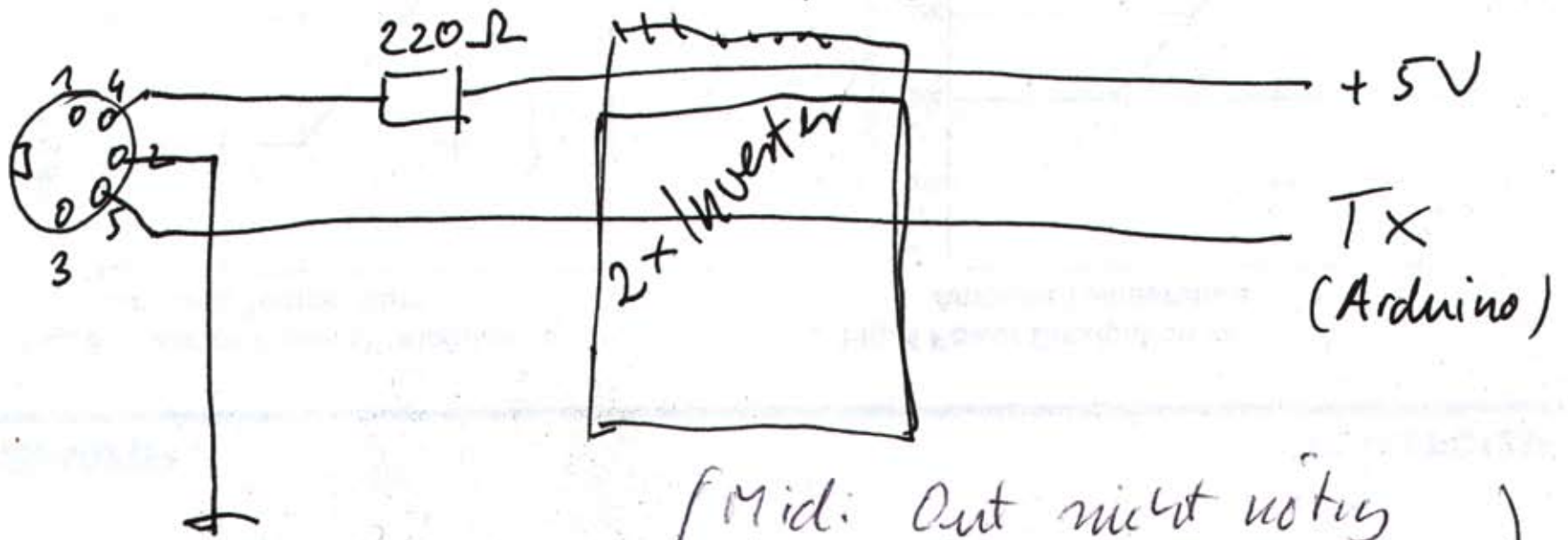
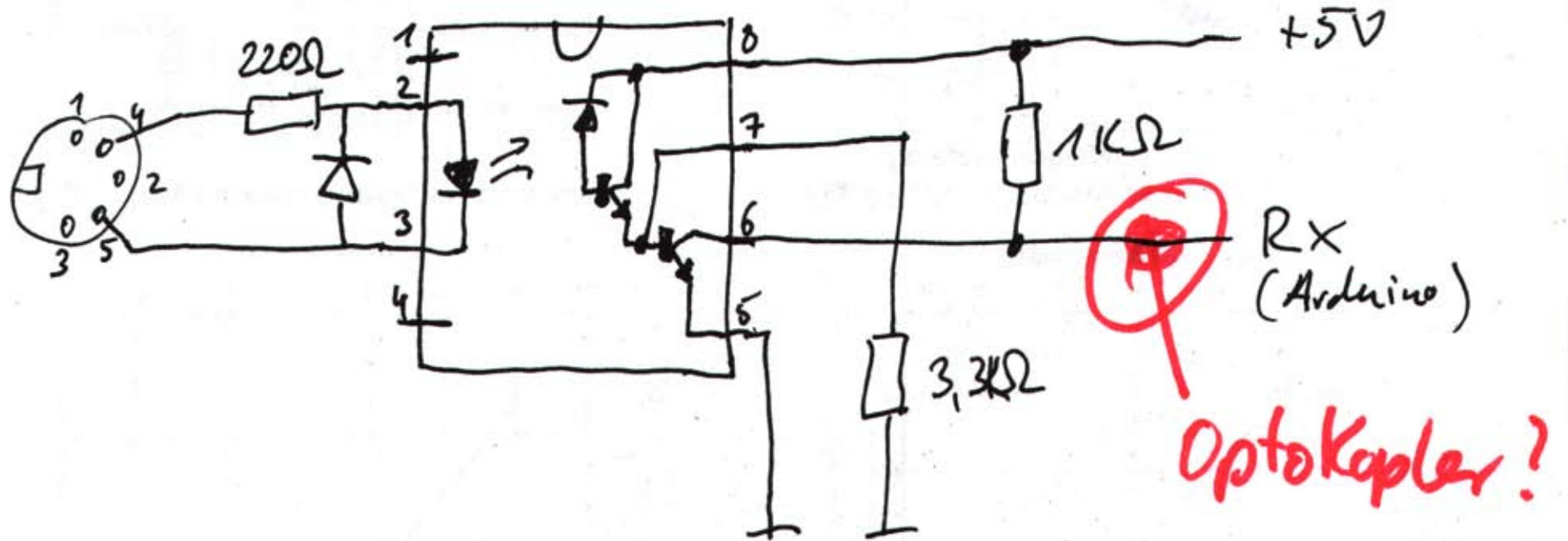
Midi sampler, Cd-Player with booster



The Projection Screen, in the Background 3 Projectors



MIDI IN & OUT



(Midi Out nicht nötig
da Arduino Ausgang 10mA)

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