

WORK
ROOM

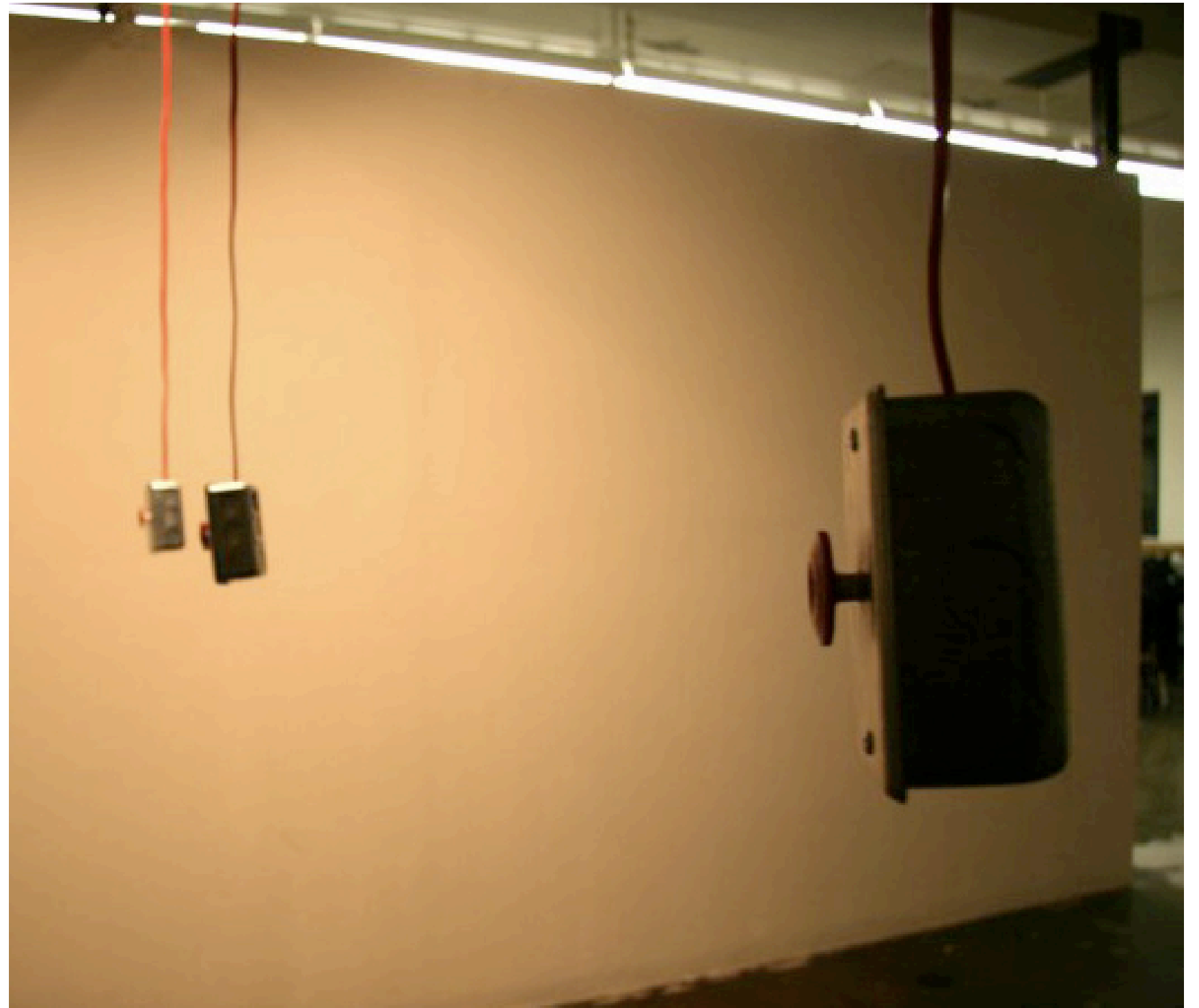
&

FMS
Free Makers School

an I-PAC physical computing workshop

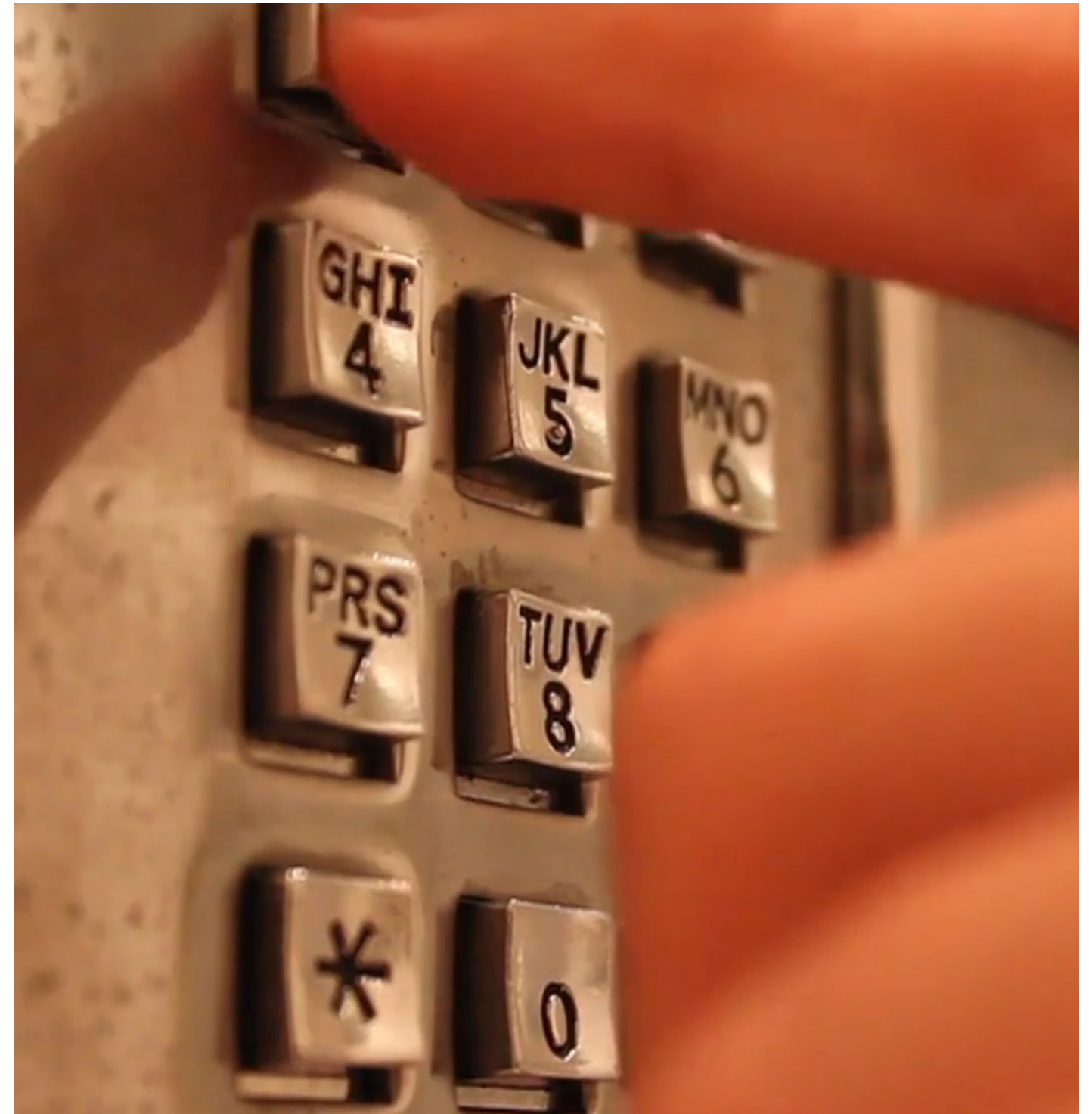
Spatial Memory Ben Moren

2



Rhizome Telephone Ben Moren

3



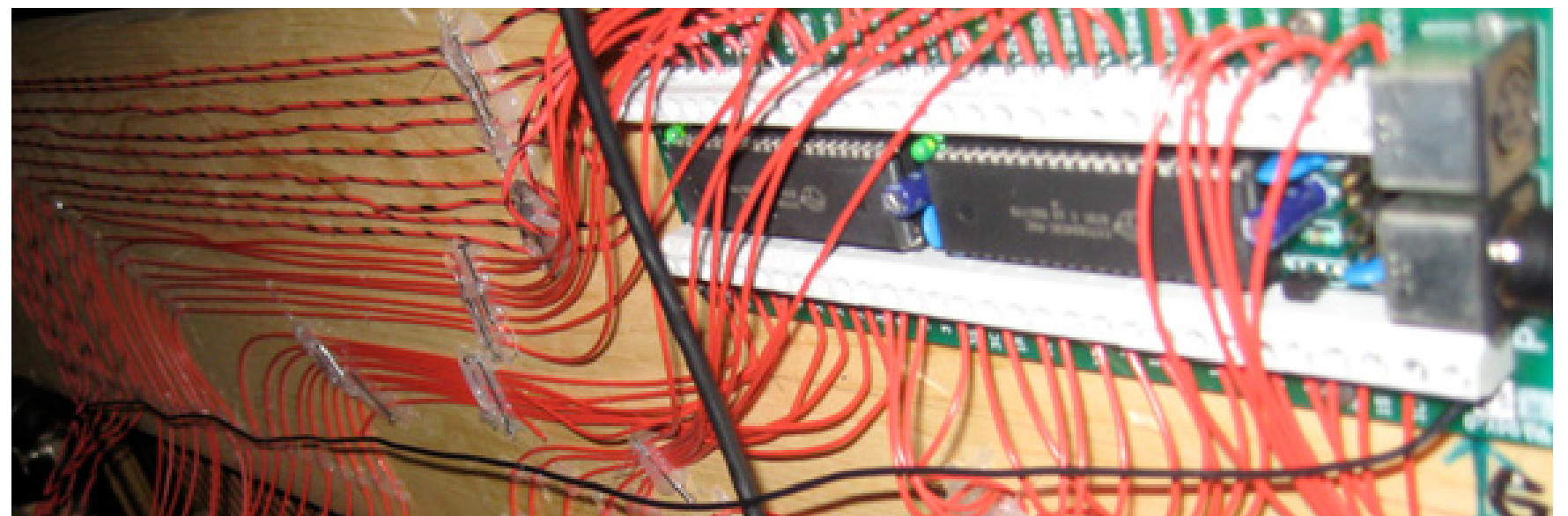
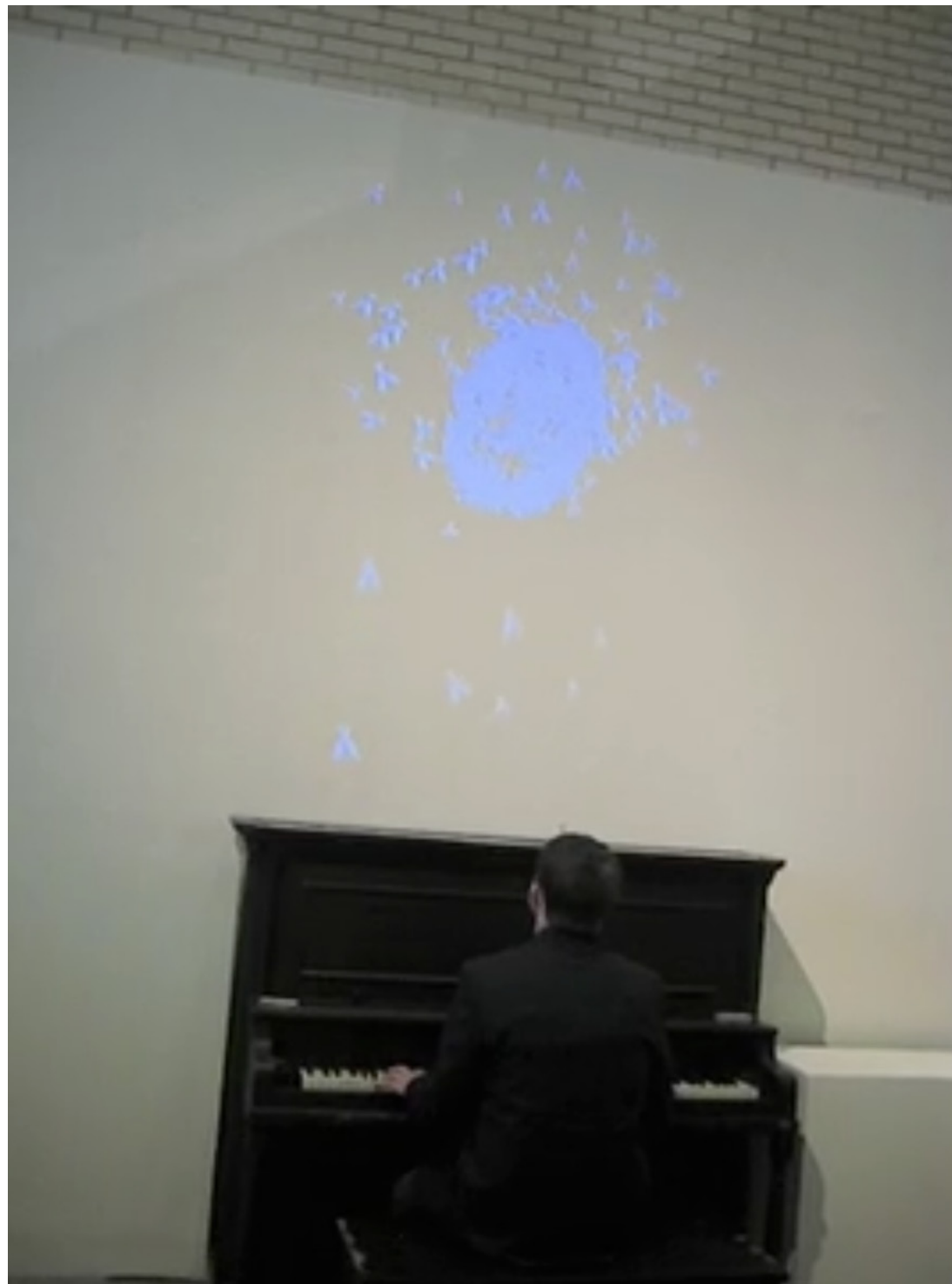
Eco-choir Trygve Nordberg

4



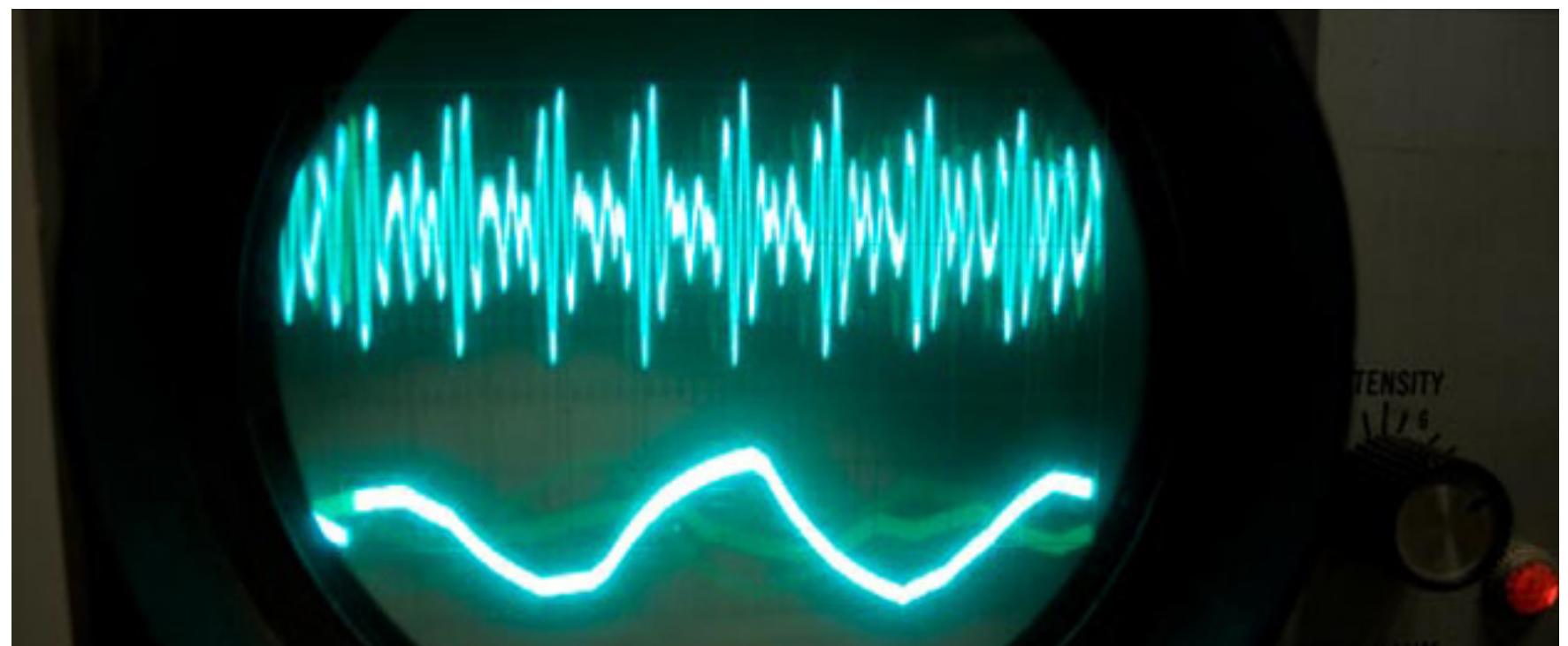
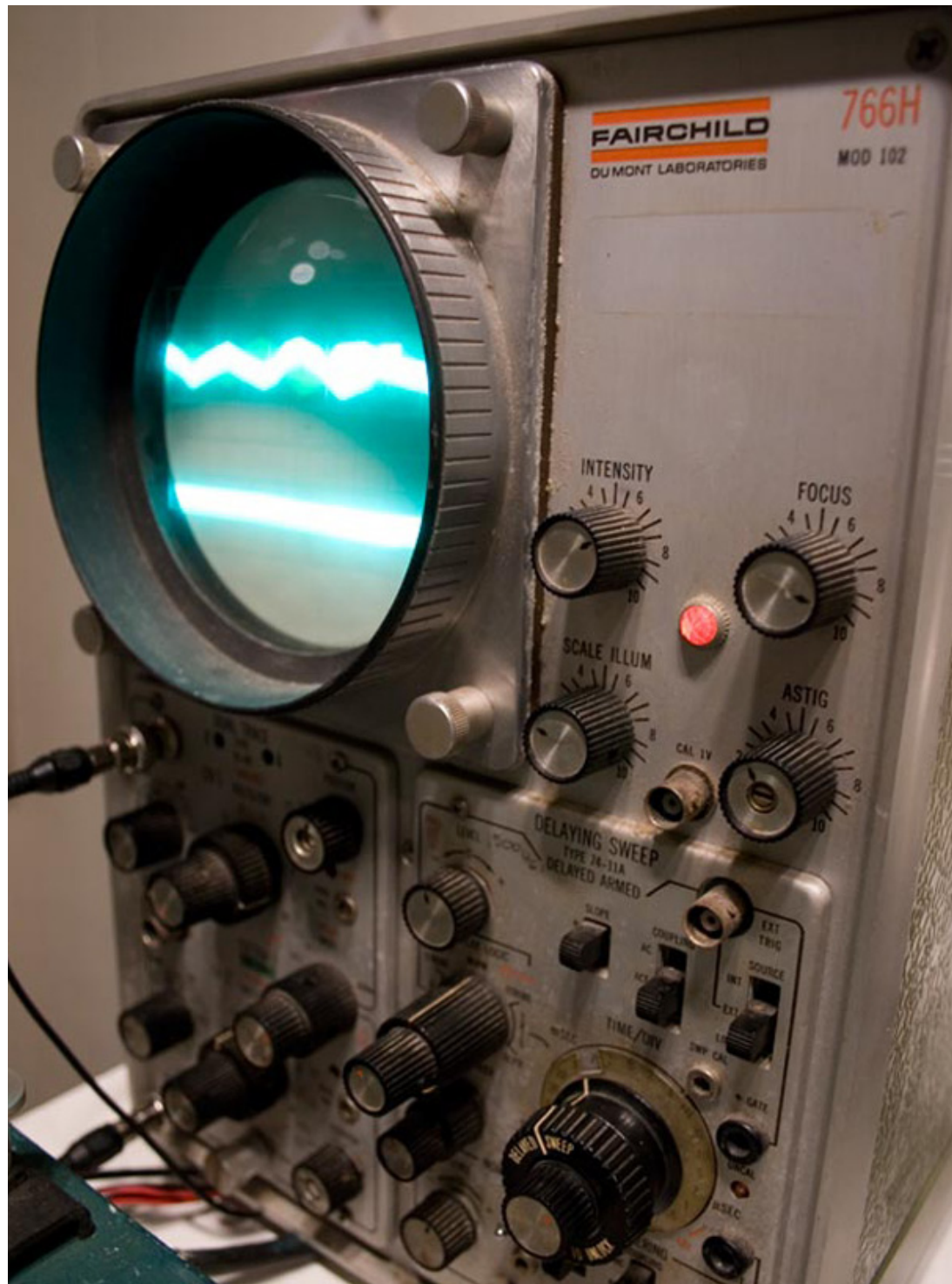
Outside-In Piano Trygve Nordberg

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The Auditory Equity Interpreter Tyler Stefanich

6



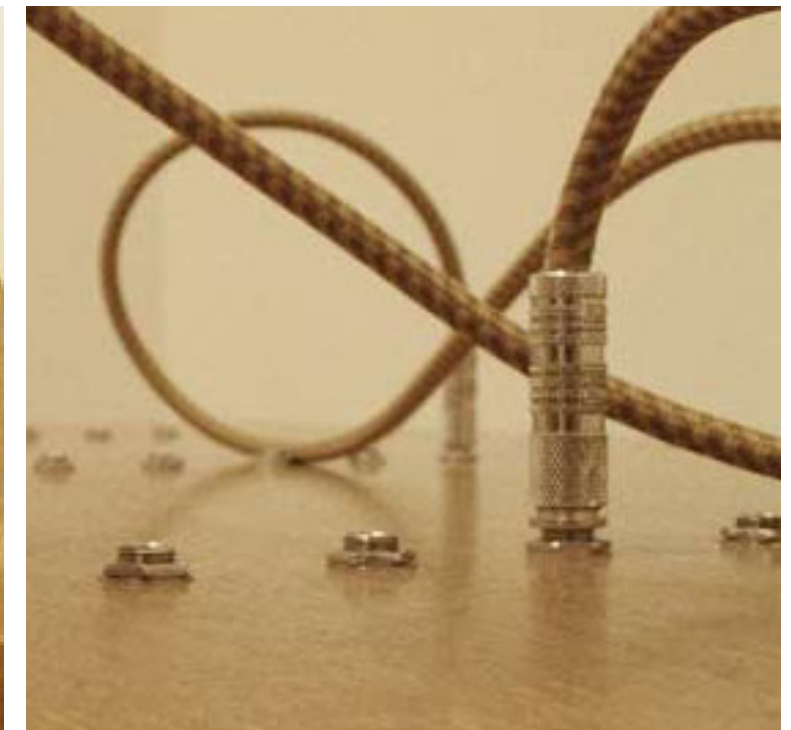
The Last 5 Minutes Tyler Stefanich

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Labor Camp Study Room : A Piotr Szyhalski

8



Sample Max5 Patches

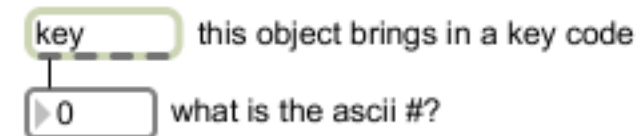
Double Click an example to expand

1. p Ascii Codes
2. p Key up / Key Down
3. p Change a color
4. p Switch Videos
5. p Record Audio

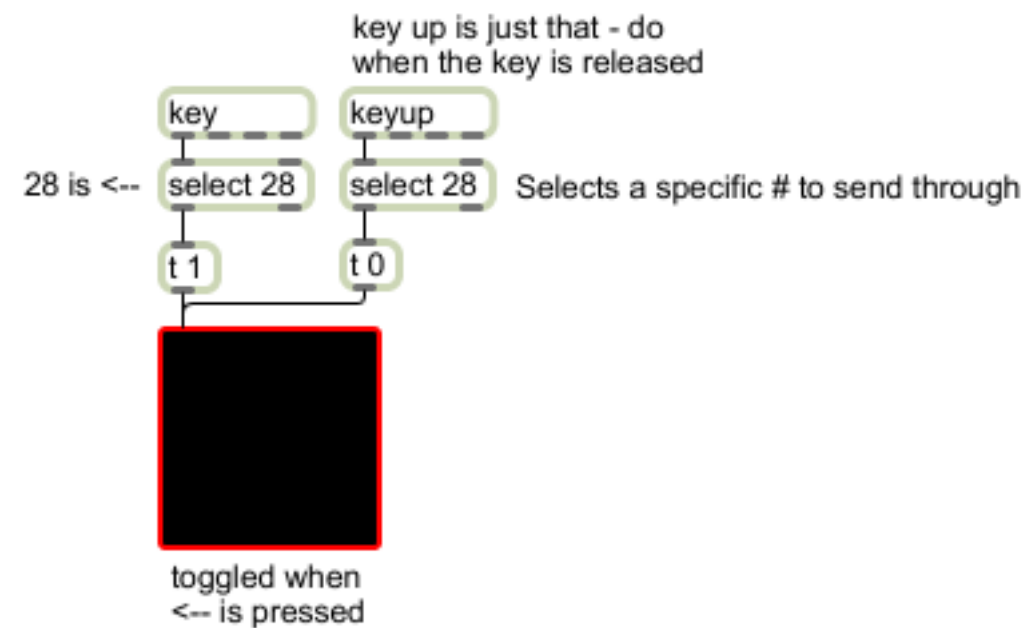
PatchesBy: Ben Moren in collaboration with Tyler Stefinach
Brought to you by: Work Room

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[BenMoren.com](#) Ben's Online Portfolio
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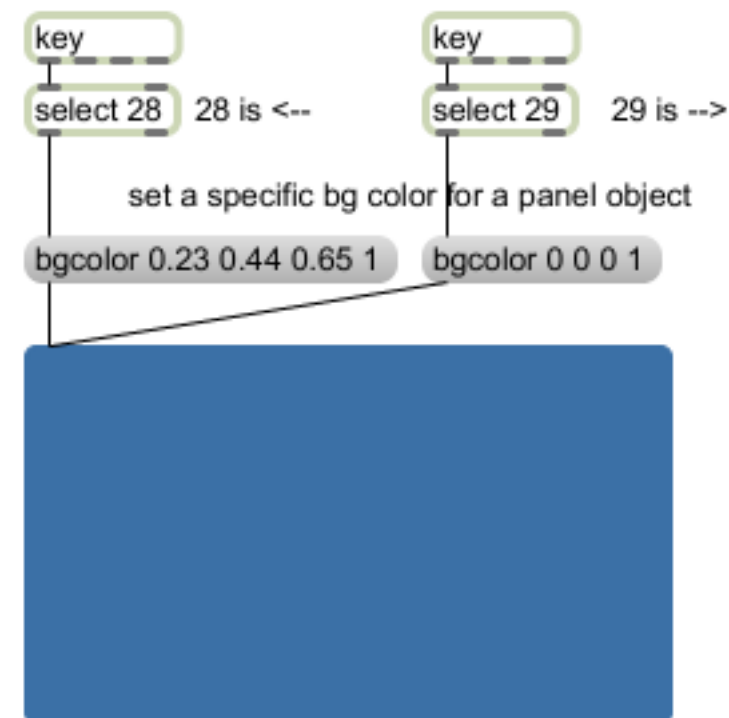
ASCII Codes



Key Up / Key Down



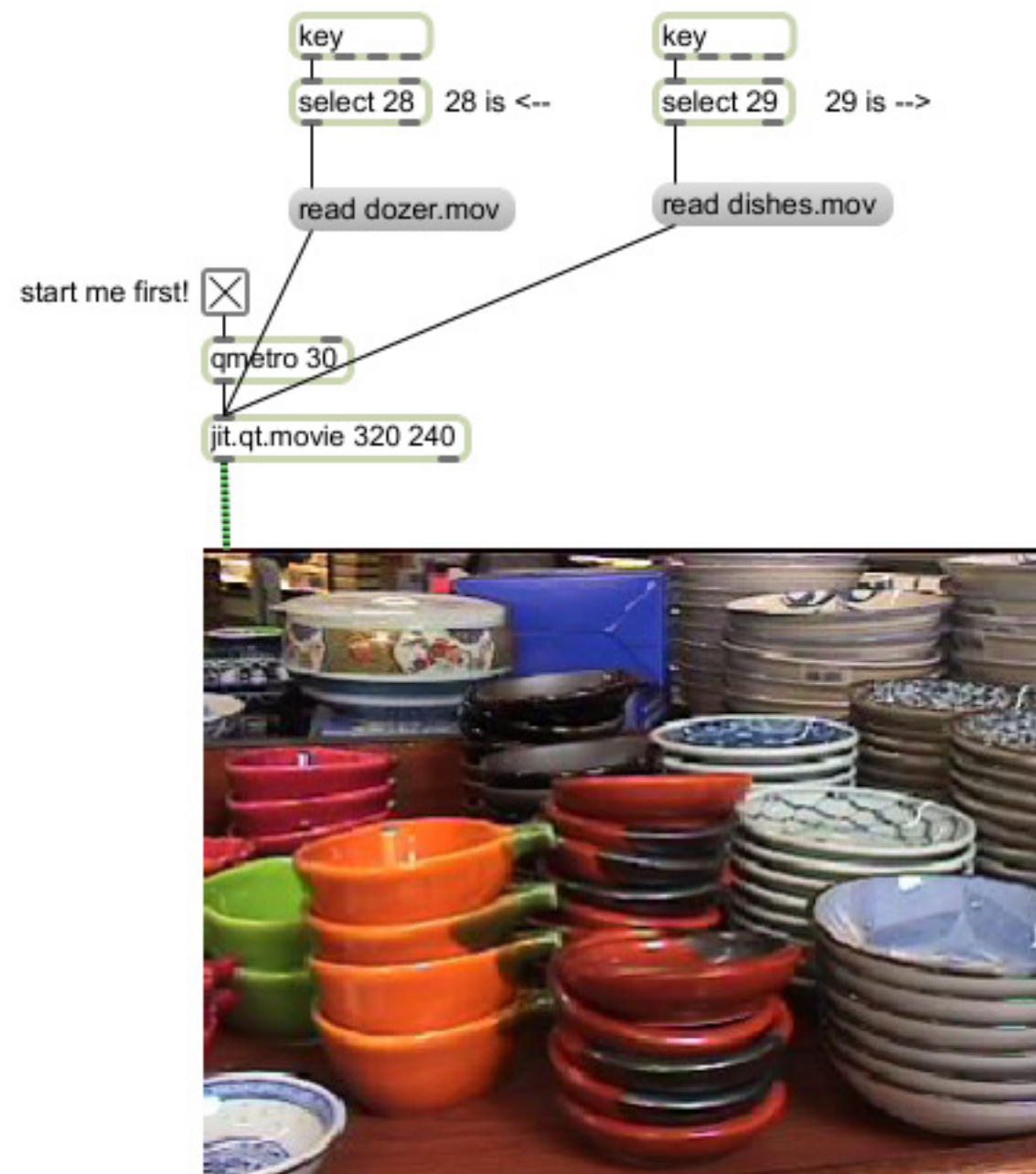
Basic Change A Color



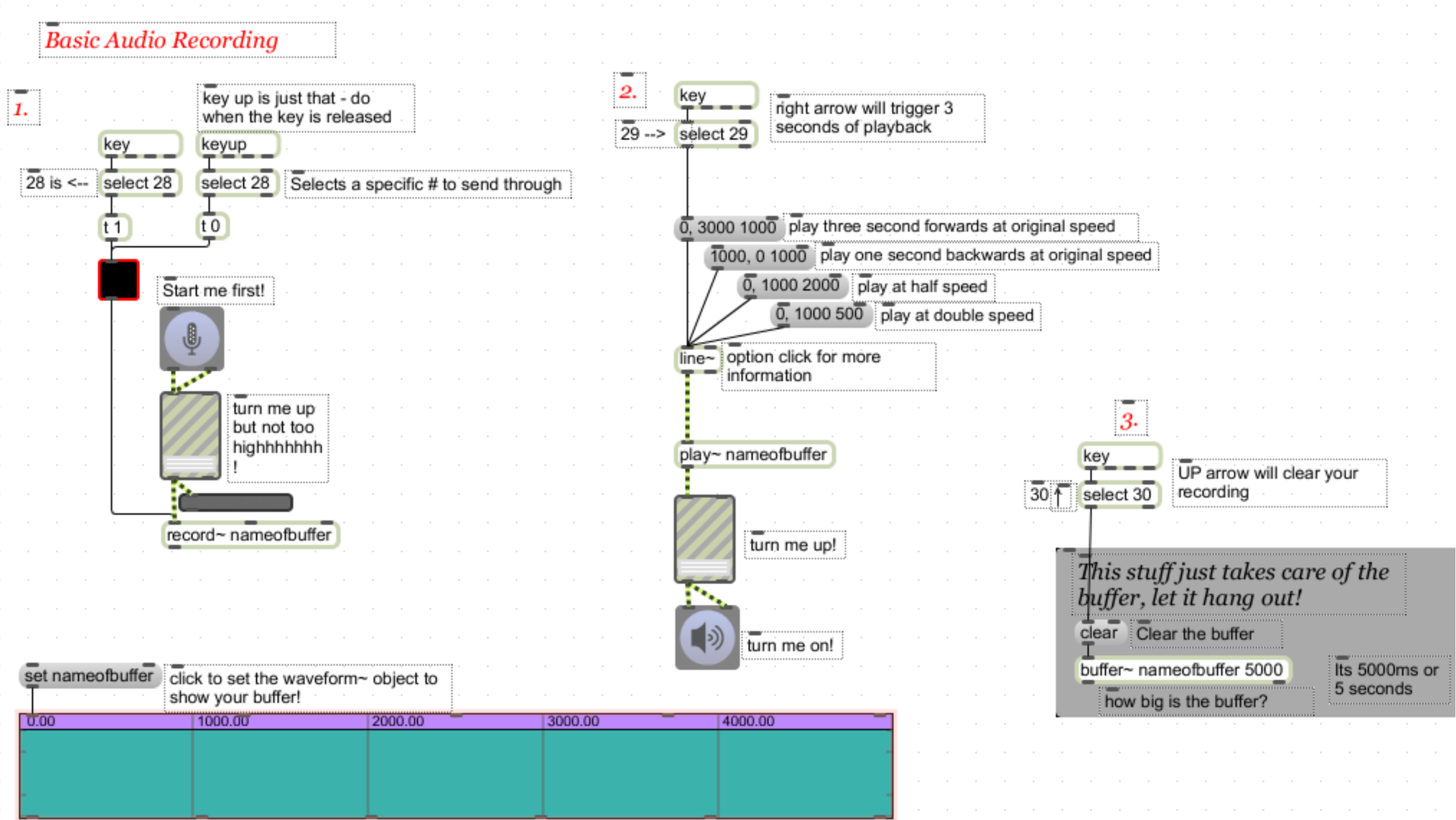
Sample Max5 Patches

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Basic Video Switcher



Sample Max5 Patches



Sample Processing

```
/*random color keypress thingy
by Kobby Appiah*/

color onLeft;
color onRight;
color boxColor;

void setup(){
  boxColor = #FFFFFF;
  size(200,200);
  background(boxColor);
}

void draw(){

}

void keyPressed(){
  onLeft = int(random(-16777215)) + 1;
  onRight = int(random(-16777215)) + 1;
  if (keyCode == LEFT){
    println("left");
    background(onLeft);
  }

  if (keyCode == RIGHT){
    println("right");
    background(onRight);
  }
}

--
Kobby Appiah
MCAD
```

Sample JQuery

```
// this gets called when the document is (i.e. the html and css have been loaded and are ready to go).
$(document).ready(function() {
  // listen for key strokes
  $(window).keydown(function(event) {

    // convert the ascii number code to a string (char) and make it always upper-case
    var myKey = String.fromCharCode(event.which).toUpperCase();
    var keyCode = event.which;

    // the up keys are W, I, “up arrow” (dec: 38)

    // the down keys are S, K, “down arrow” (dec: 40)
    // the right keys are D, L, “right arrow” (dec: 39)
    // the left keys are A, J, “left arrow” (dec: 37)

    if(myKey == 'W' || myKey == 'I' || keyCode == 38) {

      // up event
      $('body').css("background-color", "yellow");
    } else if( myKey == 'S' || myKey == 'K' || keyCode == 40) {
      // down event
      $('body').css("background-color", "blue");

    } else if( myKey == 'D' || myKey == 'L' || keyCode == 39) {
      // right event
      $('body').css("background-color", "red");
    } else if( myKey == 'A' || myKey == 'J' || keyCode == 37) {

      // left event
      $('body').css("background-color", "black");
    } else {
      // unknown keyboard entry
    }

  });
});
```