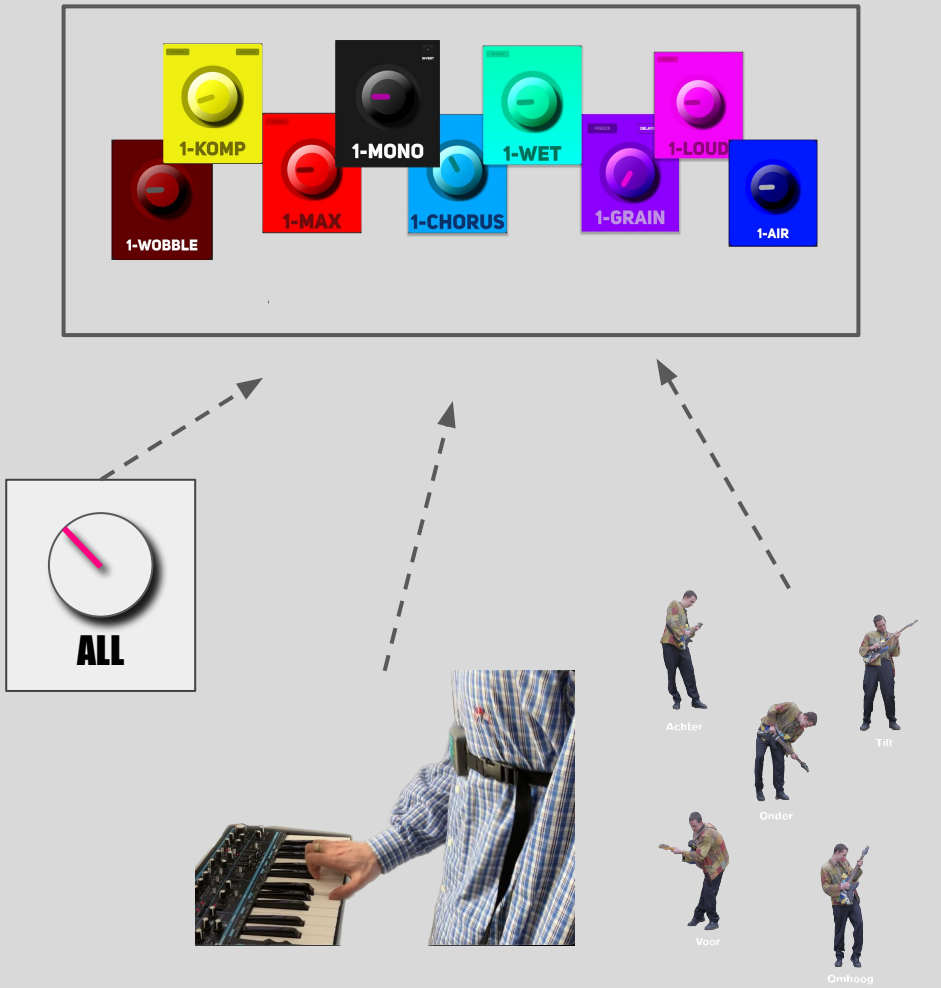
Creative Systems Design

CSD2c

1. Opzet

One main assignment



Main assignment

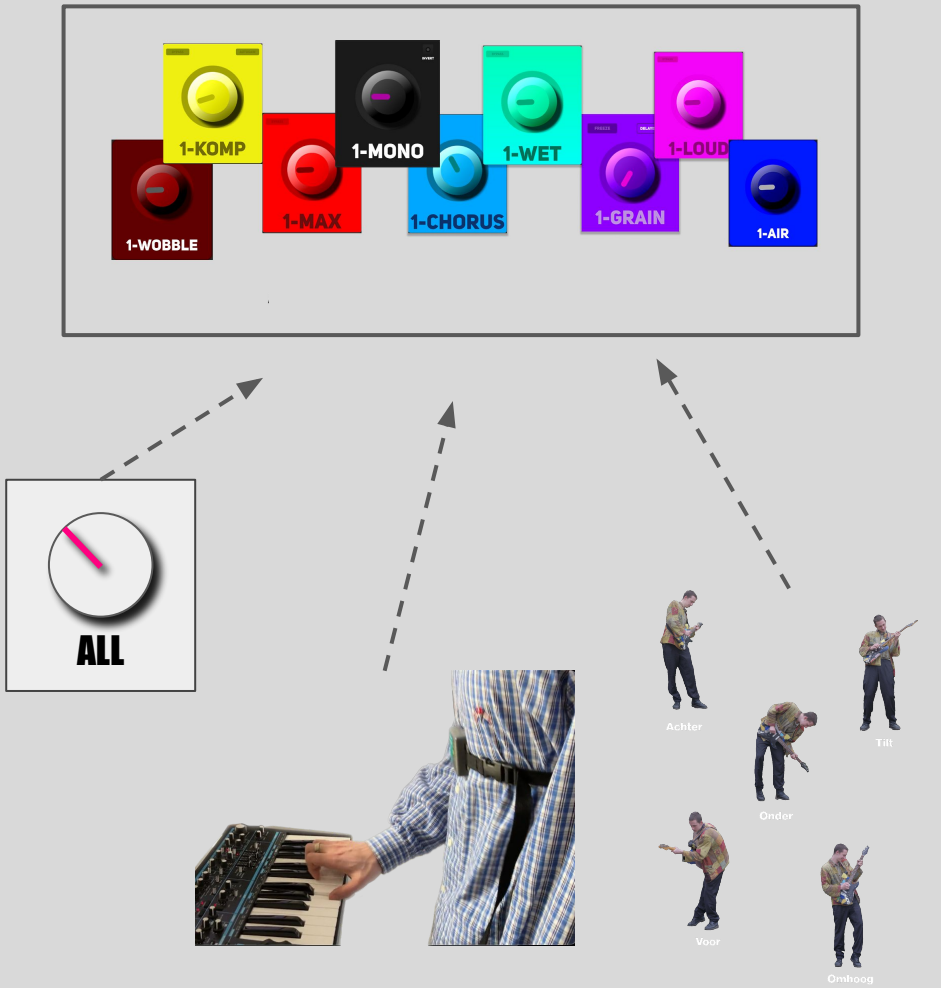
Design and implement (in C++)
a **multi-effect**,

of which **multiple effect parameters** can be controlled by **one overall parameter**,

thus via a **‘single gesture’**.

image source: https://23dsp.gumroad.com/l/1-mono

CHICO STA
JUST DO

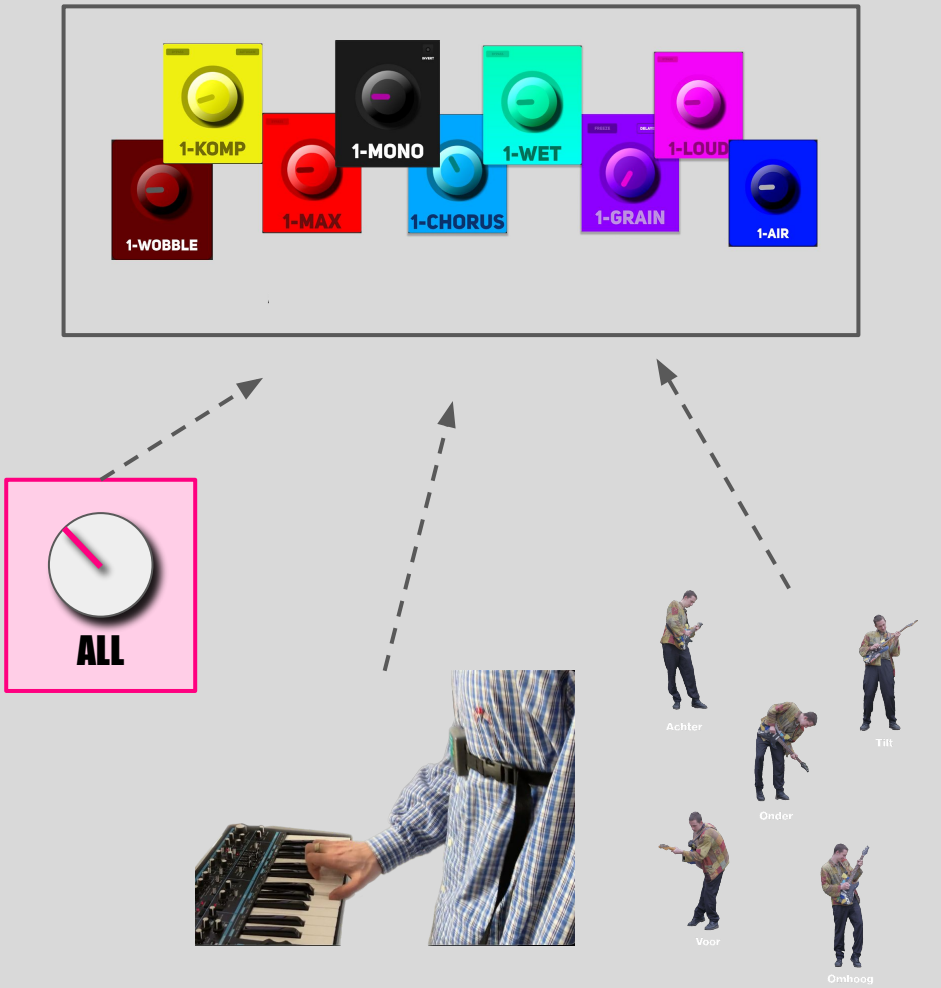


Main assignment

Design and implement (in C++)
a multi-effect, of which multiple effect parameters can be controlled by one overall parameter, thus via **a ‘single gesture’**.

Three options

image source: https://23dsp.gumroad.com/l/1-mono



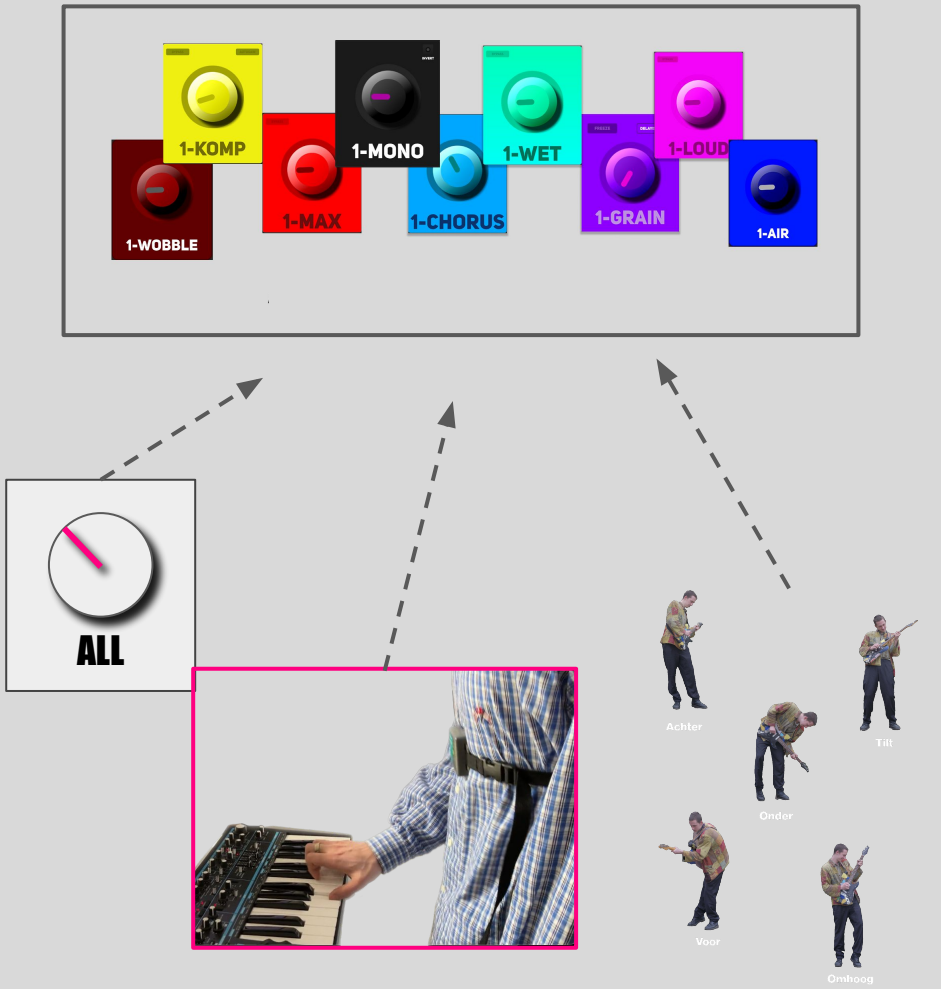
Main assignment

Design and implement (in C++)
a multi-effect, of which multiple effect parameters can be controlled by one overall parameter, thus via **a ‘single gesture’**.

Three options

- **PLUGIN FOCUS**
  A one knob multi-effect plugin

image source: https://23dsp.gumroad.com/l/1-mono



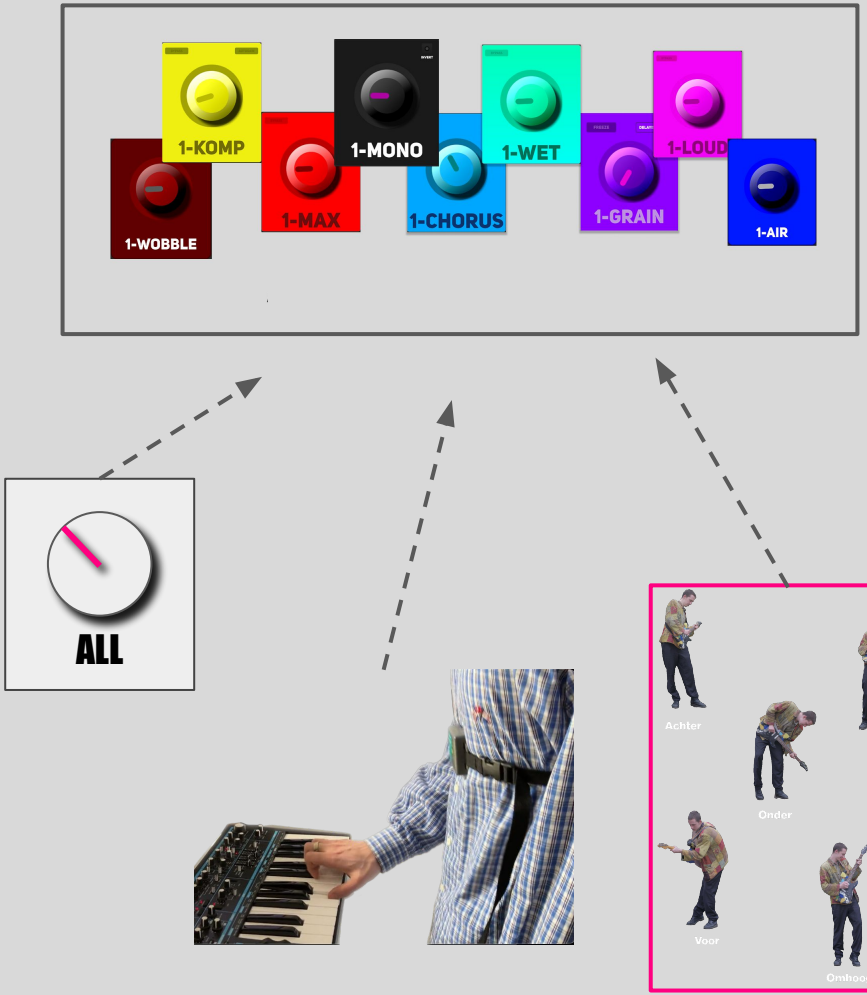
Main assignment

Design and implement (in C++)
a multi-effect, of which multiple effect parameters can be controlled by one overall parameter, thus via **a ‘single gesture’**.

Three options

- PLUGIN FOCUS
- **PLUG&PLAY FOCUS**
  A ready-made controller over OSC

image source: https://23dsp.gumroad.com/l/1-mono



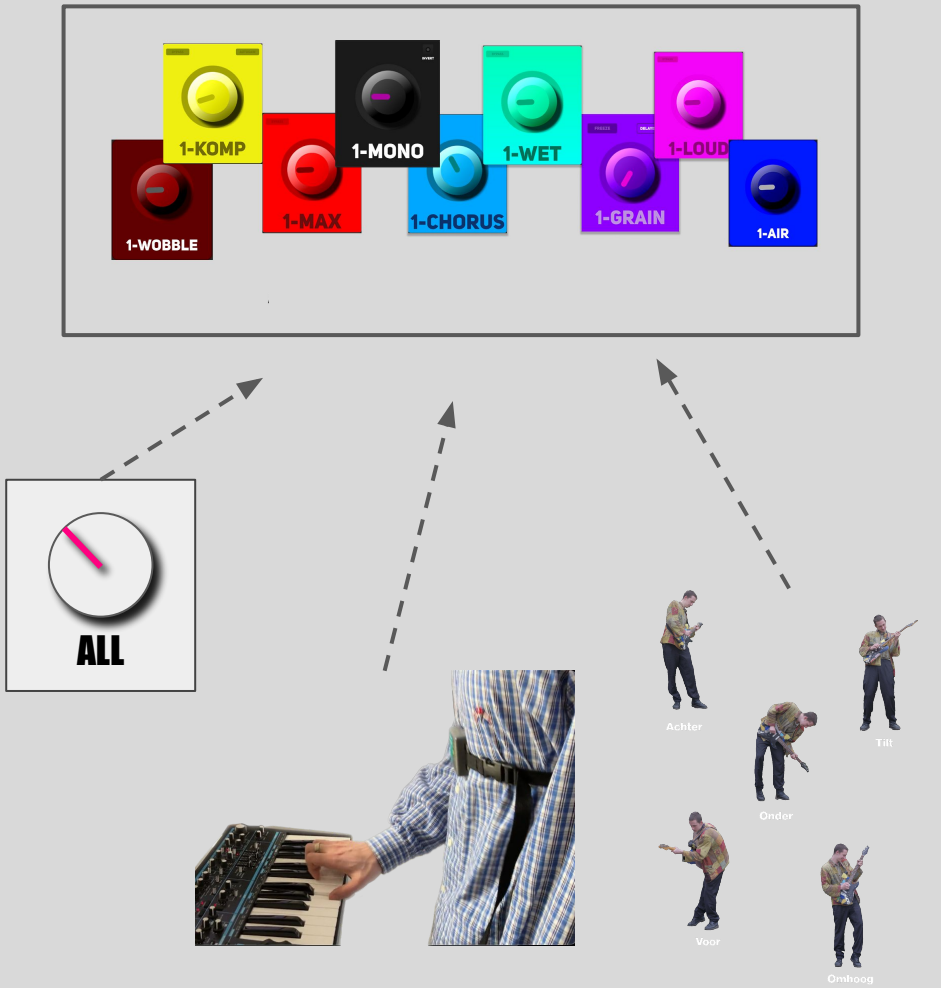
Main assignment

Design and implement (in C++)
a multi-effect, of which multiple effect parameters can be controlled by one overall parameter, thus via **a ‘single gesture’**.

Three options

- PLUGIN FOCUS
- PLUG&PLAY FOCUS
- **CUSTOM FOCUS**
  A custom-made controller over OSC

image source: https://23dsp.gumroad.com/l/1-mono



Main assignment

Design and implement (in C++)
a multi-effect, of which multiple effect parameters can be controlled by one overall parameter, thus via **a ‘single gesture’**.

Three options

- PLUGIN FOCUS (> 6)
- PLUG&PLAY FOCUS (> 5)
- CUSTOM FOCUS (> 3)

At least three effects with combined effect difficulty level > …

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Onderwerpen

Effecten

OOP

Git branching

Image processing

Opzet Blok 2c - Plannen

	Theorie	Code clinics
1	Introductie, terugblik CSD2b, tremolo	Circular buffer
2	Presentatie	Interpolatie
3	Presentatie optie 2	
4	ROOSTER VRIJE WEEK	*wel verder werken aan het project*
5		
6		
7	Snippets en tests van eindopdracht	
8	Eindpresentatie	n.v.t.

CSD 2c - Inzet/investering

- 6 ECTS -> 21 uur per week (incl. roostervrije week)
- 9 contacturen per week
  - C++ theorie, code clinics en practicum
  - DSP (Pieter Suurmond)
  - [Optioneel *] Maker Skills (Roald van Dillewijn, Hans Leeuw, Ward Slager)
  - [Optioneel **] Multichannel (Poul Holleman)
- 12 uur zelfstudie/werk per week

(* voor iedereen aangeraden

(** aangeraden bij belangstelling voor meerkanaals audio