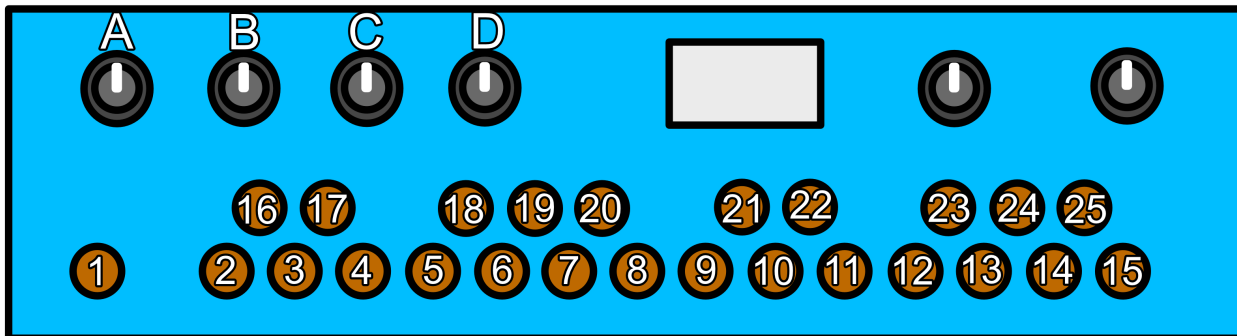


# Super-Synth-Engine Controls



## Knobs

A: AMP EG = Controls amplitude over time (Knob fully to the left will give you a simple gate)

**If the ARP is turned on and set to internal clock, KNOB A will control ARP-speed**

B: FILTER EG = Controls filter cutoff over time (Knob fully to the left will turn of Filter-EG)

C: FILTER CUTOFF = Set the cutoff frequency of the filter

D: FILTER RESONANCE = Boost the frequencies around the filter cutoff frequency

## Shift-Mode Controls

Press & hold Aux-button (1) to engage shift-mode

2: Select oscillator 1 waveform (sawtooth, square, triangle)

3: Select oscillator 2 waveform (sawtooth, square, triangle)

4: Select mix between OSC 1 and OSC 2 amount

5: Tune OSC 2 to an octave above, detuned octave, a 5th or unison (please note that the oscillators are by design always slightly unstable)

6: Select Filter EG amount (negative & positive EG possible = add to or subtract from cutoff frequency)

7: Select effects (Chorus & Phaser)

8: Select reverb setting

9: Switch between modes: *Polyphonic*, *Monophonic*, *Re-Articulation(Mono)* and *Glide(Mono)*, *ARP (internal clock)*, *ARP (external clock, if no external clock = no sound)*

10: Select ARP clock division

11: Turn MIDI sync on & off (will change LFO speed to rhythmic divisions)

16 & 17: Transpose the oscillators up and down by octaves

18 & 19: Turn on pulse-width modulation and set speed (an oscillator need to be set to square)

20: Select LFO modulation destination (filter or oscillator pitch)

21 & 22: Select LFO modulation amount

23 & 24: Select LFO speed (HZ or rhythmic divisions)

25: Select LFO waveform (triangle, ramp, square or sample&hold)

12: Preset Bank 1 (Retro Synths & Leads)

13: Preset Bank 2 (Classic String Synths & Plucky Sounds)

14: Preset Bank 3 (Organs, Marimba, a Phasing-Cembalo & Lofi-Synths)

15: Preset Bank 4 (Pads & Flutes)

**Press & holding the Aux(1) and B5-Key(15) for 5 secs. will reset all settings to default (=Init. Patch)**