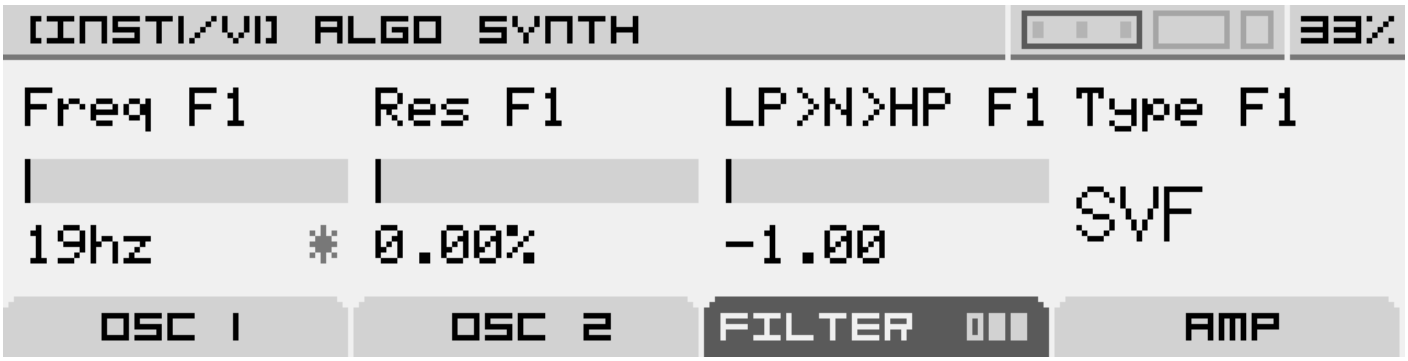
Filter Section

Within each Machine, the sound source is always routed through a similar Filter section, available on Tab 3.

Each Filter section then goes to an **Amp section** before going to the **Mixer**.

The Filter section is always on Tab 3 in every Machine.
This filter tab has 3 pages containing different controls. When a Tab header displays small bar icons, click its corresponding
button underneath to jump between its pages.

Main screen of Filter section



Page 1:

Filter 1 Frequency	**Filter 1 Resonance**	***(Filter Morph)*** ***-or-*** ***(Filter Gain)***	**Filter 1 Type**
Controls the filter's cutoff frequency	Controls the filter's resonance amount	*Morph between the filter types, from Low-Pass to Notch to High-pass. This parameter is only available when the filter type is set to SVF for State Variable Filter.* *-or-* *Set the EQ gain. This parameter is only available when the filter type is set to Bell EQ.*	Select a filter type and slope. Read the filter types reference below for details on every filter available. This parameter cannot be modulated.

Page 2 is the same as page 1, but controls Filter 2. In order to unlock it, you need to have the Routing on page 3 on a setting other than Single.

Filter types reference:

Off	The filter is bypassed
SVF	State Variable Filter model. Use Knob 3 to morph between filter types
K35 LP12 / HP6	Korg 35. Inspired by the MS-20 filter.
TLD LP 6/12/18/24	Transistor Ladder Filter model. Inspired by the classic Moog filter. Low-Pass with a selection of slopes from 6dB/oct to 24/dB/oct
TLD N 12/24	Transistor Ladder Filter model. Inspired by the classic Moog filter. Notch filter with 12dB/oct and 24dB/oct slopes
TLD BP 12/24	Transistor Ladder Filter model. Inspired by the classic Moog filter. Band-pass with 12dB/oct and 24dB/oct slopes
DLD LP24	Diode Ladder Filter model. Inspired by the TB-303 filter. Low-pass with a steep 24dB/oct slope.
COMB +/-	Comb filter for hollowed-out sounds and wooshes effects. With positive or negative feedback (resonance)
FORMANT	Formant filter for vowel sounds. Morph through A-E-I-O-U with Knob 1.
BELL EQ	Simple 1-band equalizer to increase or decrease a selected frequency region. Knob 2 will adjust the bell width and Knob 3 will set the gain

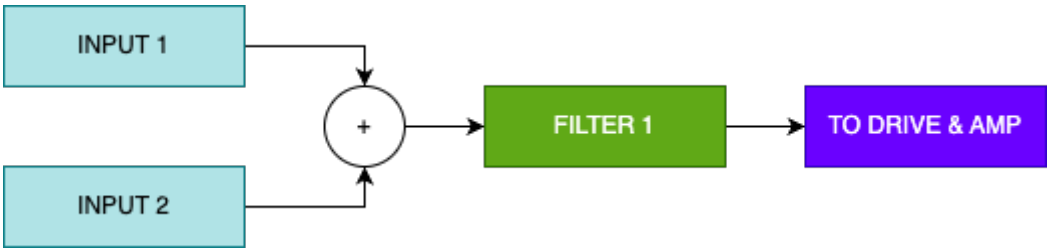
Page 3 allows for filter routing options:

Routing	**Balance between filter 1 and 2**	**-**	**-**

Select a routing configuration for the filters. Single enables only filter 1. Serial routes the output of Filter 1 to Filter 2. Para will route both filters in parallel Split will split the sound sources into the two filters, depending on the Machine select.	Controls the volume of both filters at the output. Fully clockwise only filter 2 will be heard, and fully counter-clockwise it will be only filter 1.	-	-

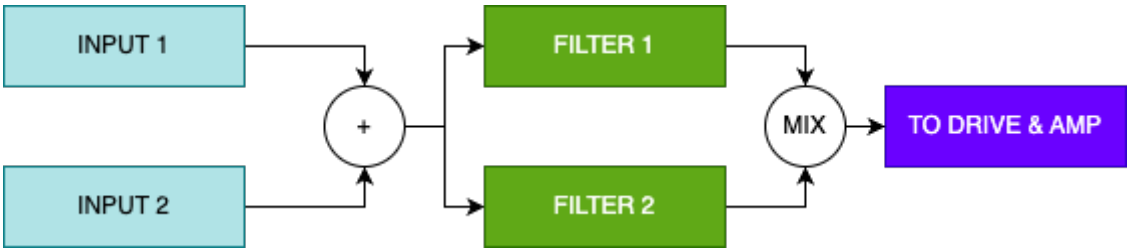
Filter routing

Single filter :

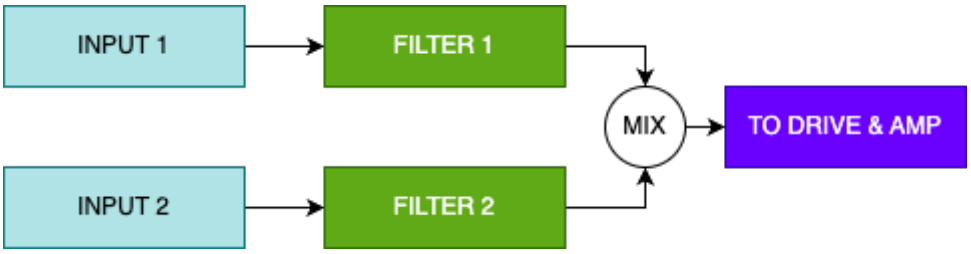


Serial filters :

Parallel filters :



Split filters :



Input reference (per machines types)

Machine	Input 1	Input 2
Algo synth	Oscillator 1	Oscillator 2
Wavetable synth	WT Oscillator + Noise	Sub oscillator
Sample player	Sample	Noise
Crossmod	Crossmodulated output	-

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