

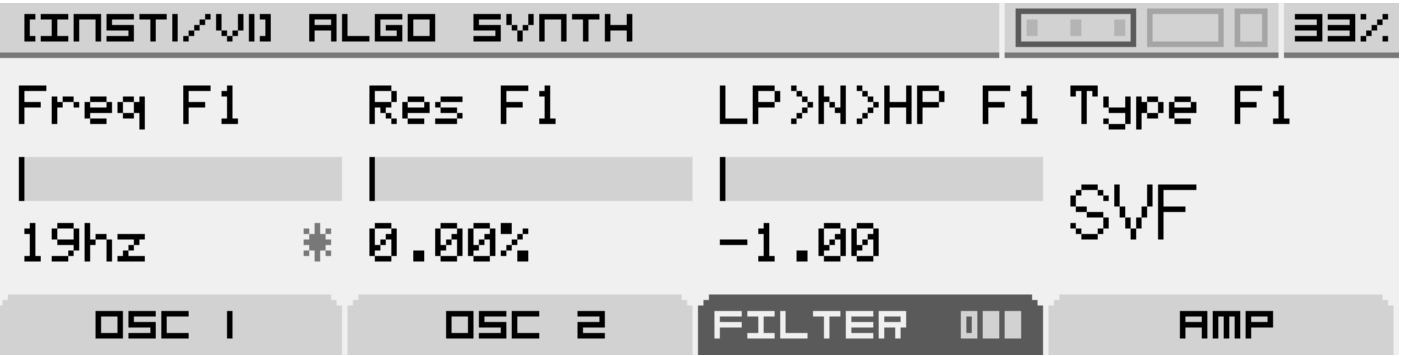
Filter Section

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 24dB/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

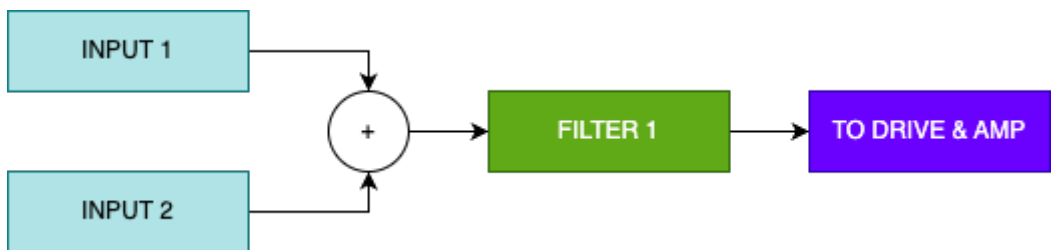
Page 3 allows for filter routing options:

Routing	Balance between filter 1 and 2	-	-
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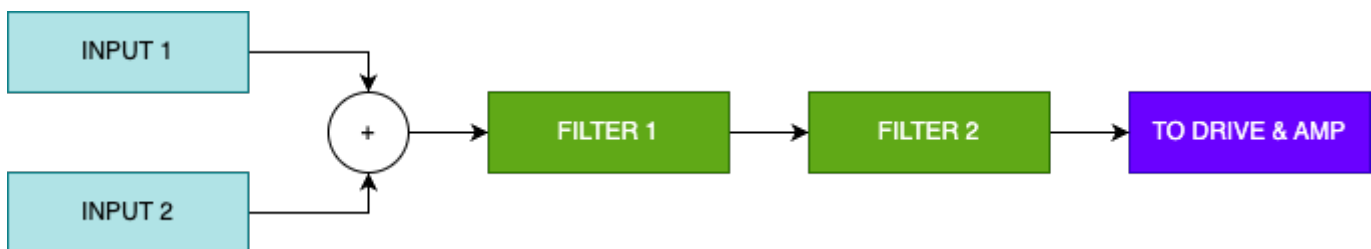
<p>Select a routing configuration for the filters.</p> <p>Single enables only filter 1.</p> <p>Serial routes the output of Filter 1 to Filter 2.</p> <p>Para will route both filters in parallel</p> <p>Split will split the sound sources into the two filters, depending on the Machine select.</p>	<p>Controls 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.</p>	-	-
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Filter routing

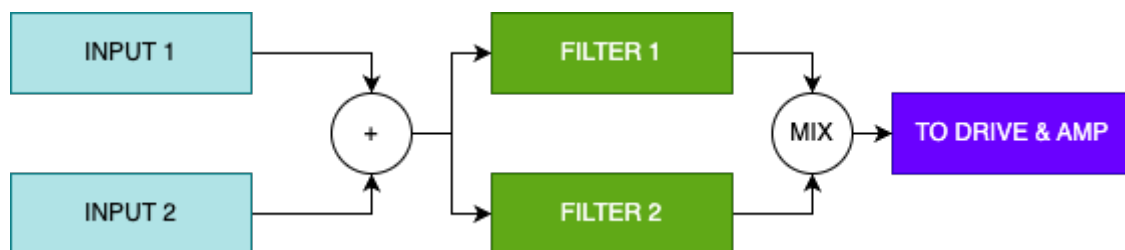
Single filter :



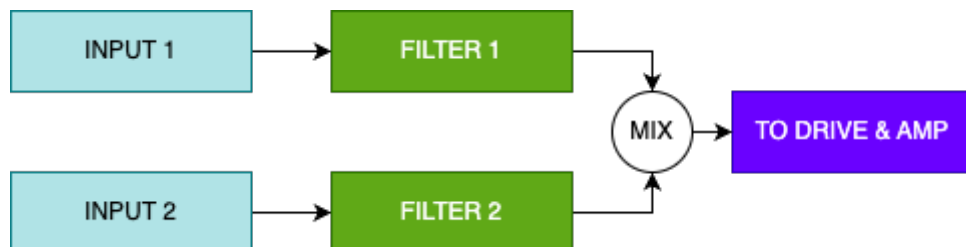
Serial filters :



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	-

Revision #14

Created 19 December 2024 17:21:33 by Paul

Updated 13 March 2025 08:56:49 by Vincent