SLEW LFO

USER MANUAL

Thank you

Thank you for purchasing Slew/LFO module.

As is name implied you could think that SLEW/LFO is just a Slew and a LFO packed together but it more than that.

We wanted to design a module around the Slew generator which is a underestimate function of a synth. It often seen and use as a way to make portamento but we've thought it could be more than that.

We wanted to design a small module so it could fit in any case. We want it to be ergonomic and easy to use despite is size. But we also wanted to pack as much features as possible to make of it a "swiss knive module".

The result is SLEW/LFO a 4HP width module, that can be use a portamento, AD envelope, LFO, VCO, Filter, Envelope generator and much more.

SLEW/LFO is so versatile that we use in all our patchs, we are very pleased about it and we hope you'll like as much as we are.

Summary

01 Introduction

02 Installation & power safety

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04 Patch Ideas

05 Patch Ideas

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1

Unplug you rack power from the main.

2

As shown on the sketch on the right, align the red line from the power ribbon cable with the line draw next to the power connector.

3

Check twice the alignment of the ribbon cable.

4

Set to LFO mode
Set the speed to HIGH
Set Rise knob to 0
Set Fall knob to 0

5

Plug you rack power to the main and power you rack.

4

If the LEDs above the output light up you module is ready, if not please contact us at : contact@blacknoisemdodular.com

General Specifications

Power Consumption
+12V : 24mA
-12V : 16mA
+5V : 0mA

Panel Width
4HP

Module Depth
20mm - skiff friendly

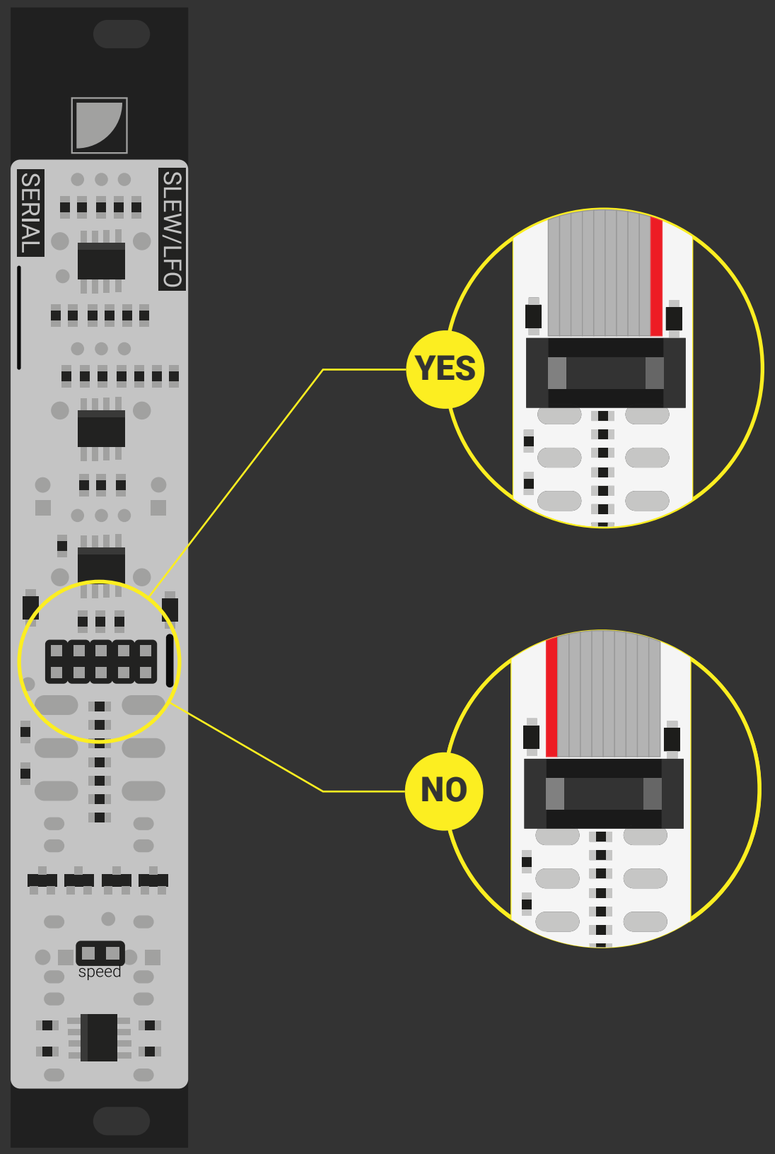
Warranty

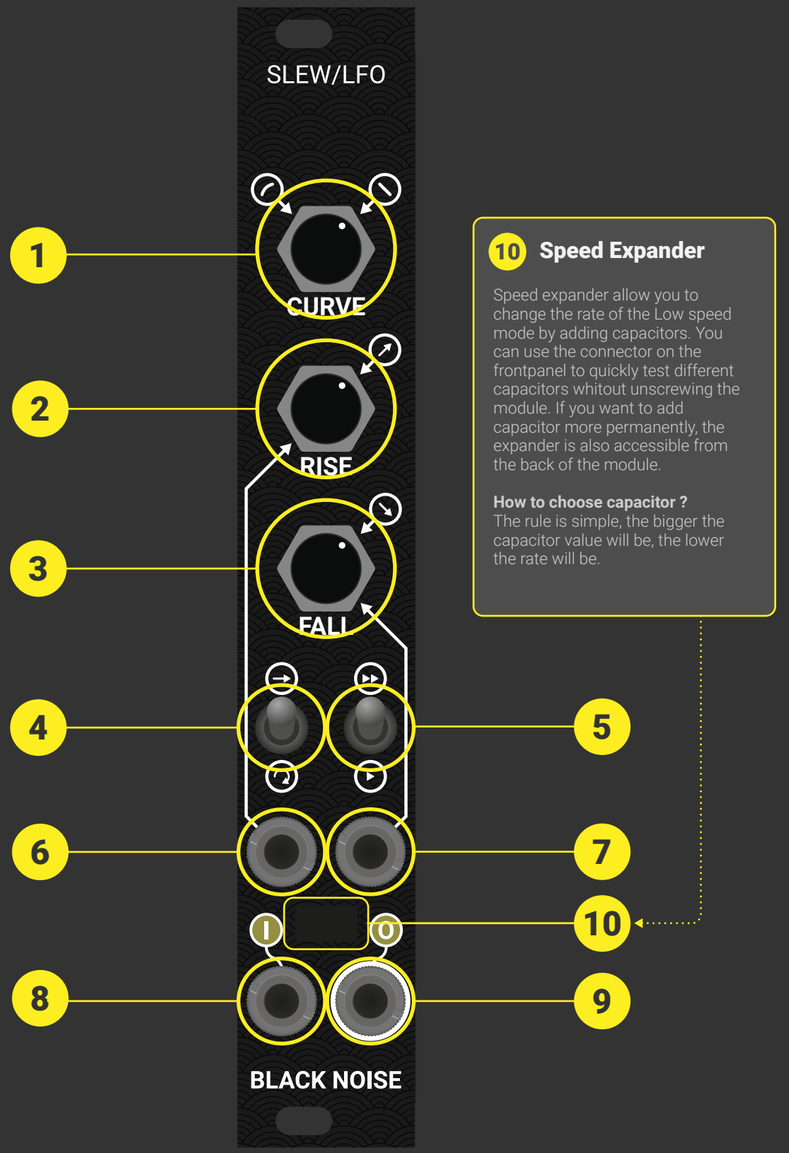
BLACK NOISE warrants is products to be free of defects in materials or workmanship and to be conform with the specifications at the time of shipment for a period of two years from the date of purchase.

During that period any malfunctionning or damaged units will be repaired, service and calibrated into your workshop. This warranty does not cover any problems resulting from damages during shipping, incorrect installation or power supply, abusive treatement, or any other obvious user-inflicted fault.

If your product warranty is passed, it still can be serviced as long as parts are available in our workshop. We reserve the right to charge for labor, parts and transit expenses where applicable.

Before sending your product to our workshop please contact us for RMA and details. Any unsolicited parcel will be rejected and or returned. The postage to our workshop is on the customer. The return of your module is on us. BLACK NOISE can not take any responsability for damages caused during transport.



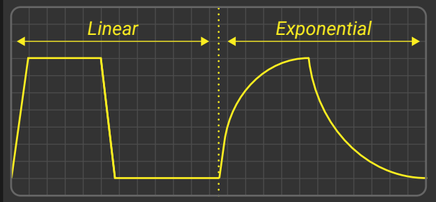


10 Speed Expander

Speed expander allow you to change the rate of the Low speed mode by adding capacitors. You can use the connector on the frontpanel to quickly test different capacitors whitout unscrewing the module. If you want to add capacitor more permanently, the expander is also accessible from the back of the module.

How to choose capacitor ?
The rule is simple, the bigger the capacitor value will be, the lower the rate will be.

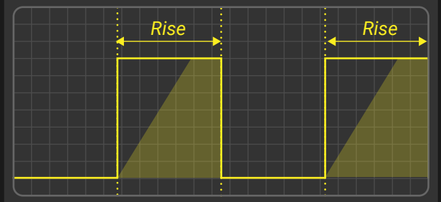
1 Curve



In slew mode
Curve control convert you input signal to linear or exponential. *I can also be used as a pseudo low pass filter.*

In LFO mode
Curve control the shape to the *LFO* from linear to exponential shape.

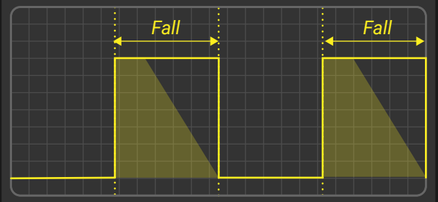
2 Rise



In slew mode
Rise control allow you to change to time for the incoming signal to rise to is maximum voltage.

In LFO mode
Rise control the time for the LFO to rise to is maximum voltage.

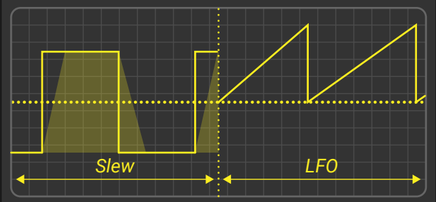
3 Fall



In slew mode
Fall control allow you to change to time for the incoming signal to fall to minimal voltage.

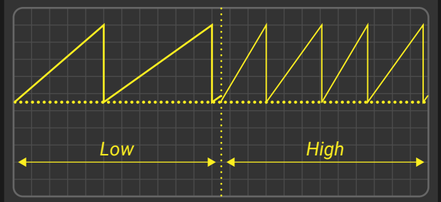
In LFO mode
Rise control the time for the LFO to fall to 0V.

4 Mode selector



Mode selector allow to switch to *Slew* or *LFO* mode. When in *LFO* mode, input signal is bypassed.

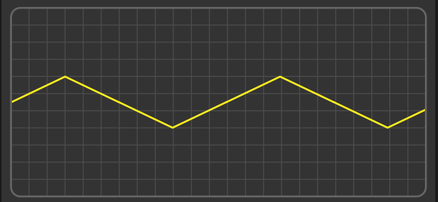
5 Speed selector



In slew mode
Speed selector allow to switch between Low slew rate and High slew rate.

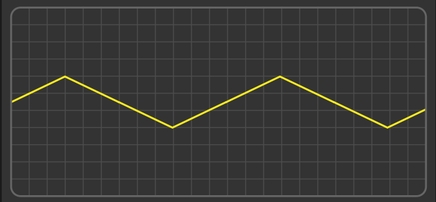
In LFO mode
Speed selector allow to switch between LFO rate and audio rate.

6 Rise CV Input



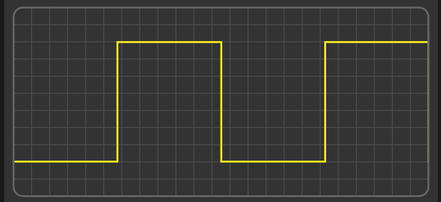
Rise time can be CV controlled using the *Rise CV input*. When CV is plug Rise knob act as a attenuator of the *Rise CV input*.

7 Fall CV Input



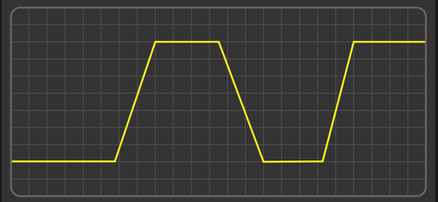
Fall time can be CV controlled using the *Fall CV input*. When CV is plug Fall knob act as a attenuator of the *Fall CV input*.

8 Signal Input



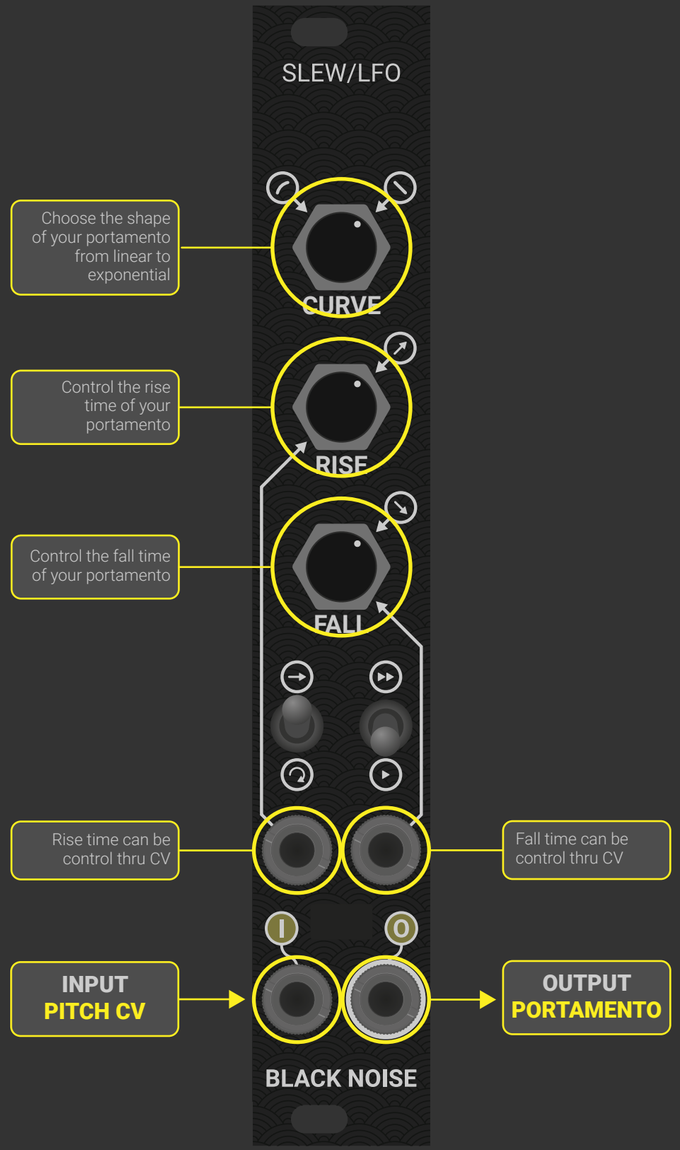
Input for signal to process. When set to LFO mode the input signal is bypassed.

9 Signal Output

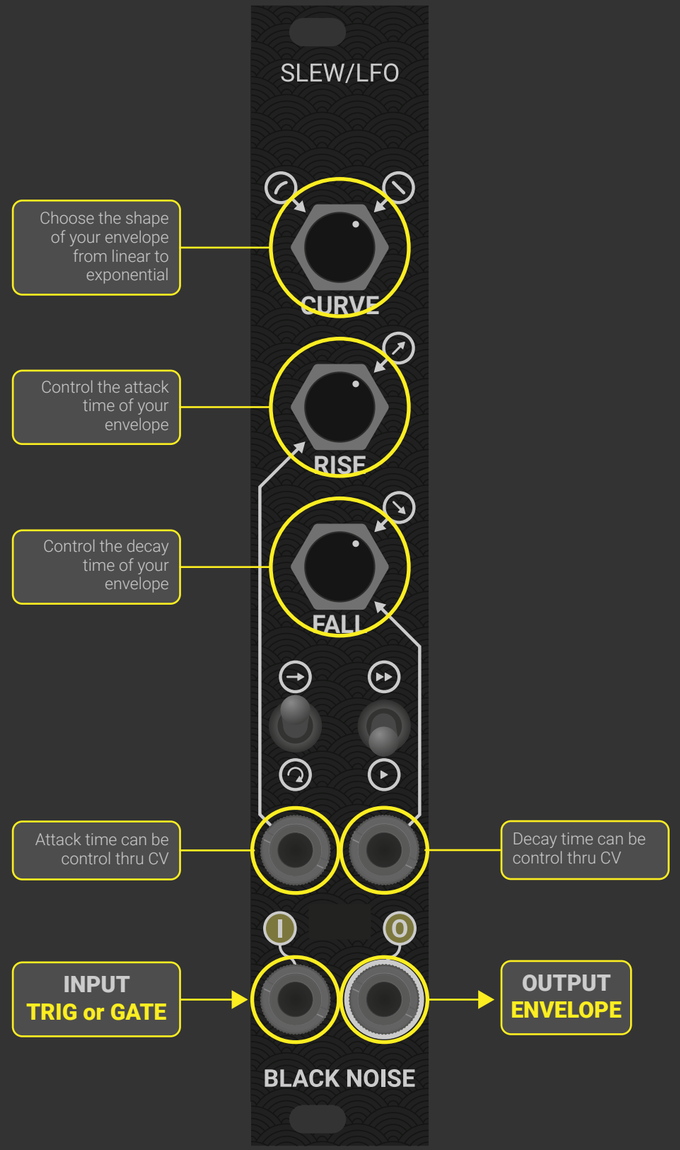


Output for processed signal.

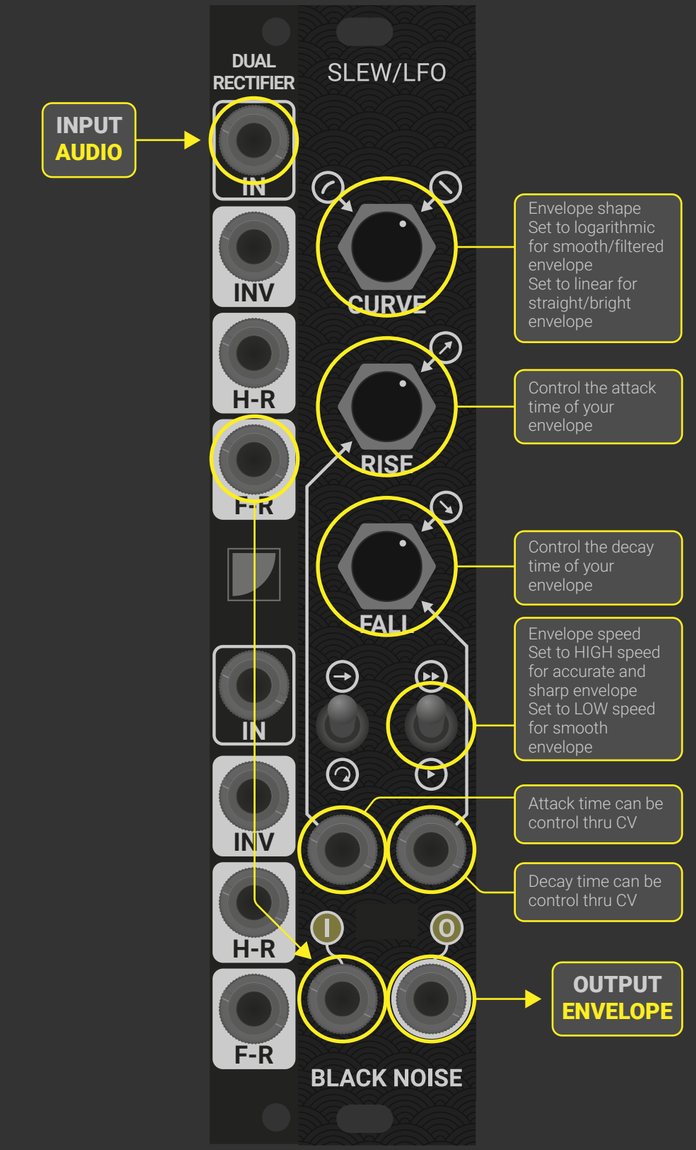
1 Portamento



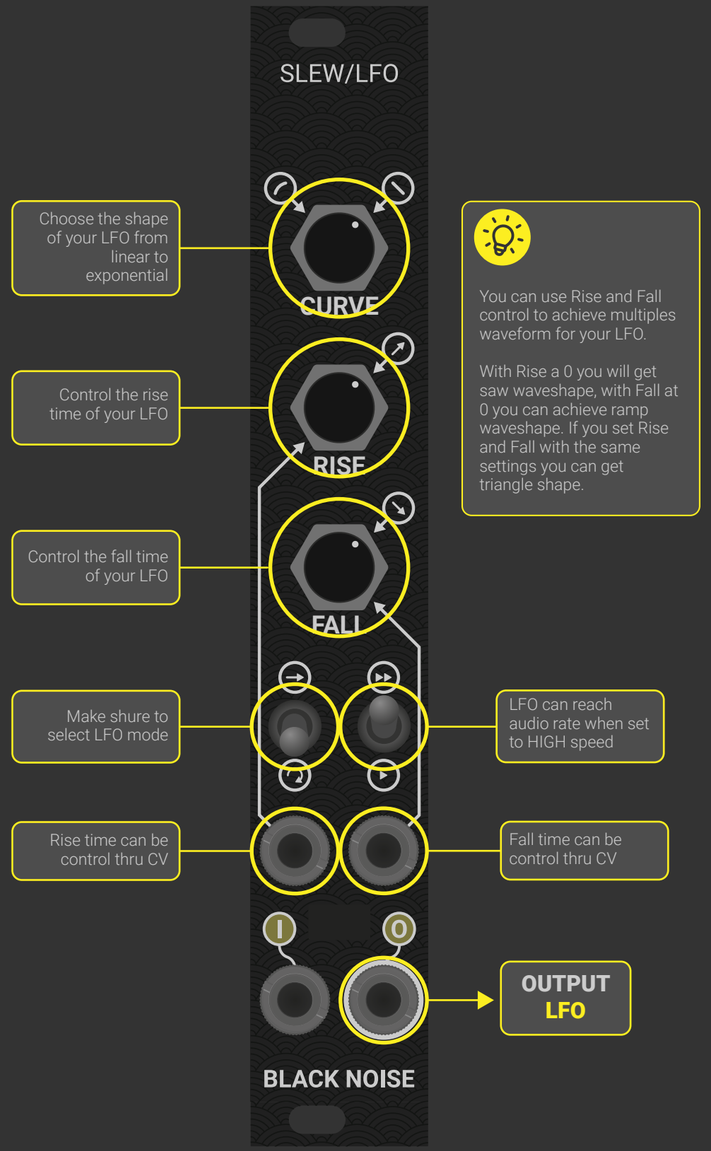
2 AD Envelope



3 Envelope Follower



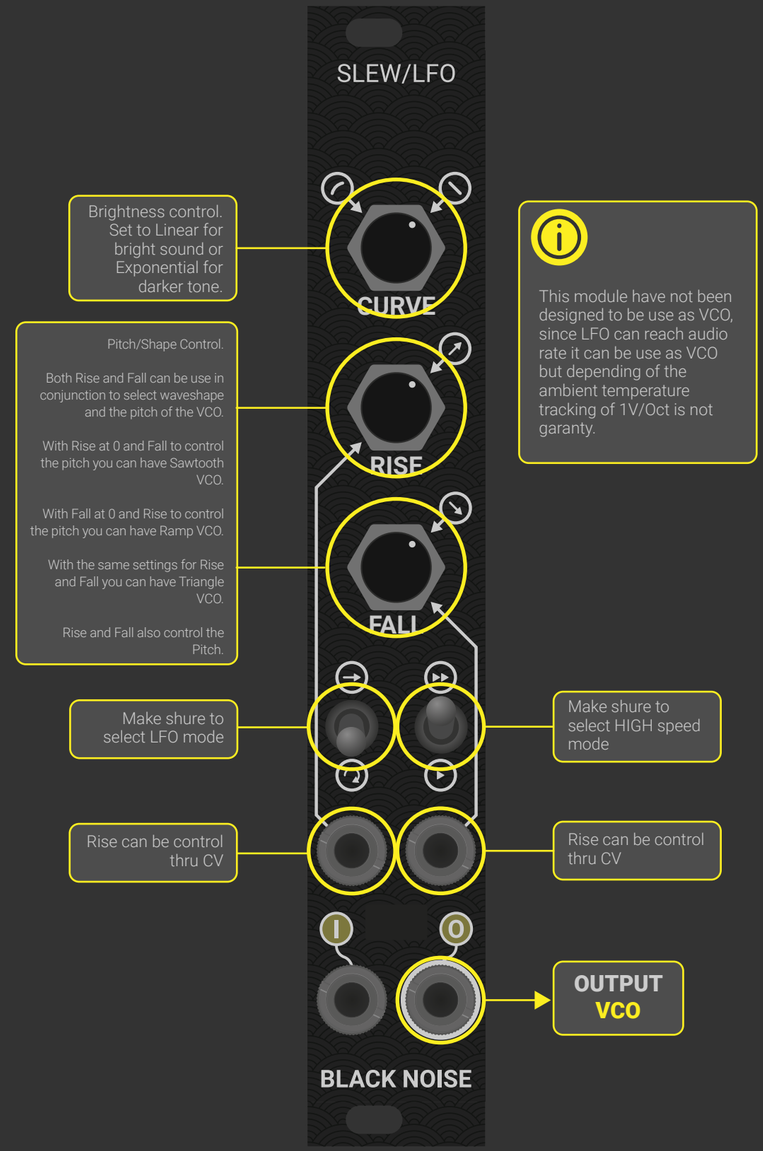
4 LFO



You can use Rise and Fall control to achieve multiples waveform for your LFO.

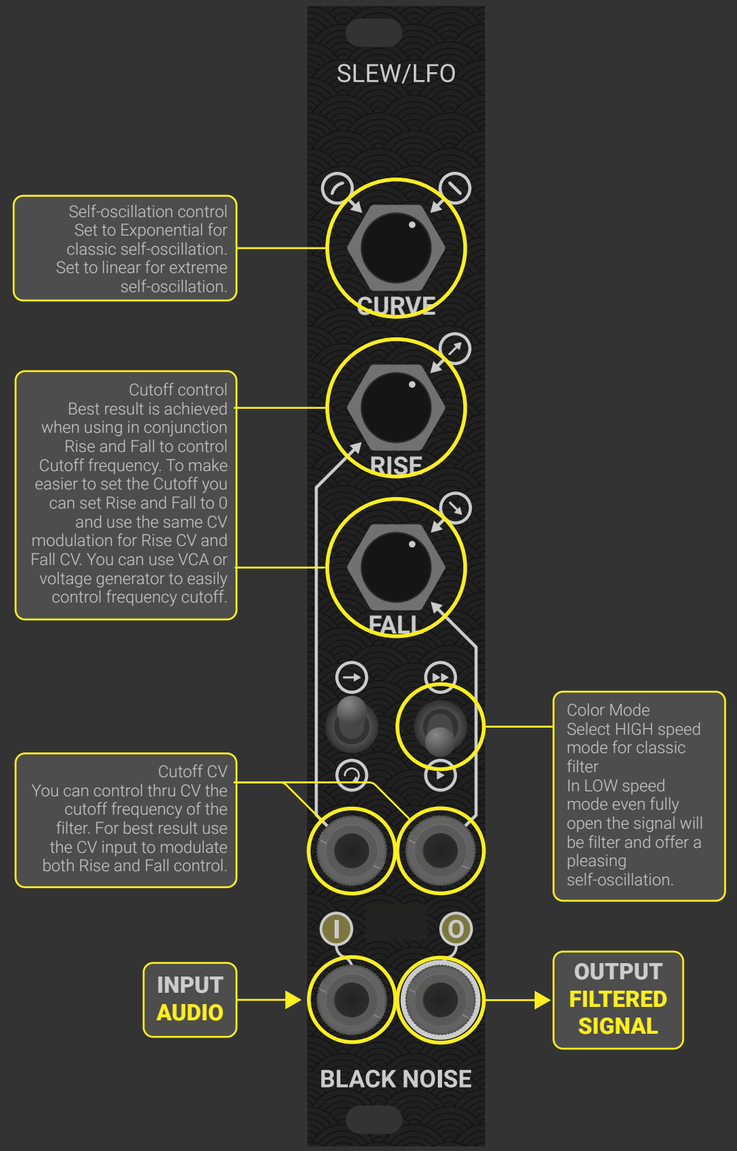
With Rise a 0 you will get saw waveshape, with Fall at 0 you can achieve ramp waveshape. If you set Rise and Fall with the same settings you can get triangle shape.

5 VCO



This module have not been designed to be use as VCO, since LFO can reach audio rate it can be use as VCO but depending of the ambient temperature tracking of 1V/Oct is not garanty.

6 Low Pass Filter



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