

The

AvonSynth

User Guide

AVS-LFO-2 Voltage Controlled LFO



Thank you for purchasing from AvonSynth

Congratulations on your purchase of a brand new AvonSynth AVS-LFO-2 VC-LFO Eurorack Module. We trust that it will both serve and inspire you as you create beautiful music with it for years to come.

In order to get the most out of your module, please ensure that you read this User Guide in its entirety so that you fully understand all of its functionality, and that you follow all necessary safety directions during use.

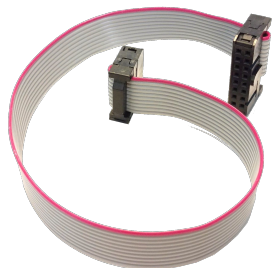
Included in the Box

1 x VC-LFO Module

1 x 10 pin to 16 pin flat-cable power cord

4 x M3 Mounting Screws

4 x Nylon Washers



Installation

Step 1: Power your system off. Place the module in your Eurorack-compatible rack in any convenient position. Affix the module to your rails using the included mounting screws and nylon washers. Neglecting to use these washers may result in unnecessary marking of the unit.

Step 2: Triple check the polarity of the power connector before connecting the power cord to your power supply. Ensure that the -12v line marked on the back of the module connects to the same end of the flat-cable that also connects to the -12v line on your power supply. While AvonSynth modules use shrouded connectors that make this process safer and more reliable, some systems do not conform to this polarity standard, so careful checking is **always** necessary. Connecting the module with incorrect polarity can result in irreversible damage done to the module which cannot be covered by warranty.

Step 3: Power up your system and start patching!



Features & Specifications

- Fully analogue Voltage Controlled LFO module with range from approx. 0.1Hz to approx. 20Hz
- 10 HP wide (50.5mm), 20mm deep
- Current consumption: +12V 55ma, -12V 55ma
- Flexible control of frequency with attenuated CV input
- Separate Fine-tune control allows high accuracy frequency setting
- 3-position speed rocker switch for selecting frequency ranges
- Skew control morphs triangle output from sawtooth through triangle to ramp waveforms
- Skew CV input with attenuator for creative waveshape modulation
- Pulse output with pulse-width modulated by Skew knob and CV
- Sine wave output that skews left and right with Skew knob and CV
- Reset input that accepts a trigger-style signal and resets the LFO to the mid-point
- Reset polarity switch selects the direction the LFO travels after being reset
- Dual-colour LED indicator that shines with proportionate brightness red when the output is positive, and green when the output is negative

Description of Functionality

Frequency & Fine Tuner

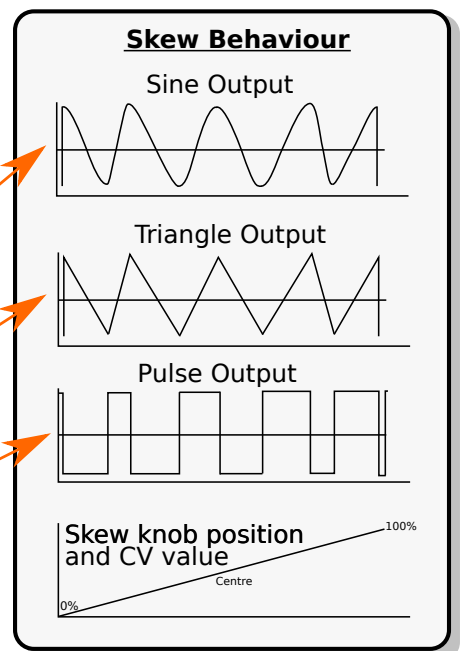
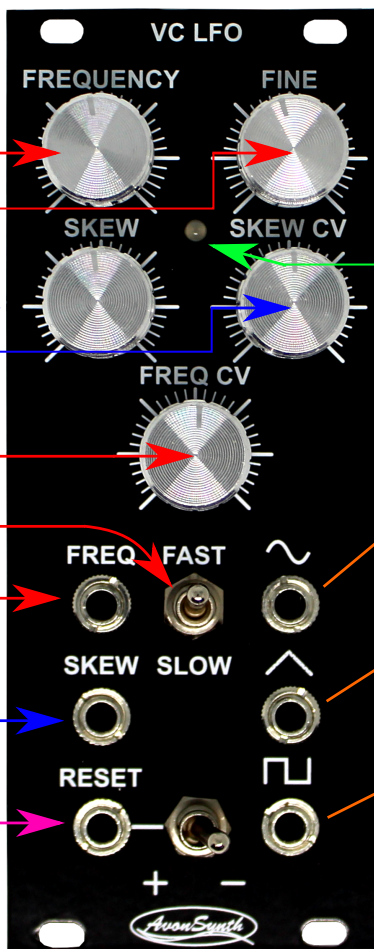
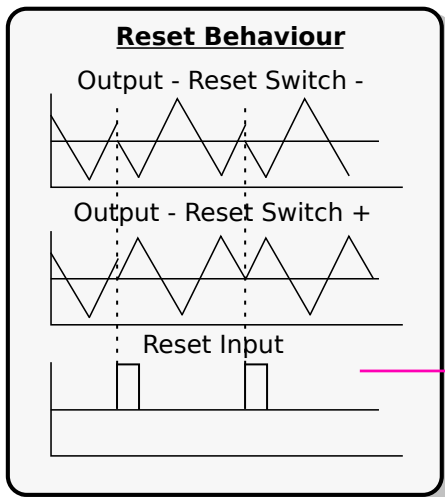
Frequency knob controls the rate of the LFO's oscillation in conjunction with the Fine tune knob, Frequency CV, and Speed switch.

Skew & Skew CV

Skews the shape of all three outputs as shown in the 'Skew Behaviour' box on the right-hand side.

LFO Position Indicator

Shines red when the LFO is in the positive side of its cycle, and green when in the negative side. Brightness is proportional to distance from ground.



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Safety Precautions

Please use this module in accordance with the following safety guidelines in order to maximize the life of the module and ensure warranty from AvonSynth.



Keep water and other conductive liquids and materials away from this module. It is not water proof, or even water resistant. Exposure to these can cause short-circuits that can render the equipment unusable.



Be sure to keep this equipment in an environment with an ambient temperature above -20°C and below $+50^{\circ}\text{C}$. Excessively hot or cold temperatures can be damaging to the electronic circuits used.



Modules with exposed circuit-boards are delicate. Take the utmost care when handling and transporting this equipment, making sure not to subject it to excessive forces. Ensure that the module is installed correctly while being transported and that the original packing materials are used when sending the module anywhere by post.

Warranty & Support

This product is covered by AvonSynth's warranty for one year from the manufacturing date. Within this timeframe, any manufacturing defect will be repaired or replaced by AvonSynth. Damage caused to the product due to not following the safety precautions above, unauthorized modification of the hardware, or misuse such as subjecting the unit to reverse or excessive voltages will void this warranty.

If you have any concerns about your AvonSynth hardware, please get in touch via info@AvonSynth.com to discuss any issues. We will do our best to assist you in getting your hardware operating correctly, and if necessary, we will provide an RMA (Return Merchandise Authorization) to send back the unit for inspection. Any postal costs incurred in this process will be the responsibility of the customer. Please do not send back merchandise before receiving this authorization.