

Sine



Contents

Description	3
Installation	4
Specifications	4
Diagram	5
Functional Overview	6
1. Fold	6
2. Fold Knob	6
3. Blend	7
4. Blend Knob	7
5. Frequency Knob	7
7. V/Oct	7
8. Sub	7
9. Out	7

Description

Sine is a harmonically pure VCO with two distinct outputs. The primary output contains a perfect sine wave with a wide frequency range and pristine volt per octave tracking. The Sub output features two sine tones that can be blended together to achieve a mix of one octave below, or a fifth above the primary output's frequency. In addition, both outputs have an internal wavefolder that adds harmonic content to the signal allowing for spectrally complex tones within a single module. Keep your tones pure (or not!) with Sine.

- Digital Architecture ensures harmonically perfect sine wave
- Internal Wavefolding
- Two distinct outputs
- Sub output can be octave below or fifth above

Installation

To install, locate 2HP of space in your Eurorack case and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most systems, the negative 12 volt supply line is at the bottom. The power cable should be connected to the module with the red band facing the front of the module.

Specifications

- Size: 2HP
- Depth: 42mm
- Current Consumption:
 - +12V: 80mA
 - -12V: 4mA

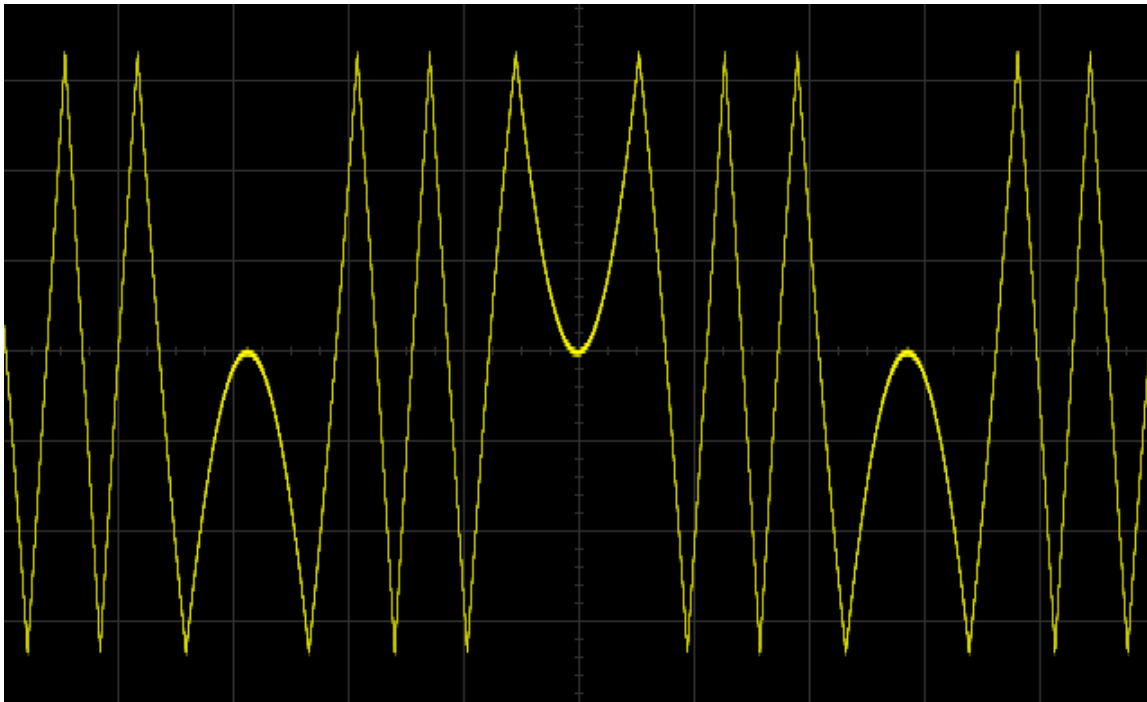
Diagram



Functional Overview

1. Fold

Wavefolding CV input.



Range: -5V to +5V

2. Fold Knob

Controls the amount of wavefolding on both the Sub and primary output waveforms.

3. Blend

Blend CV input. Blends Sub waveform between 1 octave below and a perfect fifth above primary output waveform.

Range: -5V to +5V

4. Blend Knob

Controls blending of Sub waveform. Fully counterclockwise corresponds to one octave below the primary output waveform. Fully clockwise corresponds to a perfect fifth above the primary output waveform.

5. Frequency Knob

Controls frequency of the primary and Sub output waveforms.

Out Frequency Range: 35 Hz to 4.45 kHz

7. V/Oct

1V/Octave CV input.

Range: -1.5V to 5.5V

8. Sub

Sub waveform output. Blend control allows for mixing between one octave below primary output waveform and a perfect fifth above.

9. Out

Primary waveform output.

