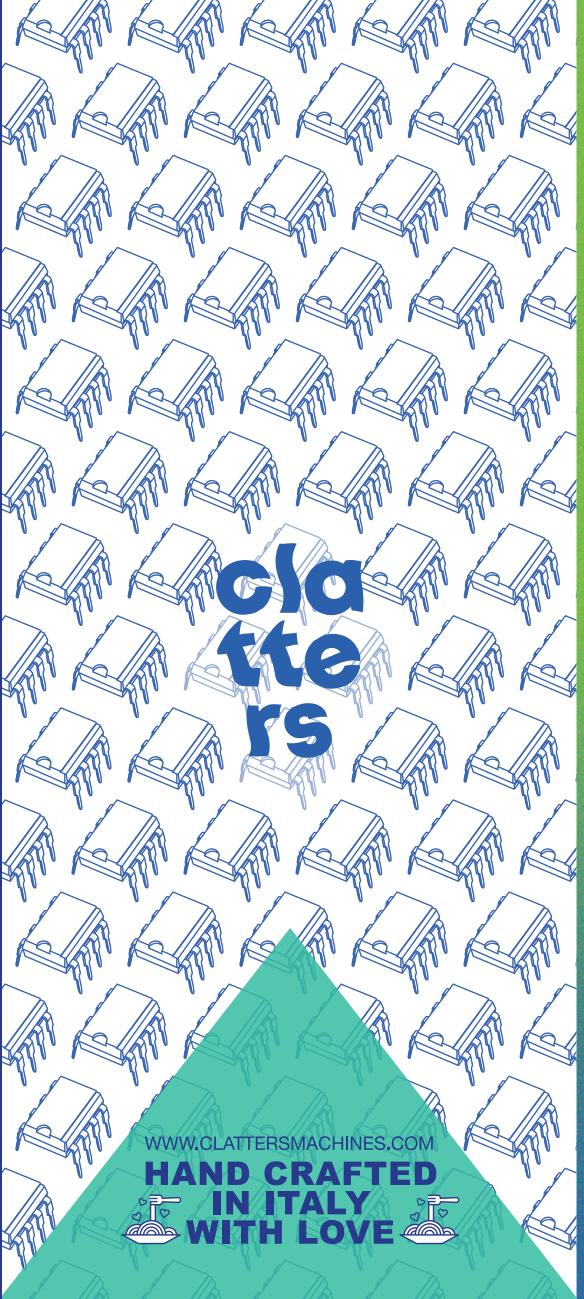
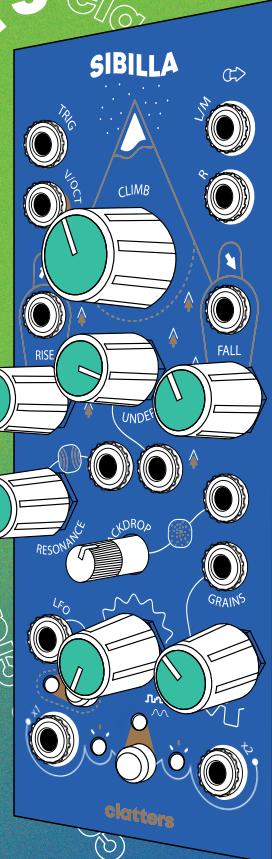


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SIBILLA

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HAND CRAFTED
IN ITALY
WITH LOVE

INSPIRED BY A MOUNTAIN,
DESIGNED BY THE SEA



SIBILLA

Sibilla is a digital stereo oscillator that aims to translate into music the beauty and harshness of a semi-barren mountain. Its sound is sculpted by various saw and sine waves running through intricate delay networks, altered by LFOs, white noises and creating constructive and destructive interferences.

Both stereo channels are the output stages of two feedback audio loops.

Each loop is made up by a main sub sinusoidal wave oscillator and two saw and sine waves with frequencies affected by the generation of harmonics (right channel) and subharmonics (left channel). All waves have different phases whose offset is constantly affected by minor variations created by two pairs of grains randomly fluctuating within the waves amplitude spectrum and being sampled at a certain speed.

Waves then meet to each other to a “common point”, together with two white noise sources, creating constructive and destructive interferences constantly affected by two LFOs movements.

Interferences are then run into a resonant low pass filter and then distributed to four different delay lines from which they are fed back into the audio loops at different time intervals depending on the grains movements.

Technical specs

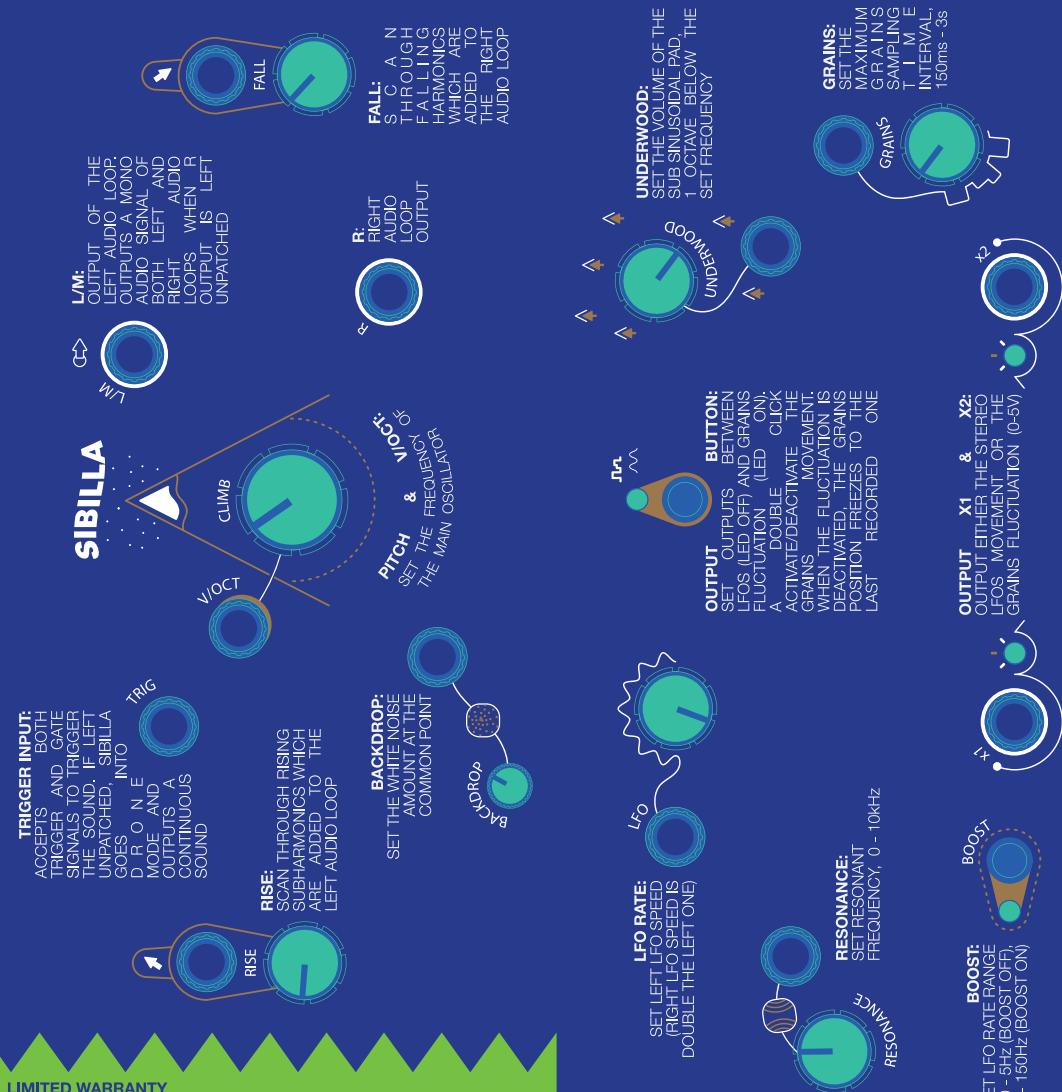
Materials
FR4 black PCB
with gold finish;

Current Draw
+12V: 125mA;
-12V: 30mA;
+5V: 0mA;

Dimensions
Width: 10HP;
Depth: 29.6mm;

LIMITED WARRANTY
THIS PRODUCT IS COVERED BY THE WARRANTY POLICY STATED ON
[HTTP://CLATTERSMACHINES.COM/WARRANTY-POLICY/](http://CLATTERSMACHINES.COM/WARRANTY-POLICY/)

BEFORE INSTALLING YOUR NEW MODULE, PLEASE REFER TO THE
DEDICATED PDF USER'S MANUAL ABOUT SAFETY AND ELECTROCUTION
HAZARD DOWNLOADABLE IN OUR DEDICATED DOWNLOADS SECTION:
[HTTPS://CLATTERSMACHINES.COM/USERS-MANUAL/](https://CLATTERSMACHINES.COM/USERS-MANUAL/)



EVERY PARAMETER OF SIBILLA, EXCEPT FOR THE TWO SWITCHES, IS CV CONTROLLABLE AND ACCEPTS A ±5V RANGE