

FLETTVERK

Flettverk is an experimental, touch plate synthesizer/processor intended for live electronics setups interfacing eurorack systems or other modular tabletop devices. The instrument is tuned for the upper part of the frequency spectrum producing squeaks, smacking, fluttering atonal melodies, clicks and the odd throb. Used as a processor the instrument takes on a dual role of sound-shaper and sound-source, mangling the incoming audio as the incoming audio mangles Flettverk. This is a temperamental device that may respond differently dependent on factors such as air humidity, surface condition, skin “quality” and nearby electromagnetic radiation.

The Pattern: Resistive touch-controlled interface. Intended to be played by hand. The pattern’s function is intentionally vague in order to encourage exploration. The different nodes of the pattern connect to different nodes of a 6 voice synth circuit within, creating oscillations and modulation between voices. There’s no right or wrong way to touch the interface. You may find minute changes in hand gesture rewarding, while others prefer a more violent approach. If the pattern feels unresponsive try adding a bit of humidity (a blow of moist breath or add some hand sanitizer/alcohol). *Preferably do not interface the pattern with metal objects as this may damage the device.*

Six buttons: Changes the mode of the individual synth voices. Different combinations will produce different behavior from the pattern. Your experience will vary but I generally find that with the buttons engaged (light on) there’s more continuously stable sounds available while when they are disengaged (no light) there are more transient and unstable sounds.

Single button: Changes the global behavior of the pattern. In setups where the audio input is used you will find that it’s easier to continuously output processed audio while the button is engaged.

STARVE: Globally changes the behavior of the instrument by voltage starving parts of the circuit. The parameter becomes non-linear near the maximum position where it increasingly affects input gain.

Outputs and volume: Flettverk has 3 outputs. Left, right and a mono summed channel. There’s almost always *some* overlap in the audio present on the left and right channels but together they create a satisfying stereo image. The OUTPUT knob sets the volume of all 3 outputs.

Audio input: Flettverk can be used as a processor by connecting a sound source to the IN socket with its volume (or amount of influence) set by the INPUT knob. Although Flettverk is able to process audio I find it’s helpful not to think of this as an effects unit. At the same time as Flettverk manipulates incoming audio, incoming audio affects the behavior and sounds produced by Flettverk. You could rather think of the inputted sound as an extension of the instrument.

TECHNICAL SPECIFICATIONS

Input impedance:	250 k Ω
Output impedance:	~1 k Ω
Voltage:	9 VDC center negative (Regular Boss/Ibanez style)
Current draw:	50mA
Dimensions:	128 mm x 100 mm x 40 mm
Weight:	230 g