

## ADDAC System & Monotrail Collaborate Random Bézier Waves



ADDAC System announces its latest Eurorack module, ADDAC507 - Random Bézier Waves. This pioneering new organic voltage generator for Eurorack modular systems is the result of an inspired collaboration between Rijnder Kamerbeek (aka Monotrail), who conceived of the module, and ADDAC System, which made it a

reality. Bézier Waves is a straightforward random generator with interpolation between random points - making it behave something like a complex, ever evolving, LFO. The module contains two identical smooth random voltage generators - each with its own frequency, level, offset and curve control. The Frequency control sets a steady pace with which bipolar random voltages are generated, and the Level control works like an attenuator/VCA at the output stage - reaching from maximum output to closed. Meantime, the Offset control allows shifting of the entire wave up and down on the voltage range, and the Curve control determines the shape of the interpolation. The bipolar activity on the main outputs as well as gate outputs are visualized with LEDs.

"I love organic voltages, because interesting sound design is all about adding depth, character and emotions to sound," said Rijnder Kamerbeek. "The Random Bézier Waves can turn a simple patch into an evolving story, add a lot of depth and movement to sound, make sounds struggle and twist, and easily be the heart of entire generative patches. In a nutshell, the module is designed to be a very easy to use source of organic voltages with good control."

Both Frequency and Level controls have a CV input with attenuator. When there is nothing patched into the CV inputs, these are internally connected to the main output of the other channel. This normalization makes it very easy to add randomization to the frequency or level for more depth, or of course, add cross-modulation for chaotic voltages. The output VCAs are useful to dial in subtle and time-based modulation without the need for external VCAs. For example, to modulate the amount over time with an envelope, or use the other generator with slower speeds to add random changes to the level of a random voltage.

Both generators also have two other outputs. One is an exact inversion of the main output, so it responds to the level and CV input. This is great for stereo or inversed effect patches. The other is a simple pulse output, here there are two different behaviours, channel A outputs a pulse at every random generation, channel B acts like a comparator. Whenever the main is positive this comparator output is a high gate. And whenever the main output is negative or close to 0, there is no gate output. Great for random triggers or firing other events like envelopes. A couple other outputs are also available and are obtained by averaging both channel main outputs. The first output is the average while the second is an inverted average.

ADDAC507 Bézier Waves is available now for €280 on the ADDAC System website or through the company's network of authorized dealers.

[www.addacsystem.com](http://www.addacsystem.com)