Erica Synths mki x es .EDU DIY VCF



Who doesn’t love a good resonant low pass VCF? It’s arguably the beating heart of any subtractive synth – adding character, dynamics, and a good deal of retro-futuristic oddness to your patches. That’s why a diode ladder VCF that sticks to super basic and widely available components was created. On top of that, the architecture is as approachable as possible by avoiding the tricky diff-pair setup

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classic ladder filters rely on.

Erica Synths and Moritz Klein have developed series of educational DIY kits under the brand name mki x es. EDU with one specific goal in mind: to teach people with little-to-no prior experience how to design analog synthesizer circuits from scratch. What you'll find in the box is not simply meant to be soldered together and then disappear in your rack. Instead, they want to take you through the circuit design process step by step, explaining every choice they've made and how it impacts the finished module.

In total, they have developed 9 kits to build a fully featured modular mono-synth: a sequencer, a VCO, a wavefolder, a noise/S&H module, a mixer, a VCF, an Envelope generator, a dual VCA and an output stereo mixer with a headphone amplifier. Additionally, an affordable eurorack case with a DIY PSU will also be available. While these kits are easy to build, they did not compromise on design and functionality. They will launch one kit every 4-6 weeks. Each kit comes with an extensive user manual (40+ pages) that will dive deep into not only the electronics behind each circuit, but also the fundamental principles of sound synthesis.

They hope that the mki x es. EDU project will inspire future engineers and will contribute to the ever growing diversity of electronic music technology.

www.ericasynths.lv

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