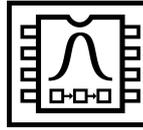


ZeKit Press Kit

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Fred's Lab



FOR IMMEDIATE RELEASE

For SuperBooth 2021, **Fred's Lab** drops **ZeKit**: a new 4 voice paraphonic microsynth, featuring a simple step sequencer, digital waveforms, an analog VCF, VCA & 2x AR envelopes. The instrument can be controlled using MIDI (notes & clock) and has both a sync and audio inputs. External audio sources can be mixed in or be processed through the VCF / VCA.

This synth is available in **two versions**:

- the DIY KIT version (requires soldering)
- the fully assembled version

Electronic music roots in **building one's own gear** and this is what **ZeKit** is about.

This synth has been engineered to be an uncomplicated kit, from its schematics to its user operation, while providing great and powerful vintage & modern sounds, straight at its output. Compared to many kits, **ZeKit** isn't a toy! You'll end up with an instrument that generates serious tones, gracefully synchronizes, and will **nicely integrate** your studio setup or follows you on tour, thanks to its compact size.

Being accessible to **DIY beginners**, **ZeKit** offers a lot to learn about analog and digital electronics for music gear, from building it and later playing it. A comprehensive and well illustrated, 30+ pages **assembly guide** (pdf) will assist you at each building step, from start to finish. This guide also includes **ZeKit** complete schematics and bill of materials, as well as a detailed explanation of the inner working of all circuit blocks.

Last but not least, most **ZeKit** design files are provided under **Creative Commons and Open Source licences**, allowing you to get inspired, modify, improve and distribute your creations, within the limitation of non-commercial use.

ZeKit is an adventure, it's yours! Build it and succeed!

PRICING & AVAILABILITY

- **129 EUR w/ VAT – DIY Kit Version**
Includes: PCB, all components, housing, printed quickstart
- **179 EUR w/ VAT – Already Assembled Version**
Includes: Assembled ZeKit, printed quickstart
- **12 EUR w/ VAT - Universal Power Adapter (optional)**
Please reuse any compatible one you own already
- **6 EUR w/ VAT - Battery kit + set of AAA batteries (optional)**

From the **01/10/2021**, ZeKit will be available to order directly from our website <https://fredslab.net>
The first batch is a **limited run of 100 units** which are available immediately.

DETAILED SPECIFICATIONS

SOUND ENGINE

- Additive sawtooth synthesis
8 mono waveforms / 8 para waveforms
- Filter envelope looping and re-triggering options
- Filter tracking and fixed glide mode
- 250 kHz DAC sample rate
- Voltage controlled 12dB/Oct low-pass & band-pass filter
with 2x resonance settings
- Voltage controlled amplifier
- Analog A/D & A/R envelopes

STEP SEQUENCER

- 96 step sequencer, with up to 4 notes per step
- External sync - MIDI clock or sync over 3.5mm jack
- 16 user programmable patterns
- Live pitch transposition and transition of the patterns

CONTROLS

- 6 knobs – Cutoff, Attack, Decay, Accent, Release and Level
- 3 toggles – LP/BP, CHILL/ACID, VCF/MIX
- 7 switches – Wave, Options, Motifs, Sequencer controls

CONNECTIVITY

- MIDI input – DIN5
- Power input – 2.1mm jack 5V to 9V DC
- Batterie connector – optional
- Line / Headphones output – 6.35mm TRS jack
- Clock & Sync input – 3.5mm TRS jack
- Audio input – 3.5mm TRS jack

OTHERS

- Battery holder (optional): runs with 4 x AAA ~ 10 hours autonomy
- Dimensions (assembled): 127 x 92 x 56 mm – (w x d x h)
- Weight: 315g
- Power: 350 mW