

Fred's Lab launch "impossibly small yet powerful" Töörö *hybrid polyphonic supersynth* on **Kickstarter**.



FOR IMMEDIATE RELEASE

Bonn, 23/10/20 - Following two successful **Kickstarter** campaigns, independent synthesizer manufacturer **Fred's Lab** is excited to announce a Kickstarter program for one of the best-value **hybrid desktop synthesizer** designs to date: the **Töörö hybrid polyphonic supersynth**.

Töörö (pronounced "tuh-ruh") is a highly characterful **6-voice 4-part** desktop polyphonic synthesizer, that packs **incredible synthesis capabilities** into an almost impossibly **small space and price**.

Töörö offers **deep sound design potential**, combining 'gritty' dual 12-bit **wavetable oscillators** inspired by the classic Microwave, shaped with through-zero FM synthesis, ring modulation and auto-sync. Modulation is provided by dual audio-rate LFOs, dual AHDSR envelope generators, and **global stereo delay**. **Töörö's** FM and sync architecture includes '**virtual operators**', allowing the creation of timbres that would normally require additional oscillators to achieve.

Töörö can evoke wild and classic tones through its '**vintage**'-sounding **FL A847** 12dB/oct resonant **analog filter**, inspired by the MS-10, but it can also make crisp stereo soundscapes, icy pads and tones that are all its own.

Being **4 part multitimbral**, **Töörö** is ideally suited as a workhorse synthesizer for **studio and live performance** use. Users can also **layer parts** to create enormous, complex tones, or play up to 6-note chords, panning each note in the stereo field for lush, all-encompassing sound.

Users can **edit all sound parameters**, parts and settings quickly and intuitively **from the front panel** matrix, with 100 preset memory and 10 user 'multi' allowing the storage of sounds and combinations for instant recall.

Töörö's MIDI implementation is extremely broad, supporting **polyphonic aftertouch** controllers for great expressivity. There are a total of **88 MIDI CC's available**, allowing users to **control nearly all sound shaping parameters** with readily-available MIDI controllers or software, greatly extending possibilities for **external control and creative modulation**.

The unit is **incredibly compact**, at only 70 x 120 x 45mm in size, and is **USB bus powered**. It features two stereo 3.5mm outputs allowing **four mono voices to be outputted individually**, as well as stereo 1/4" jack outputs. **Töörö's metal chassis** is made from tough anodized aluminum, and is designed to withstand the rigors of touring studio use, backed up by a **3 year manufacturer warranty**.

Töörö is being launched exclusively via **Kickstarter** with a regular EU price of **399 Euros** (inc 16% VAT), and **limited 'early bird'** pricing available of **349 Euros** (inc VAT).

The **Kickstarter is live now (23/10/2020)**, and ends on the **13/11/2020 @ 22:00 UTC+1**.

For further details and to **back this project**, visit the **Kickstarter page** at:

<https://www.kickstarter.com/projects/tooro/tooro-hybrid-polyphonic-supersynth>

Fred's Lab website:

<https://fredslab.net>

DETAILED SPECIFICATIONS

6 voices of analog/digital hybrid synthesis

- **4 part multitimbral**, with stereo 1/4" and dual 3.5mm **individual outputs**.
- Each voice features **dual 12-bit wavetables**, with **morphing, auto-sync, and thru zero FM** (with virtual modulation oscillators).
- Users can create **custom wavetables** using built-in waveforms.
- Unique **highly-characterful 12dB/octave discrete analog FL A847 filter**, with wild resonance and multiple sweet spots.
- **2 AHDSR** Envelopes.
- **2 LFOs** with classic and random waveforms, and rise and fall controls.
- Advanced **global stereo delay effect** with modulation and feedback controls.
- **100 user-presets** and **10 user-multi** available for onboard sound storage and recall.
- Edit **all sound parameters**, parts and settings quickly and intuitively from the front panel matrix.
- Extensive **MIDI implementation** with **DIN IN and OUT**, and smart thru function.
All significant sound shaping parameters editable via **MIDI CC**
- Responds to **polyphonic after-touch** messages.
- Compact dimensions of 70 x 120 x 45 mm, only 750g in weight.
- Rugged aluminum chassis, high-quality parts, non-slip design.
- **USB powered** - can be powered by computer, USB mains plug, or USB power bank.
- On/off power switch at rear.
- Features **3 year warranty**.
- **Made in Germany**.

