

Frap Tools MAGNOLIA



Frap Tools, hitherto known as a manufacturer of Eurorack modules and accessories alongside professional audio compressors in the 500-Series format, ventures into the world of high-end keyboard synthesizers with its introduction of MAGNOLIA - announced as an 8-VOICE ANALOG THRU-ZERO FM SYNTHESIZER built to unlock every sound associated with 'West Coast' modular synthesis through a classic keyboard interface - anchored around showcasing two pre-production units at SUPERBOOTH25, May 8-10, FEZ-Berlin, Germany...

As an 8-VOICE ANALOG THRU-ZERO FM SYNTHESIZER, MAGNOLIA unlocks every sound associated with the so-called 'West Coast' modular synthesis world with waveshapers, wavefolders, and, most importantly, analog linear TZFM (Through-Zero Frequency Modulation) Indeed, its intentions are made clear from the outset by the on point wording worked tastefully into its (initial) top panel design. No need to necessarily remain there, though, for fat resonant filters and powerful analogue oscillators also allow for more traditional subtractive synthesis sounds. And although a deep and flexible modulation section encourages complex patches with the push of a button and twist of a knob, switching modulations on and off with the TOGGLE function, it is always easy to keep track of what is going on thanks to the inclusion of LEDs (Light-Emitting Diodes) on every source and destination.

Digging deeper, MAGNOLIA features eight analogue voices with two oscillators - carrier and modulator - and 24 dB/oct resonant HIGH-PASS and LOW-PASS filters;

the carrier oscillator has a through-zero core for precise, sideband-rich analogue FM (Frequency Modulation) sounds, so crystal-like pads to growling basses are available to all with the greatest of ease, while FM can be applied to the filters. Furthermore, sculpting sounds that have not been heard before on analogue polysynths are now perfectly possible, thanks to MAGNOLIA's unique signal flow - think continuously variable waveform shapes and a wavefolder circuit per voice!

Those two oscillators are derived from Frap Tools' BRENSO, a Euroack module readily representing its creator's primary analogue source of articulated waveforms whose degree of entanglement can be precisely set by the musician. MAGNOLIA's Oscillator 1 is the 'West Coast' one with TZFM, wavefolder, and FLIP SYNC, while Oscillator 2 is the 'East Coast' one, with PWM (Pulse Width Modulation) and fine-tune. Whether wanting experimental FM sounds or punchy synth brass, they are always at anyone's service. Speaking of Frap Tools' unique modular soul, MAGNOLIA's filter section is derived from CUNSA - itself a quadruple analogue ping-able multimode resonant filter, saturator, mixer, and oscillator, no less!

Musically, MAGNOLIA sports a keyboard from fellow Italians FATAR, with polyphonic aftertouch capabilities for enhanced expressiveness, while a per-part ARPEGGIATOR and per-part 16-step SEQ (sequencer) serve to creatively complement the synthesizer still further. Features briefly worth drawing attention to here by way of ending on some more high notes include MAGNOLIA's bi-timbral programs (with SINGLE, MORPH, DUAL, and SPLIT MODES); all-analogue signal path; three loop-able DAHDSR (DELAY, ATTACK, HOLD, DECAY, SUSTAIN, and RELEASE) envelopes; three digital LFOs (Low Frequency Oscillators); and 512 preset memory slots.

Anyone attending SUPERBOOTH25, May 8-10, FEZ-Berlin, Germany can get up close and personal with two MAGNOLIA pre-production units by swinging by Booth B049 there. Their creators will be showcasing them personally, eager to show the results of their hard work, while providing a passionate warm welcome. Frap Tools aim to release MAGNOLIA as a production product by the end of summer, albeit with some differences evident by then. The interface will likely be more refined, featuring digital effects, while some features currently under evaluation could conceivably be removed.

While Frap Tools' Eurorack modules and accessories, plus professional audio compressors in the 500-Series format, are available to purchase online directly from its website, any retailers interested in stocking and selling MAGNOLIA - when available as a production product - are invited to contact worldwide distributor Alex4 Distribution.

www.alex4.de
www.frap.tools