DOEPFER

NAMM Anaheim 2010
Press Release

DOEPFER MUSIKELEKTRONIK GMBH

Press Release NAMM, Anaheim 2010

Dear Sir or Madam,

On the occasion of NAMM in Anaheim/CA, January 14-17, 2010 we will show our new gear at the booth of our US representative Analogue Haven: Hall E, booth no. 1337 or 1859 (booth # 1337 is confirmed but we try to switch to #1859).

We are looking forward to seeing you at the booth and hope for some mention about it in your NAMM show report. On the following pages you will find the new gear we'll present in Anaheim.

If you need more details (e.g. pictures, more detailed product descriptions) don't hesitate to contact me directly. This press release is available on the press page of our website as a PDF or MS Word™ file. More detailed information about the devices is available via the corresponding link on the news page of our website: www.doepfer.com > NEWS > link to the corresponding device.

Best regards,

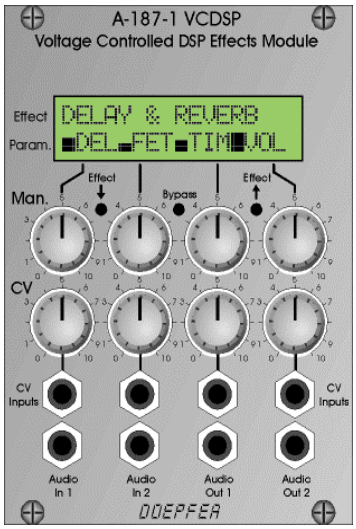
Dieter Doepfer
email address: hardware@doepfer.de

Doepfer Musikelektronik GmbH
Geigerstr. 13
D-82166 Graefelfing / Germany
Phone: +49 89 89809510
Fax: +49 089 89809511

CEO's: Sibille Heller, Dieter Doepfer

Website: www.doepfer.com
Email address for technical details: hardware@doepfer.de

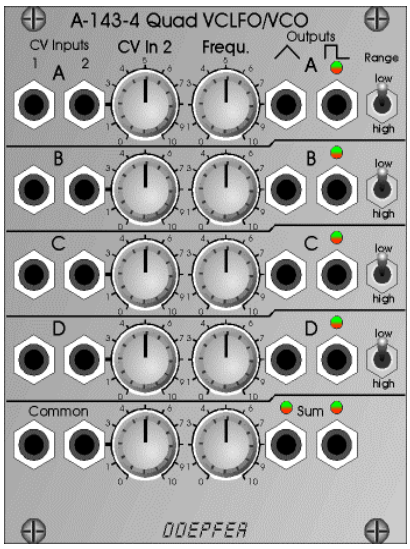
A-100 News



A-187-1 Voltage Controlled DSP Effects

Module A-187-1 is a DSP based effects module with voltage control of four parameters of the selected digital effect (with manual control and CV input with attenuator for each parameter). The effect is selected by means of up/down buttons. The upper row of the display shows the currently selected effect (e.g. reverb, delay, pitchshift). In the lower row the four parameters are shown as well as a small bar left from the abbreviation that displays the current parameter value. Each parameter can be adjusted manually (upper row of controls) and modified by external control voltages (lower row of the controls and upper row of the sockets). The lower row of the sockets containes the two audio inputs and outputs. Another button (bypass) is used to turn the effect on/off. When bypass is chosen the upper line of the display shows in turn "BYPASS" and the name of the pre-selected effect. In the bypass mode another effect can be pre-selected and called-up by pressing the bypass button again. Even the effect parameters can be adjusted and are displayed with the bar graphs. But they become effective not before the bypass mode is left.

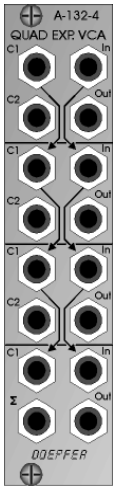
Date of Delivery: January 2010 (just after NAMM)
Price: Euro 250.00



A-143-4 Quad VCLFO/VCO

Module A-143-4 is an economically priced four-fold voltage controlled low frequency/audio frequency oscillator (VCLFO/VCO). Each of the four units is equipped with a manual frequency control, one CV input without attenuator (1V/oct) and one CV input with attenuator. Rectangle and triangle outputs are available for each sub-unit. A toggle switch is used to select LFO or VCO range for each unit. A dual-color LED is used to control the frequency in LFO mode. The frequency range of from several minutes (LFO mode) to about 7kHz (VCO mode).
The module features also a common section: a common frequency control and two common CV inputs (one without attenuator and 1V/oct scale and one with attenuator). These controls and inputs affect all four units (e.g. for common frequency control in VCO mode). Two common outputs are available: for the sum of all rectangle signals and one for the sum of all triangle outputs.

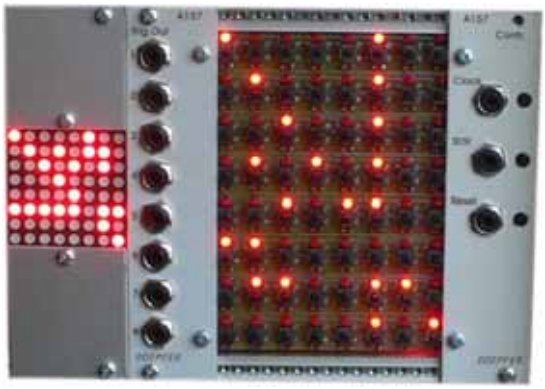
Date of Delivery: spring 2010
Price: ~ Euro 200.00



A-132-4 Quad VCA

Module A-132-4 is an economically priced four-fold voltage controlled amplifier (VCA). It contains four identical VCAs with exponential control scales (~ 12dB/V). Each VCA has two control voltage inputs (C1, C2), a signal input (In) and a signal output (Out). The control voltage inputs C1 and the signal inputs are normalled as shown on the front panel. In addition the sum of all four outputs is available. Therefore unit #4 has only one control voltage input (if desired this socket can be jumpered as control voltage input 2). For each VCA output a jumper is available that determines if the output signal of the corresponding VCA is added to the sum signal (the jumpers can be replaced by switches too by the customer).

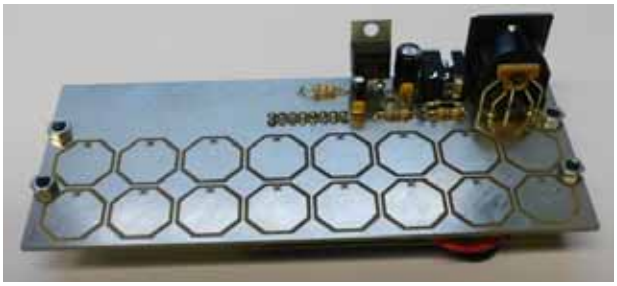
Date of Delivery: spring 2010
Price: ~ Euro 100.00



A-157 8x16 Step Trigger Sequencer

At NAMM we'll show a very early prototype of this module (only 8x8 steps, no preset management). The final module will be equipped with 128 momentary with assigned LEDs (arranged in 8 rows with 16 steps each), 8 trigger outputs and clock/start/stop/reset inputs. The module generates 8 trigger signals that are set by the buttons. The LEDs are used to show the active steps. The external control signals clock, start/stop and reset are used to sync the unit to other A-100 modules (or via suitable interfaces to Midi/USB). An additional preset management will be added to the final version of the module.
We're also thinking about a low cost version of this module with an 8x16 or 8x32 display (like the left unit in the picture) but with only one row of buttons that has to be assigned to one of the rows in question.

Date of Delivery: ~ summer 2010
Price: not yet determined



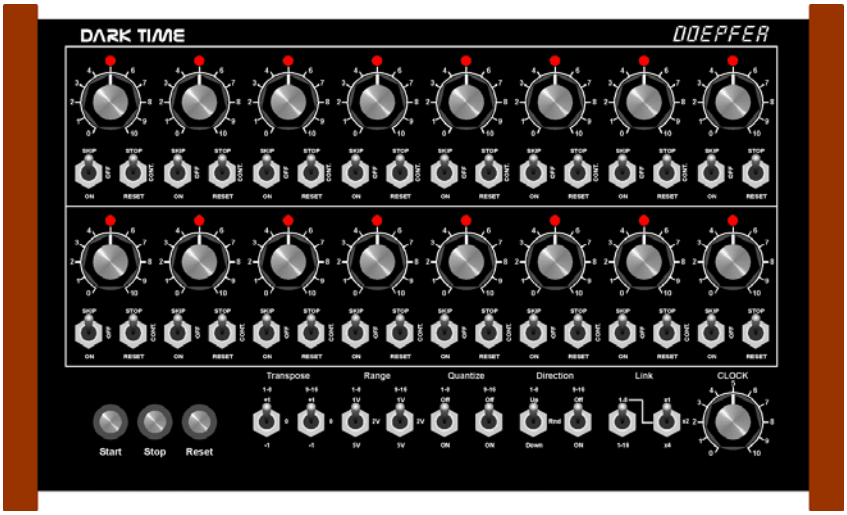
A-100TKB Touch Sensor Keyboard (Prototype #3)

We'll also show another prototype of the touch sensor keyboard, which is under discussion since some years. The latest version has a non-keyboard layout but 16 equal shaped areas and uses another working principle (capacity change of the pads instead of the hum noise detection of versions 1 and 2).
We will decide after NAMM which version of the TKB will be manufactured (keyboard layout or non-keyboard layout, shape and dimension of the pads, module or stand-alone unit, and so on). For this we will start a poll after NAMM.

Date of Delivery: ~ summer 2010
Price: ~ from Euro 100.00 for the simplest solution (module version with 16 small pads like the prototype #3)

DARK TIME

(Preliminary)



This sequencer is not shown at NAMM as we could not finish the prototype in time. In the first place it is planned as an analog sequencer for DARK ENERGY (same design and dimensions) but can be used in combination with other devices too. It features 16 steps with on/off, skip, reset and stop switches for each step. Different modes are are available: 16 steps, 2 x 8 steps and different repetition modes. It has available CV/Gate outputs, Midi and USB. It is equipped with an internal clock oscillator but can be synced to Midi clock as well. Features like transpose, direction (forward/backward/random), quantize on/off and ranges switches are planned.

Date of Delivery: ~ spring/summer 2010
Price: ~ Euro 400.00

DIY Synth Kit

At NAMM we'll start a new product line: a low cost DIY kit to build a full-fledged analog synthesizer. The kit is made of a pc board that includes all that is necessary to build a standard analog synthesizer:

VCO:

- Sawtooth output
- Rectangle output (with variable pulse width)
- Several frequency CV inputs
- Several PW/PWM CV inputs
- Linear FM input
- Hard sync input

VCF:

- Multimode filter
- lowpass, highpass and bandpass output (optional low-notch-highpass with external potentiometer)
- 12dB/oct
- Several frequency CV inputs
- Several audio inputs
- Manual resonance control
- Resonance up to self oscillation

VCA:

- Exponential control scale
- Several CV inputs
- Several audio inputs
- Audio output

ADSR:

- Connection for attack, decay, sustain and release controls
- Connection for range switch (3 ranges)
- Connection for LED display
- ADSR output

LFO:

- Connection for frequency control (optional different controls for up/down time)
- Connection for range switch (3 ranges)
- Connection for LED display
- Triangle and rectangle outputs

Slew Limiter:

- Connection for slew control
- Input
- Output

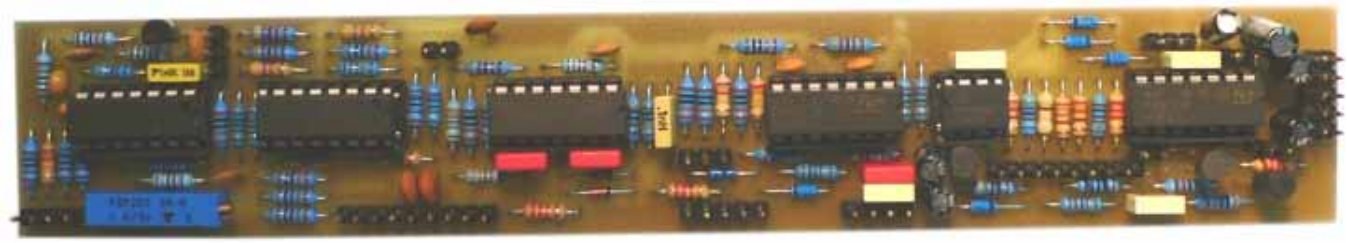
Inverter

- Input
- Output

The kit is planned for customers who are familiar with electronic basics as the kit does not include the controls, switches, sockets and the case. These elements have to be added and wired by the customer. He can choose the desired size, shape, type and color of these elements (e.g. rotary potentiometers or faders, small 3.5 mm jack sockets or ¼" sockets or banana type, small or large switches and so on). Even the type of wiring is free: the range goes from a pre-wired standard synth (VCO-VCF-VCA type) up to a fully patchable modular system. Two or more of the kits can be combined to obtain more VCOs, ADSRs, LFOs, VCAs or VCFs, e.g. to built a more complex pre-wired or modular synth. We also think about an expansion board with noise generator, S&H, ring modulator, mixer and some other often used synthesizer units.

The additional working time and required skills to build a working unit from the kit should not be underrated ! One should count at least on one weekend, even if you are an experienced hobbyist. To obtain all features about 25 potentiometers, 20 sockets and several switches have to be mounted into a suitable housing and wired faultless. We ask for your understanding that we cannot offer the service to troubleshoot a customer's assembly. The pc boards comes assembled, tested and adjusted (i.e. 1V/oct of the corresponding VCO CV inputs).

Date of Delivery: ~ spring 2010
Price: ~ Euro 100.00 (without controls, sockets, switches, cables, power supply and case)



DIY Synth pc board
(that's what the customer gets)

The following pictures show the NAMM 2010 prototype built around the DIY Synth pcb. It's a standard pre-wired analog synth with normalled sockets (VCO-VCF-VCA, ADSR is used to controls the VCF frequency and VCA level, LFO triangle is used to control VCO-PW and VCF frequency). The internal pre-wiring can be altered if patch cables are use to connect the modules in another way . The prototype is built into a small suitcase and acrylic glass front panel:

DOEPFER DIY Synth - Application Example