Virus kb Product Information

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The Virtual Dinosaur

Experts regard the Virus kb, first introduced in 1998, as the virtual-analog synthesizer that comes closest to simulating its true-analog predecessors.
In addition to its unique and balanced sound characteristics, this exceptional synthesizer also stands out because of its tremendous sonic capabilities and the attention paid to its intelligent design.

The philosophy behind the development of the Virus was to create a synthesizer with a vast palette of sonic possibilities rather than simply simulating static analog circuits. This demand made it necessary to take into consideration the numerous and very fine sound details that let an analog synthesizer or an acoustic instrument sound so alive.

The Virus' powerful DSP technology allows you to create these specific sound characteristics without being restricted by traditional analog limitations.

The Virus kb is the keyboard version of the Virus b. Masterkeyboard functions, a weighted high quality keyboard and two assignable wheels turn it into a great companion for everybody who's in need for a keyboard version.

Virus kb Hardware Specifications

- 32 knobs
- 62 LEDs
- 30 Buttons
- 61 light weighted keys with aftertouch
- 2 Analog Ins
- 6 Analog Outs
- 2 multi purpose pedal connectors
- MIDI In/Out/Thru
- Internal power supply
- Dimensions:
  993mm x 360mm x 115 mm
- Weight 13kg

Virus kb Software Specifications

- 24 Voices/ 16 way multi mode

- 512 sounds (256 RAM/256 ROM/128 Multies)

- 4 oscillators per voice. Three main oscillators plus one sub oscillator (when using the third oscillator the virus b / kb needs up to 30% more power per voice. In full usage the virus' polyphony may therefore lose a maximum of 6 voices.)

- Sawtooth, variable pulse, sine, triangle waves + 62 additional spectral waves

- FM (Frequency modulation) for the Oscillators with external Input signals

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- 2 fully independent filters: 4 filter routings. serial/parallel (lowpass, highpass, bandpass and bandreject). up to 6 poles (36 dB) per voice

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- 3 LFOs (68 shapes. envelope operating mode and real tempo-sync to midi clock)

- 2 ADSTR envelopes (T=Time)

- 16 independent arpeggiators with numerous arpeggiator patterns and real time parameter access. These parameters and can be modulated in realtime and include swingfactor and notelenght.

- 82 imultaneous DSP effects like:

- Reverbration unit

- Retro phaser (6-stage stereo phaser with 24 filter-poles)

- Multiple independent saturation/distortion/LoFi effects per voice Saturation with multiple distortion/shaper characteristics and variable gain.

- Chorus/flanger

- Voice saturation/distortion

- Groove-delay (digital delay with rhythmic patterns)

- 32-band advanced vocoder

- Ringmodulator

- Analog Boost

- Global master clock that drives all arpeggiators, LFOs and delay; automatic sync to MIDI Clock.

- Complex modulation matrix with over 110 destinations

- Complete parameter control via MIDI with "Adaptive Control Smoothing" for ultra soft parameter changes.

- Full 24bit processing; 24 bit D/A, 18 bit A/D

- 2 individual inputs with various signal processing features such as filter, distortion, vocoder, FM, ringmodulator, envelope follower, groove-delay

- 6 individual high quality outputs

- Flexible internal audio routing for processing external and internal signals and effects via the filters, amplifiers and effects of other voices

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- Surround sound capabilities

- Free Emagic Sounddiver based editor/librarian for Windows™ and MacOS™

- Easy operating system updates via MIDI

How to contact us

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All features and specifications subject to change without notice.

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