



Limited Desktop WhiteOut



## Endangered Species

The Virus TI Desktop WhiteOut is limited to a hundred units worldwide and goes on sale on 1st of December 2009. The special edition features a laser engraved bottom plate showing the serial number. All technical specifications, the color scheme aside, are identical to the Virus TI2 Desktop.

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## Specifications

**Oscillators** Three main oscillators and one sub oscillator per voice. A main oscillator can comprise of various oscillator types including the classic virtual analog oscillators (saw, variable pulse, sine, triangle, 62 spectral waves with several FM modes) and hypersaw (a multi saw-tooth oscillator with up to 9 stacked oscillators, 9 sub oscillators and sync oscillator at the same time). Wavetable oscillators with 100 multi-index wavetables, feature variable resolution and optional pulse-width modulation. Grainable oscillators apply granular synthesis techniques for independent control of pitch and formants to warp a waveform beyond recognition. Formant oscillators sound like running a signal through a massive, modulatable filterbank with hundreds of resonant bands being morphed by the wavetable index. **Filters** Two fully independent filters (lowpass, highpass, bandpass, bandstop) with an optional saturation module located in between both filter blocks. The saturation module can add one of several distortions and lo-fi effects or an additional low-/high-pass filter. Optional self-resonating Moog™ cascade filter simulation with circuit overload and 1-4 poles. **Modulation** Two-dimensional modulation matrix with six slots (1 source and 3 modulation targets each). Every feasible parameter can be modulated in realtime. Three LFOs with additional hardwired destinations along with one user-definable slot. Two lightning-fast, multi-stage envelopes (ADSTR) - LFOs can be used as ramp generators as well. **Effects** The FX section has independent delay and reverb per patch (even in multi mode), along with multiple distortion/lo-fi algorithms, phaser, chorus/flanger, character control, ring modulator/shifter, EQ plus a global vocoder. There is no difference between single and multi modes - patches sound exactly the same. **Arpeggiator** Each patch contains its own arpeggiator pattern feat. 32 programmable steps (length and velocity can be adjusted per step) along with a global control for swing/shuffle timing and one for note lengths. Pretty much every parameter including the pattern itself, the amount of octaves and many more can be controlled using the modulation matrix. **I/O** 6 balanced outputs (@ +4dB), backed by 192 Khz/24bit D/A converters, with soft-limiting. Two inputs with 24-bit A/D. Dedicated headphone out. MIDI in, out, and thru. S/SPDIF digital audio (44.1/48 kHz) inputs & outputs. USB is used for MIDI and audio transmission (adding 3 additional stereo audio outputs) and works at 12Mb/s. **Enclosure** Sleek charcoal-gray finish, Red and white LEDs, white display, wood rail on front. I/O panel can be rotated for convenient rack-mounting. **Surround sound output** Every patch can be panned dynamically between two stereo outputs for quadraphonic effects. **Hardware controls** 32 knobs, 43 buttons, 73 LEDs and Pitch-/Modulation wheel if applicable. **Polyphony** Between 25 to 110 voices, depending on the complexity of the patch. Estimates are based on single mode performance results may vary in multi mode. **Multi Mode** Multi programs can have fully-independent embedded singles, without the links to single banks required by most synths. This provides freedom from breaking other programs. **Memory** 1024 RAM and 3328 ROM sounds, 16 embedded multi patches along with 112 conventional multi slots, 16 parts in multi mode.

**Remote Templates** Turn the Virus TI into a MIDI remote, the sound engine will still work independently. 32 user programmable templates to reassign most panel knobs controlling control third party plug-ins and MIDI synthesizers. **Smooth parameter changes** Adaptive control-smoothing provides parameter changes with no zipper artifacts. With knob quantize, a clock ratio is selected and parameter changes are updated at specified intervals only. The result is sample-and-hold parameter movements, evocative of step sequencer sounds. **Atomizer** The unique DJ style audio slicer turns the Virus TI into an powerful realtime FX for DJ applications.

### Total Integration

Total Integration is our proprietary technology, which seamlessly links any Virus TI model and a computer to create a unified system consisting of a powerful hardware synth and a virtual instrument plug-in, which not only controls the Virus TI but also receives audio from it, in order to allow post-processing right inside your computer. This way you get the best of both worlds: Your Virus TI will calculate all the voices and effects and therefore makes the CPU of your computer available for other tasks. Since it is driven by the Virus Control plug-in, the timing (unlike normal MIDI and USB-MIDI timing) will be sample-accurate, and all sound data will be saved within the song or project. Virus Control also offers sophisticated editing capabilities, along with an easy-to-use librarian page to keep track of all your Virus TI patches. The Virus TI's analogue input and outputs can double as an audio interface, the MIDI sockets can double as a MIDI interface.

Virus Control is an VST/AU/RTAS compatible plug-in. Total Integration is certified for the following hosts: Apple Logic 8, Steinberg Cubase 4, Ableton Live 7, Digi-design Pro Tools 8, Cakewalk Sonar 7, ImageLine FL Studio 8.

Additional information and specifications can be found on [www.virus.info](http://www.virus.info)

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