

Acxel2 RACK



The « F1 » Of Synthesizers . . . On Stage !

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- ✓ Acxel2 PC 201 base
- ✓ RPP processor (200 Gops)
- ✓ 24 MB DRAM
- ✓ 256 cells, 16 voices polyphony
- ✓ 2/4 I/O analog 24bits/44,1 - 48 KHz (line), (1/4 "Jack)
- ✓ 2 x MIC inputs (XLR)

- ✓ 1 x I/O analog stereo AUX
- ✓ Word clock In/Out
- ✓ 4 x USB2 interfaces
- ✓ 1 x USB-B (slave/target)
- ✓ 1 x IEEE 1394
- ✓ 1 x Ethernet connexion
- ✓ SD Flash Memory Interface
- ✓ 1 x Digital Visual Interface (DVI) screen

- ✓ 1 x MIDI Thru
- ✓ 2 x MIDI in/Out
- ✓ 2 x Foot/Control connexion
- ✓ Operating Host System WIN/MAC
- ✓ System software interface
- ✓ Acxelator® - analysis software

- ✓ 2 x 4 in. Touch Screen
- ✓ 1 x headphone output
- ✓ 128 sounds library
- ✓ 3 years free access to users Forum
- ✓ 1 year warranty
- ✓ Dimensions (2U): 48,3 cm x 32,4 cm x 8,9cm (19" x 12 3/4" x 3 1/2")

SYNTHESIS	Base	OPTIONS
<p>Synthesis – Resynthesis</p> <p>Software</p> <p>Synthesis Modes</p> <p>Editing Tools</p> <p>Real Time Control Tools and Other Processing Modes</p>	<ul style="list-style-type: none"> ▪ ACXELINK BASED REAL TIME MULTIMODE SYNTHESIS AND SOUND PROCESSING ▪ GRAPHIC AUDIO EDITING SOFTWARE ▪ ACXELINK ▪ ADDITIVE, ▪ ANALOG ▪ GRAPHIC CELLS LINKS (ACXELINK) ▪ Graphic Global links ▪ Midi controller settings & assignments ▪ Spectra ▪ Envelopes (ADSR, Points) ▪ Hierarchical structure 	<ul style="list-style-type: none"> ▪ PHYSICAL MODELING, ▪ WAVELETS, ▪ WAVETABLE, ▪ VOCODER ▪ MACRO FUNCTIONS: PRESETS MACROS AND USER DEFINED MACROS ▪ GRAPHER LCD (high resolution) ▪ GRAPHER PANEL (Leds) : Multiple touch controller assignments and Pressure sensitive control ▪ Tool: Dynamic Mixing Console ▪ Tool: Effect Processing
ACXELATOR (Resynthesis Analyzer)	Base	OPTIONS
<p>Signals</p> <p>Modes</p> <p>Source type</p> <p>Destination Synth. Modes</p>	<ul style="list-style-type: none"> ▪ Single Input ▪ Enhance Quality ▪ Enhance Polyphony ▪ Signal Input ▪ Wave file ▪ Acxelink ▪ Additive Synthesis 	<ul style="list-style-type: none"> ▪ Multiple signal analysis ▪ Continuous resynthesis: Real Time Input signal Analyzer ▪ Multiple Continuous resynthesis: Multiple Real Time Input signal Analyzer ▪ Extended Duration
SOUND PERFORMANCES	Items	Details
<p>Modes</p> <p>Synthesis Waveform count</p> <p>Synthesis Waveforms</p> <p>Processing Cells Modes</p> <p>Base Parameters</p> <p>Links Source types</p> <p>Destination Envelopes links</p> <p>Dest. Signal Input Links</p> <p>Links parameters</p> <p>GLOBAL</p> <p>Cell to Voice Assignment</p> <p>Global Parameters</p> <p>Output controls</p>	<ul style="list-style-type: none"> ▪ Synthesis, Signal process ▪ 2 per cell: Base, Secondary (for Morphing) ▪ Sine, Square, Sawtooth (+, -), Triangle, Noise, Programmable ▪ Record, Playback, Capture ▪ Amplitude, Frequency, Phase, Filter Cutoff / Slope, G (PWM, Morphing) ▪ Cell, Signal Input, Instrument ▪ Each Base Parameter ▪ 3 per cell (main, secondary 1 – 2) ▪ Link Source selection ▪ Attenuation and Inversion, ▪ Affectation in Additive or Multiplicative form ▪ Independent on each cell, dynamically allocable ▪ Level, Pitch ▪ Envelope: Left-Right, Front-Back (Top-Bottom, w 8 out option) 	<p>ENVELOPES TYPES</p> <ul style="list-style-type: none"> ▪ Point-to-point with variable length and loop points, ADSR with looping <p>Processing Cell Count (RAM)</p> <p>Processing Ram on cells</p> <ul style="list-style-type: none"> ▪ One per Even Cell (base 128) ▪ 8 M x 24 bits, with configurable length and loop points <p>Ram control from cell</p> <p>Cell Amplitude Env.-Link</p> <p>Cell Frequency Env.-Link</p> <p>Cell Phase/Delay-Link</p> <p>Cell Filter Envelope-Link</p> <p>Filters count</p> <p>Filters types</p> <ul style="list-style-type: none"> ▪ Frequency, looped/non-looped, size ▪ Absolute or Relative to Voice ▪ Absolute or Relative to Voice ▪ Phase – Synthesis, ▪ Delay – Processing ▪ Frequency Cut-off, type, base slope ▪ One per Even Cell (base 128) ▪ Low-Pass, High-Pass, Band-Pass with 1 – 24 db / octave ▪ Selection from: PWM, Morphing, <p>Cell General Env.Function</p> <p>LFO</p> <p>MIDI Controls</p> <p>MIDI Destinations types</p> <ul style="list-style-type: none"> ▪ Each cell can be set as LFO ▪ On any Cells' Parameter(s) – Voice parameters ▪ Spectra - Dual with balance, any parameter(s) ▪ Envelopes – Dual with Balance, any parameter(s) <p>CONTROLS SOURCES</p> <ul style="list-style-type: none"> ▪ MIDI – assignment to sound elements parameters ▪ Signal Inputs: Signal, Amp / Pitch detect, thru Cells Links ▪ Instrument: thru Cells Links ▪ GRAPHER Panel: used as controller on 3D operation – X, Y, Pressure

Acxel2 «RACK» synthesizer is an independent rack mounted unit in a standard 48 cm (19-inches 2U box) and can be inserted into a "rack" cabinet or used as a stand alone unit. For stage musicians, home studios and professional studios, all standard connections are present: midi, analog, USB2, mic / line / instrument. A 128 sounds library is included. Additional RPP processors, Analog options (OpANA) and Digital options (OpDIG) are also available to meet all requirements.