



USER GUIDE - VERSION 1.0.1 - APRIL 2019



PLAYABLE GRANULAR SYNTH & BEATLOOPER

POWERED BY
 **REAKTOR 6**



- Splice and dice over samples ! Slide the cursor over the pad and travel/scan inside waveform's micro formants or even jump over different slices...

CATALIZ offers a refreshed approach to produce playable harmonics and beats or creative sound design, giving birth to unusual textures and never heard sounds patterns.

- Kind of autonomous audio object or generative music tool, CATALIZ is a granular travelizer, a polyphonic tone sampler, a synchronized beat looper and a slicer. Recycle and play all kind of samples.

- Enhance the granular stream with a Modal Filter and a Resochord for a more physical acoustic rendering of the sound. Less crunchy, totally spectral.

- The DSP quality in granular synthesis is provided by the embedded modules of Reaktor 6. These are recontextualized and simplified in a unique concept dedicated to live performance.

- Record/overdub the envelope and the note produced by the XY pad in real time. Manage the inertia of the playback movement over the waveform. Draw a 2-axes modulation that controls the position, the density of the length of your audio sources... Even the click on the pad is sending a note... All the features that provide an instant control !

- Skip from 5 different samples on each incoming gate event with the Random and Forward mode in order to push morphing effects between sounds on your preset parameters.

- A perfect device for sound designers, composers and music producers that comes with 1,84 Giga of sounds form of all kind (pads, beats, slices, noises, voices, field recordings...) distributed in 9 banks.

- An impressive collection of 500 presets which explore the various instrument scope (drones, atmos, cinematic soundscapes, SFX, whooshes, timbres and even rhythmic)

- Included in the instrument, a space reverb, a stereo/binaural system with a doppler to manage the global imaging of the sound source and a minimal set of Compressor and Limiter in order to stabilize the output level behavior.

- Prepared mapping and Light Guides for NI Komplete Kontrol keyboards.

- Much more than an edition tool, CATALIZ° is an authentic instrument for granular synthesis real time performances. One cursor action on the pad can produce drastic and expressive modulation and harmonic changes. Thanks to the second GUI view of the instrument, which comes with a wider XY pad, the cursor can also be controlled by internal or external touchscreens*

Note : Reaktor is not multitouch ready, but if you own a laptop or hybrid PC equipped with a touchscreen or an iPad/with tiers application that can be used as a second display, you can easily take advantage of the XY pad and other parameters. Monotouch is enough with this device.

HOW TO INSTALL CATALIZ°

Unzip the package and drop the resulted folder wherever you want.

Blinksonic° CATALIZ° ensemble can be open directly by double clicking on the file in your browser.

If you use a DAW (Ableton, Logic, etc..) you need to open the ensemble from Reaktor VST or AudioUnit plugin. There are different methods to do so. Refer to the "Application reference" in the Help section of Reaktor. This explains how to manage directories/folders.

But the most direct way would be this one :

- in the browser on the left, click the « FILES » tab
- then you can explore on your disk, following the folder which contains your ensembles.

Note : In any case, when Reaktor is open, you can drag and drop the ensemble from your folder inside Reaktor.

For NI MASCHINE and KOMPLETE install, follow the two links below.

Both pages explain how to integrate your Reaktor ensembles and where to copy your files :

- <https://support.native-instruments.com/hc/en-us/articles/210280205>
- <https://support.native-instruments.com/hc/en-us/articles/209544869>

REQUIREMENTS :

- a MAC or a PC with a FULL version of Reaktor 6.2.2 (CAUTION : the .ens is not encrypted for Reaktor Player)
- A screen resolution with a minimum of 1920 x 1200 megapixel for a full display on screen.
- Intel Core 2 Duo equivalent must be enough with 4 GB of Ram.

To give an idea this ensemble has been created on a 2,7 Ghz Intel Core i7.

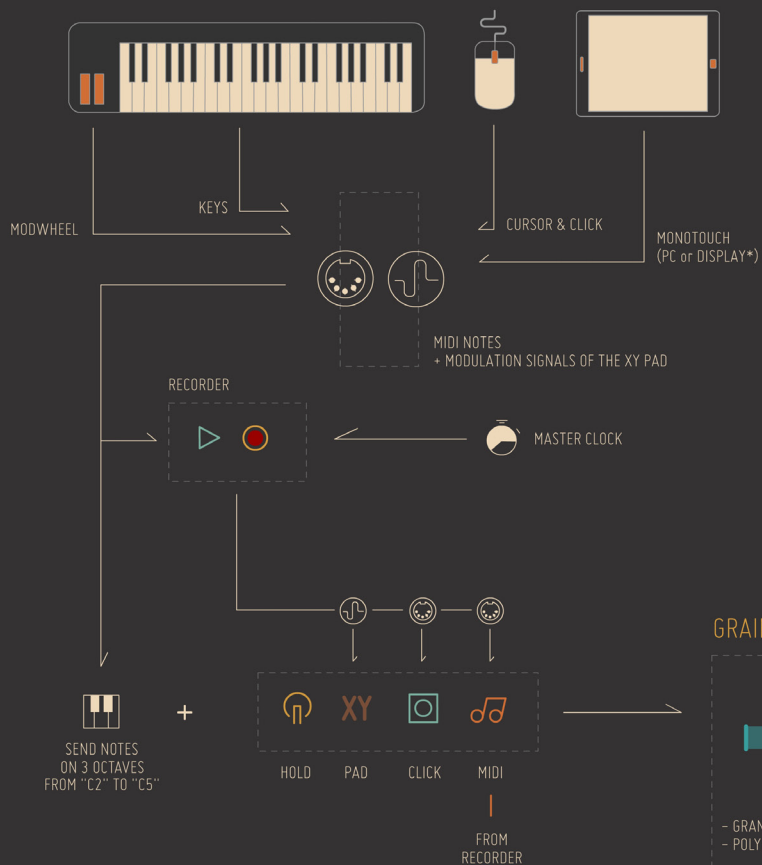
- CPU usage : Around 23% and 35% with a 2,7 GHz Intel Core i7, 16G Ram and Reaktor 6.

- An internet connection to download the files and potential updates.

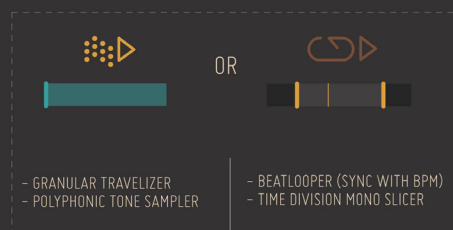
- Size: 1,91 Giga



ALL PARAMETERS AND FEATURES ARE DESCRIBED WHEN YOU POINT MOUSE OVER ON EACH ELEMENTS OF THE INSTRUMENT INTERFACE.
THE INFO/HINTS IN REAKTOR MUST BE ENABLED.

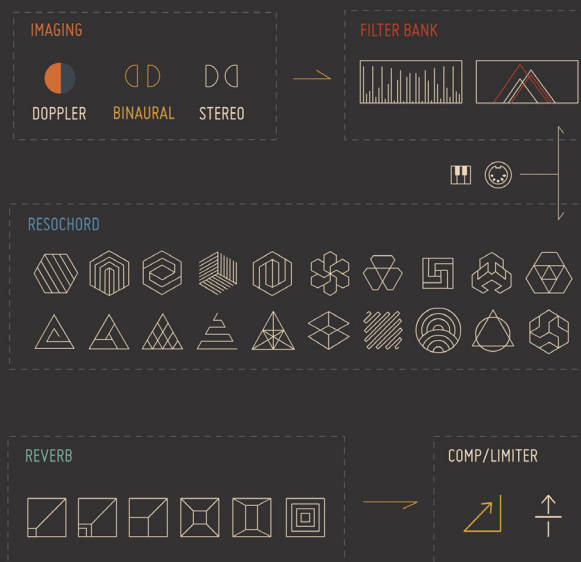


GRAIN & LOOP ENGINES



AUDIO PATH START

WORKS WITH THE FULL VERSION OF REAKTOR 6.2.2 (NOT ENCODED FOR THE REAKTOR PLAYER)



COMBINATIONS	SOURCES		
XY PAD ONLY		TRAVELIZER + KEYBOARD	SLICE ON XY + KEYBOARD
XY HOLD ONLY		LATCH MIDI NOTES	SLICE ON KEYS + CONTINUOUS PLAY
XY HOLD+PAD		TRAVELIZER + LATCH MIDI NOTES	SLICE ON XY + CONTINUOUS PLAY
XY PAD+CLICK		TRAVELIZER + MIDI CLICK/KEY	SLICE ON XY + GATE ON CLICK/KEY
XY MIDI ONLY		KEYBOARD + RECORDED NOTES	SLICE ON KEYS + REC GATE
XY PAD+CLICK+MIDI		ALL SOURCES - NO LATCH	SLICE ON XY+ LOOP FROM ANY GATES

GRAIN ENGINES

- GRANULAR TRAVELIZER
- POLYPHONIC TONE SAMPLER

LOOP ENGINES

- BEATLOOPER (SYNC WITH BPM)
- TIME DIVISION MONO SLICER

CATALIZ°

PLAY REC SLEEK INIT 2/2 2/6 = HOLD PAD CLICK MIDI SAMPLE CURRENT SET RND PWD 21 21 22 22 22 LOCK DROP SAMPLE HERE

WAVEFORM

QUALITY 4 PNT SMOOTH 100% FADE 100%

POSITION DENSITY LENGTH + PITCH FINE

ATTACK DECAY SUSTAIN RELEASE GAIN INERTIA

RESOCHORD

FEEDBACK DRY/WET

IMAGING

PLAY REC SLEEK 2/2 2/6 TIME INERTIA

REVERB

KNOBBS + PRESETS

POST/PRE

SIZE TIME HI DAMP LO DAMP DRY/WET

SMALLER SMALL STANDARD BIG BIGGER ENDLESS

HEAD FILTER EAR SEP. DOPPLER DRY/WET

FILTER BANK

WAVEFORM FILTER

WIDTH RESONANCE

GAIN IN DRY/WET GAIN OUT LFO DOSE LFO CYCLE SYNC

SAMPLE BANKS

PADS / ATMOS ME / LOOPS TONES NOISES SLICES BEATS INST / ACOU VOICES FIELD REC USER

MASTER VOLUME

BLINKSONIC°

CATALIZ°

PLAY REC SLEEK INIT 2/2 2/6 = HOLD PAD CLICK MIDI SAMPLE CURRENT SET RND PWD 39 40 37 34 40 LOCK DROP SAMPLE HERE

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MASTER VOLUME

BLINKSONIC°



PERFORMANCE TIPS :

- SWITCH BETWEEN THE 2 ENGINES IN ORDER TO GET ALTERNATIVE PLAYBACK OR BREAKS, AND GLITCHY EFFECTS



- WITH THE LOOP ENGINE, ENABLE THIS BUTTON LETS INSTANT PLAYBACK OF THE SAMPLE IN ITS ENTIRETY.



- DEFAULT VOICE NUMBER OF CATALIZ° IS SET TO 2 VOICES. IF YOU WANT TO INCREASE POLYPHONY AND IF THE CPU OF YOUR COMPUTER ALLOWS IT, YOU CAN SET AN HIGHER NUMBER OF VOICES IN REAKTOR INSTRUMENT PROPERTIES ("FUNCTION" TAB).

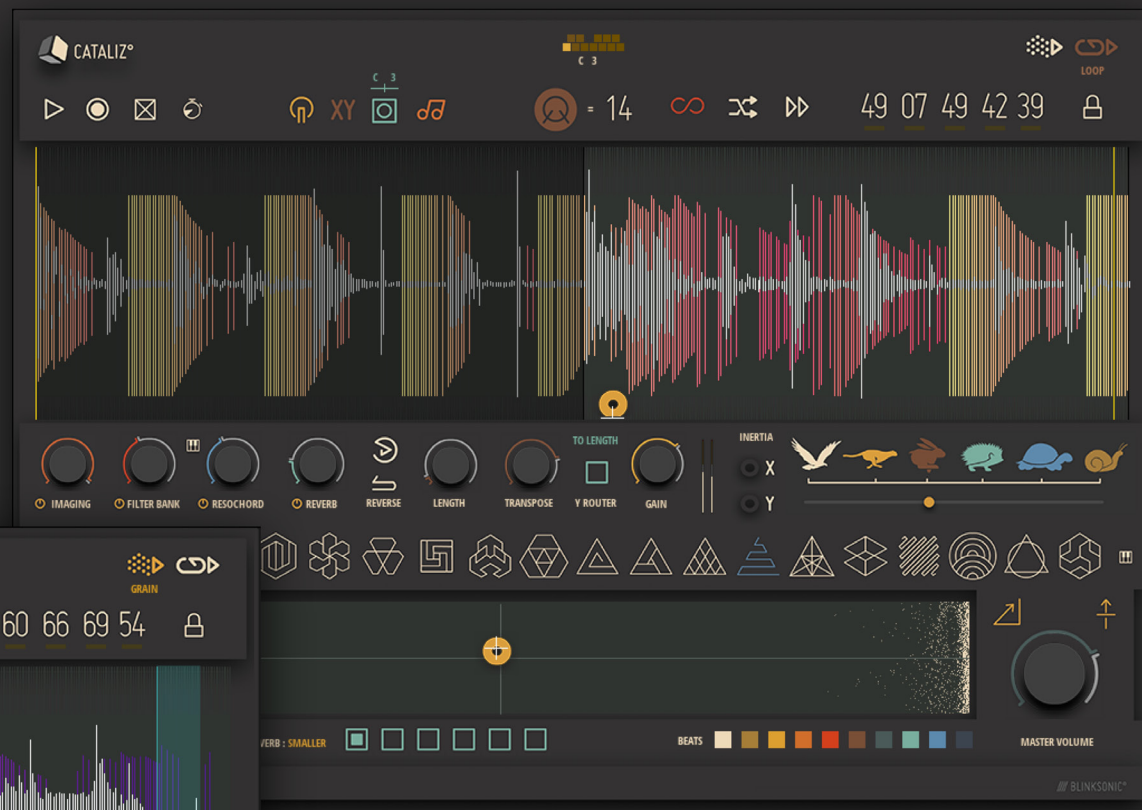
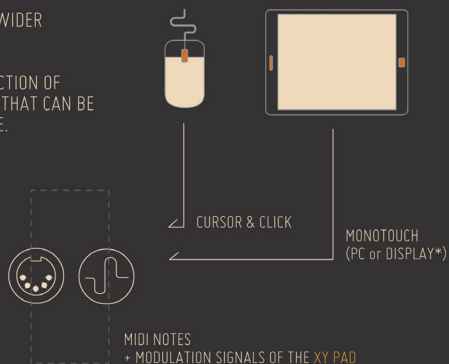


"PERFORMANCE VIEW" ALLOWS A WIDER GESTURE ON THE "XY PAD"

IT ALSO DISPLAYS A MINIMAL SELECTION OF PARAMETERS & GUI COMPONENTS, THAT CAN BE HANDY DURING LIVE PERFORMANCE.



SCREEN RESOLUTION OF THE PERFORMANCE VIEW IS 1030 x 827 PIXELS



CONTROL TIPS :

- APART THE OBVIOUS USE OF A MOUSE OR A TRACKPAD, THE "XY PAD" CAN BE CONTROLLED WITH THE MODWHEEL OF A MIDI KEYBOARD. IF VALUE SENT BY THE MODWHEEL IS ABOVE "0.01", A NOTE EVENT IS SENT AND THE REST OF THE RANGE CONTROLS THE "X" AXIS (POSITION OR START)

- EVEN IF REAKTOR DOES NOT SUPPORT MULTITOUCH SCREENS, IT'S STILL POSSIBLE TO CONTROL THE "XY PAD" AXIS AND CLICK/PRESS WITH A TABLET PC OR ANY TOUCH DISPLAY. IT'S EVEN POSSIBLE TO DO SO WITH AN IPAD CONNECTED TO THE COMPUTER AS A SECONDARY DISPLAY. FOR THIS, A TIERS APPLICATION AS "DUET DISPLAY" OR "IDISPLAY" MUST BE INSTALLED ON BOTH COMPUTER AND IPAD.

- CATALIZ° PARAMETERS ARE PRE-MAPPED FOR COMPLETE CONTROL AND MASCHINE. 13 PAGES OF 8 KNOBS FOR AN INSTANT CONTROL OF THE INSTRUMENT. ALSO INCLUDED, THERE IS A SPECIAL KEYBOARD SET WITH "LIGHT GUIDE":



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