


ValEVarion *evolved*

multitemporal note generator

UNBEARABLE DEVICES
www.unbearablerecordings.co.uk 

ValEVarion Evolved is another offering from Unbearable Devices in the Multitemporal Audio Tools series.

ValEVarion is MIDI based and before you start complaining, think. Think that all your software based samplers and softsynths can be controlled by MIDI. So even if you don't have an exquisite sounding hardware MIDI sound generator, all you existing software arsenal is there ready to be used with the ValEVarion.

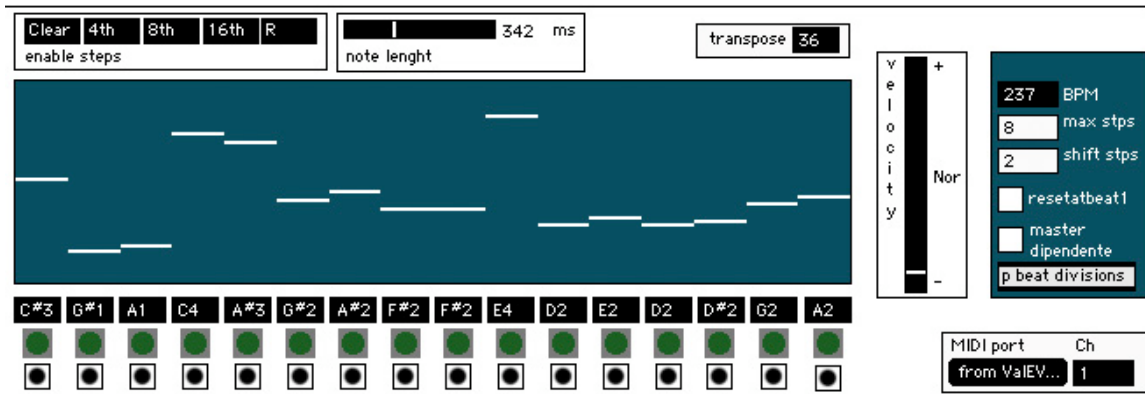
But what is it? Is a step sequencer, based on three independent sequence generator. Each sequencer can run indipendently and at different speed from the other twos and of course pitch and velocity can be changed to your liking too to create truly multitemporal harmonies. Now in this 'Evolved' version you get the chance of selecting a basal scale range to work with.

Giving you full on modal empires in which you can run astray your wildest melodic dreams.

note: the rest of the manual refers to the original ValEVarion, which lacks a few features, like keyboard transpose, modal scales and additional midi outs.

Here's an explanation of every section of the ValEVarion.

STEP SEQUENCERS



The screenshot shows the ValEVarion step sequencer interface. At the top left, there are buttons for 'Clear', '4th', '8th', '16th', and 'R', with 'enable steps' below them. A 'note length' slider is set to 342 ms. A 'transpose' field shows 36. The main area is a piano roll with a dark blue background and white horizontal lines representing notes. Below the piano roll is a keyboard layout with 13 keys: C#3, G#1, A1, C4, A#3, G#2, A#2, F#2, F#2, E4, D2, E2, D2, D#2, G2, A2. Each key has a green circle above it and a black circle below it. On the right side, there is a 'velocity' slider with a vertical scale from '-' to '+'. Below it is a control panel with a '237 BPM' field, '8 max stps', '2 shift stps', 'resetatbeat1' checkbox, 'master dependente' checkbox, and 'p beat divisions' field. At the bottom right, there is a 'MIDI port' field set to 'from ValEV...' and a 'Ch' field set to '1'.

First of all you need to select the midi out channel you want to use for the step sequencer (note that you can have a different channel for each sequence). You do that by clicking on the MIDI port menu and channel.

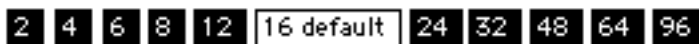
In the large colored box you select the notes that want to sequence. Clicking on the little white boxes will enable/disable the steps and the green leds will show you where you are in the beat. The buttons above will allow you to quickly **Clear**, **play 1/4th**, **1/8th** or **1/16th note** or even **Randomize** the pattern. You can decide the note length (in ms) using the slider on top and using the transpose control you can easily transpose the whole sequence (from -64 to +64 semitones). The velocity slider is like a gain control for the velocities. The main accents are still set with the velocities controls (see next) but with this slider you can trimmer and fine tune the dynamics of each sequence. The other colored box is pretty easy and has the BPM control and the length of the sequence (1-16).

For Sequence 2 and 3 you also have this controls:

Shift stps will shift the sequence by the number of steps set, The **resetatbeat1** function will reset the position of each sequence every time the master sequence (seq [1]) will loop. This is very good when you want to have a decent timing because they get synchronized every bar. The **masterdependente** function will allow you to desync the sequence and play it at a different BPM.

beat division

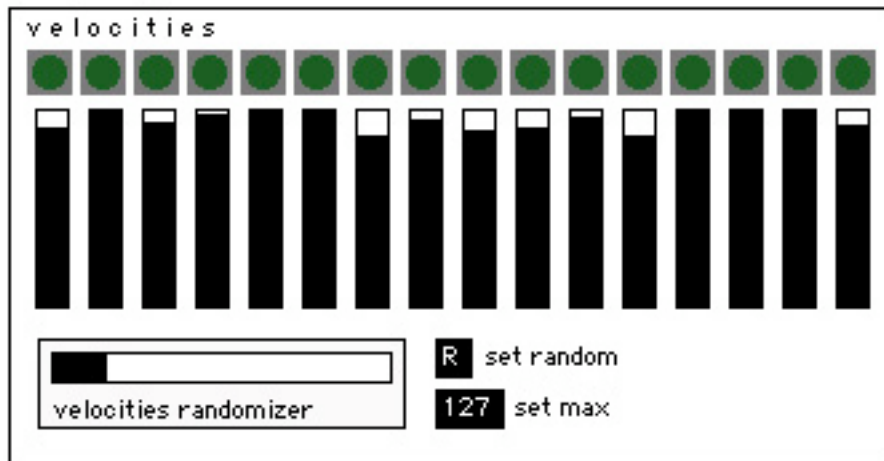
If you double click of the beat division box you can access to this parameters.



beat divisions [1]

Here you can change the division of the bar so you could have for example 12 , 32 or 48 notes in one bar instead of 16.

VELOCITIES



You set the velocities for the 16 steps using the black and white controllers. The green leds will show you where you are in the beat.

Note: this velocities refer to the first (top) sequence but will affect also the other 2 even if they run at different tempos. You'll have to try this one to find out what it sounds like.

The velocity randomizer will randomize periodically all the velocities and you can fine tune the amount of randomization using the black and white fader. Pressing **R** you will quickly change all the velocities and pressing **127** you will get all the velocities at 127.

TIMING CONTROL



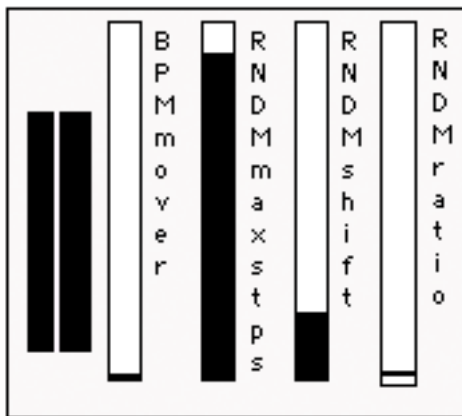
The timing control section let's you decide whether you want the beat to be in time (**tight**) , totally out of sync (**untight**) or have different bpm's for each row but have the start of each sequence in sync (**mezzotight**).

For example: you can have the master sequence at 169 and the other 3 sequences respectevly at 150, 187 and 65.

*If you set **untight** you will have those 4 sequences running totally independently, if you set **mezzotight** every time the master sequence loops the other 3 sequences will start again but always keeping the slower bpm.*

*If you then set **tight** all the tempos will jump to the master bpm value , in this case 169.*

R A N D O M I Z E R



The randomizer section has 4 controls. All of them can be tweaked using the black and white faders.

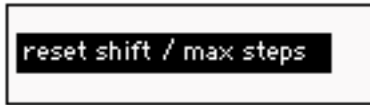
The **BPM mover** randomly moves up and down the master tempo.

The **RNDM maxsteps** randomizes the length of the sequences. If you use a maximum value the sequences length will randomly change from 1 to 16 steps. The lower the amount the fewer the steps are going to be. To disable this function all you need is to set it to the maximum value.

The **RNDM shift** randomizes the shift parameter of the sequences. To disable this function all you need is to set it to minimum value.

The **RNDM ratio** is the randomization ratio. The minimum value is 250 ms. This parameter does not affect the velocities randomizer.

This button will readjust the default settings for lengths of the rows and shifts.



TRANSPORT CONTROL



..well.. this doesn't need much explanation.

USER PRESETS

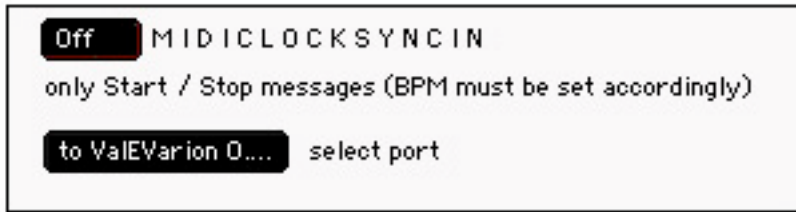
presets **write** **read**



Use this section to store and recall all the window settings. To store Shift+Click on the boxes; to recall just click on the boxes.

MIDI SYNC

Double Clicking the MIDI SYNC box in the sequencer section will take you here:



Enabling the MIDI CLOCK SYNC IN you can use the VAIEVarion in sync with an external device like a sequencer.

Please note that the VaIEVarion receives only the start and stop messages so you have to set the BPM accordingly to the master device (if really will to do that naturally...)

Enabling the MIDI CLOCK SYNC OUT you can get the VaIEVarion to generate a midiclock signal, so you can use it to sync external devices to it. Unfortunately it's not very stable so it'

ENJOY!

SYSTEM REQUIREMENTS

MAC G4 with Tiger or higher

To be able to see the entire window you need a resolution of 1024 X 768.

THIS PROGRAM IS FREE BUT IF YOU REALLY LIKE IT YOU COULD ALWAYS MAKE A DONATION :) USING PAYPAL PAYABLE TO z@unbearablerecordings.co.uk

Also...please let us know if you use it on some good music

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