

VFX scripts - 6.1.08

I hope to get this all contained into one file, I need help on that, that can be sent via sysex dump. However, at this point you must use [bcreditor](#) to send the .bc2 scripts.

What these scripts do – allow you to real time control/editing your Ensoniq VFX (vanilla) with the BCR2000 using system exclusive midi messages.

Directions -

1. Get [bcreditor](#), in the applications folder.
2. Get all 6 [.bc2 files](#).
3. Open bcreditor, open script "vfx_vox_1.bc2"
4. Route midi to the Bcr2000. Either usb or direct, you figure that part out.
5. This will OVERWRITE preset #1 in your bcr - Send it to your bcr2000.
6. You should be looking at P-1 on the BCR now.
7. Route midi from the BCR2000 to the VFX - Watch your modes... see bcr manual for help with that.
8. Read the description of layout below, while looking at the image and twisting knobs.

****Important - This is not perfect - if you twist too many knobs at the same time or too fast or try to hit too many keys at once while twisting - you will get midi sysex receive errors on the vfx. It can't handle all the info you are sending. It will say "midi sysex receive errors" "press any key to continue". It should restart, it may seize on you "midi sye-ex", and you are forced to power off and back on. I have tried to minimize that. Think "gently" as you make adjustments until you get used to the limits.*

Hints I have discovered - have 1 note down "before" you twist, don't change notes or work any aftertouch pumping, and again gently.

9. Send the other .bc2 files 2-6 to the BCR2000 and use the < preset > buttons to change which voice you are working on.

Description of layout – not a description of how to program your vfx, read your vfx manual for that. See next page - remember this is for **voice #1**.

The **bottom row of encoders**, left to right -

Volume, wave delay time, pitch modulation amount (all mod amounts depend mod source button see later chart), pitch mod amount controlled by LFO, Noise Src rate, Lfo_rate, Filter #1 cut, Filter #2 cut.

4 Buttons to the right of bottom row.

button (top left)

Voice #1 off/on/solo (the bcr2000 will show numbers it's screen 0,1,2 for off/on/solo it's good to remember that)

Pitch_Oct + goes up 0-4 octaves than wraps back to 0,

Semitone goes up 0-11 semitones, then wraps back to 0

Pitch_oct- On screen bcr will show 6383=oct-1, 6382=oct-2, 6381=oct-3, 6380=oct-4

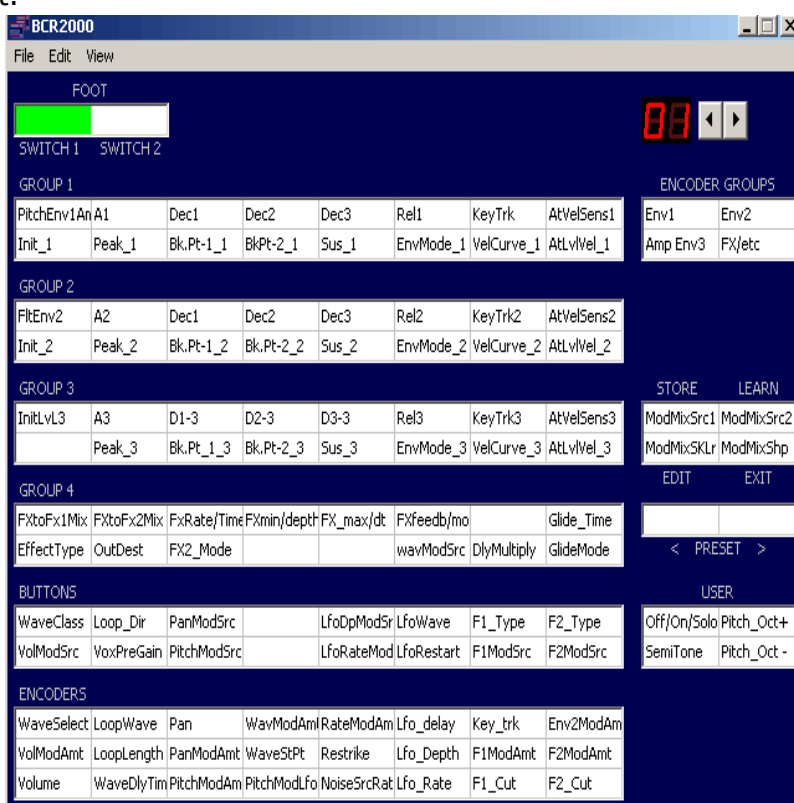
Next row up - #2 encoders

Volume modulation amount, Loop length (multiwave only) Pan Modulation amount, wave start point, restrrike, lfo_depth, Filter 1 cut Modulation Amount, etc.

Next row - # 3 encoders

Wave select (turn this knob to change your waveforms all are there), Loop wave (multiwave only) Pan, wave mod amount, rate mod amount(Lfo), Lfo delay, Key track amount filter 1 cut, Env 2 modulation amount filter 2 cut.

Modulation Sources	
# on screen	Modulator
0	LFO
1	Env 1
2	Env 2
3	Noise
4	Mixer
5	Velocity
6	Keyboard
7	Timbre
8	Pedal
9	Pitch
10	XControl
11	Pressure + Velocity
12	Wheel + Pressure
13	Wheel
14	Pressure
*15	OFF – Default



Buttons bottom row – watch values on bcr screen 15 (off) is default.

Volume modulation source (see table), voice pre gain, pitch mod source, blank, lfo rate mod source, lfo restart, filter1 cut mod source, filter 2 cut mod source.

Next row up Wave class, loop direction, pan mod source, blank, lfo depth mod source, Filter 1 type, filter 2 type.

The top row of encoders/push knobs will control groups 1-4.

In general the knobs are the times, the pushes are the levels (with 16 steps of 8 over the range 0-120) *Note - This is a compromise to allow as many controls as possible, if you don't like it change it!*

- Group 1 are all Env 1

Knob #1

Pitch envelop 1 amount=Knob turn

Initial Level value=push

Knob #2

Attack time =knob turn

Peak level = push

knob #3

Decay 1 time

Break point 1 level

knob #4 decay2,breakpoint #2 level

knob #5 decay3, sustain level

knob #6 release time, Envelop Mode

knob #7 KeyTrack amount, Vel curve

knob #8 Attack velocity sensitivity, attack level velocity sensitivity.

Group 2 = Env2 is the same commands.

Group 3 = Env 3 the only difference is initial level is on the knob no push for first knob.

Group 4 is FX and etc.

Buttons next to row 3 – store = modulation mixer source #1 (see chart), Learn = modulation mixer source #2, Edit = Modulation mixer scaler, and Exit = Modulation mixer shape.

Note – these four buttons no longer function (in this preset as store, learn, edit, and exit)

If you need to get to global paramaters for the bcr switch to a different preset number like #7

That's all folks.

Enjoy and if you like it, buy me a [beer!](#)