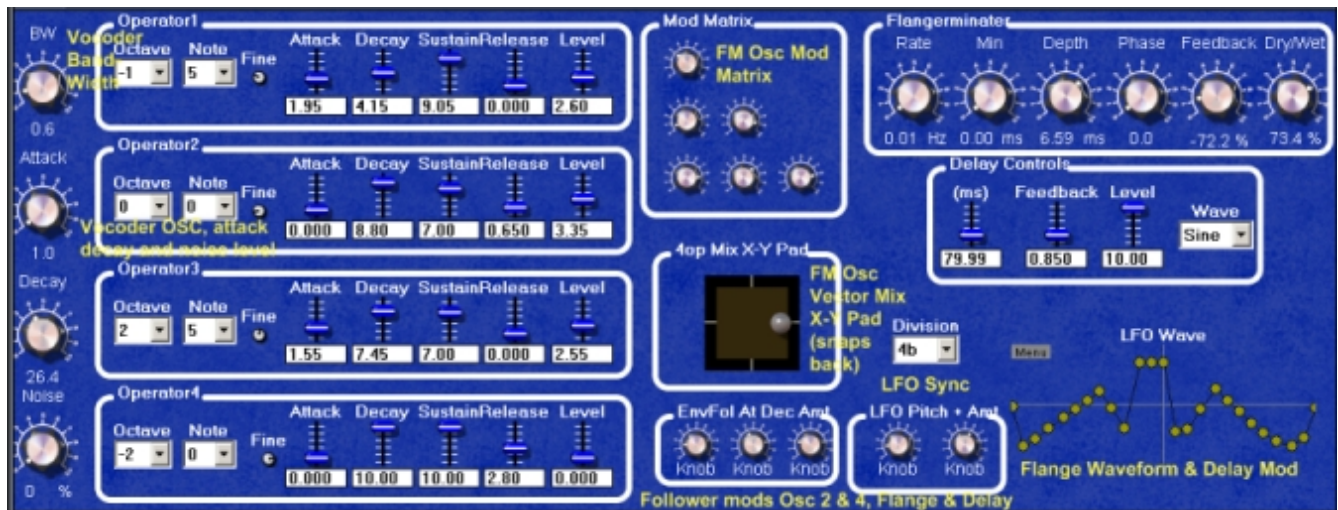




This is the user manual for Re-Coder VST version 0.1, an effect made by runagate. This is an alpha version of a project, and as such use at your own risk.

**Proudly made in SynthEdit – This VST plug-in is Freeware**

**This effect will be changed, possibly drastically, including most likely having a different name and getting itself a non-default GUI.**



**Re-Coder is an FSU effect based on a Vocoder.**

Unlike a normal vocoder Re-Coder has four FM Oscillators. Oscillators 2 & 4 are modulated by incoming pitch and the envelope follower. **Oscillators 1 & 3 are controlled by midi notes**, so you'll want to route a midi track from your host to this plug-in. Or not, and just let Osc 2 & 4's pitch tracking add to the FM matrix. All 4 are routed into the X-Y joystick which controls a vector mixer. Unfortunately, the joystick “snaps back” in this version, so you may want to automated it or record the movements you perform with it.

The “BW” knob controls the vocoder's bandwidth. The Attack and Decay knobs are also for the Vocoder, and the “Noise” knob adds what you'd expect, to increase speech intelligibility.

The Mod Matrix controls how the 4 oscillators' frequency modulates one another.

The Envelope Follower also modulates the Flanger's phase and the Feedback..

The EVM LFO has some preset waveforms or can be drawn with your mouse. It also has a tempo sync division control drop-down menu. It modulates the Sync of the Flanger as well as a modulation source for the Delay's Time.

The “Wave” drop-down menu under delay controls is actually the waveform of the flanger.

There's no wet/dry control for the Delay. If you don't want it in your signal chain, turn the (ms) (Time) and Feedback controls to zero.

The “Level” control adjusts the **overall volume** for Re-Coder, not just the delay.

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### Links

SynthEdit <http://www.synthedit.com/>

Dave Haupt Modules <http://www.dehaupt.com/SynthEdit/semmodules.htm>

Chris Kelly Modules <http://www.chriskerry.f9.co.uk/>

de la Mancha <http://www.delamancha.co.uk/index.htm>

runagate <http://www.3amnoise.net/runagate>

Thanks to Etric van Mayer, Jack Dark, de la Mancha and my friend bobsled without whom this wouldn't be possible.

### About the Developer

runagate is a USA- based producer of psychotic psychedelic electronic music who spends an inordinate amount of time haranguing fellow musicians about how they can now make music largely for free with software tools that would have been unimaginable at any price a scant few years ago.

My ally de la Mancha has not yet had anything to do with this version of the plug-in, so don't blame him when it doesn't make a lot of sense and might just lick you strangely.

Sign up for the de la Mancha newsletter if you want to be kept in touch about plug-in releases and updates:  
[news-subscribe@delamancha.co.uk](mailto:news-subscribe@delamancha.co.uk)