Dulcet 1.1
VSTI Manual

Dulcet VSTI is a delay based physical modelling hybrid using basic synth waveforms and different Noise modes together with filters.

Main Features

Physical Modelling using a delay that can be excited with Noise or basic Oscillator waveforms. The FB slider sets the Feedback amount of the delay. Setting the slider to bottom is the same as turning the Physical Modelling off.

Oscillators & Noise Generators

White, Pink, Red and Blue noise that can be used to noise generate noise, excite the PM delay or to FM modulate the Oscillator.

Oscillator with saw, sine, square (with adjustable pulse width) waves and white and pink noise modes. It can be used as a sub oscillator, or as an exciter for the PM delay.

Pitch Envelope

The Pitch envelope has adjustable probability and can be set to modulate the pitch of the Oscillator, the pitch of the PM Delay or both.

Vibrato & Tremolo

The Vibrato is a simple vibrato which can be delayed on each note before starting.
The Tremolo can be use as a normal tremolo or/and as a LFO for the main Filter.

Filters

Dulcets main filter has 5 different filter modes. LP, HP, BP, BR and FORM a Formant based filter. The filter can be modulated with its own ADSR and with the Filter LFO. It has a randomiser for filter cut-off. Both Resonance and cut-off has key-tracking and Velocity parameters.

The Pre-filter has all the same filter types as the Main filter except FORM. And can be used to filter the Noise generator, the Oscillator or both.

Dulcet also has a Body resonator that comes with 15 different body types.

ADSRs

Dulcet comes with three ADSRs. The Noise Generator and Oscillator have both their own ADSR. Then there is the Main ADSR which controls the PM delay. Its useful when using 100% feedback.

Delay

A simple delay is included to give more life to sounds which may need it.

Controls

Dulcet uses sliders for adjusting values and click-able text for making options. Any text that is blue or grey can usually be clicked on to change or activate a feature. Grey text means the feature is off or disabled. Blue means a feature is in use. Clicking a blue arrow next to a click-able selector will open a drop-down menu instead.

MIDI Send

This VSTI sends out pitch and trigger signals through MIDI. It can be used to layer many instances of Dulcet or to layer Dulcet with any other MIDI receiving VSTI.

License

Dulcet VSTI is free to use. It can be distributed freely as long as you don't make any profit from it. If you want to support me go to www.xenobioz.com and listen to my music. comments and feedback is nice too.

Version History

1.1 Fixed a MIDI bug, Changed all selectors to click-through type with optional drop down menus for selectors with many options.

1.0 first release

WARNING!!!

This VSTI can sometimes produce very loud sounds that could damage your equipment or ears. Please use a limiter or some other protection after it. Try to avoid playing the synth when switching presets or settings on the Body resonator.