Hello gang,

This is a stereo 96 stage PHASER/RESONATOR, so that's a total of 96 series all pass filters and in series mode a total of 192. The number of stages can be selected separately for each channel.

For its operation, there is an input gain and output gain control, a frequency knob sets the frequency for left and right channels, and a resonance knob (resonance for each all pass filter) again for both left and right channel. Now there are 2 feedback knobs, 1 for each channel. They set feedback around the entire number of stages selected and can be set to positive or negative feedback. There is also a standard LFO and it modulates the frequency.

There is also a pitch follower. The stabilize knob does just what it says, while the other 3 knobs, Cv gain, VCO gain, and Pitch gain, modulate the frequency in various ways. The Cv is a raw control voltage from the pitch follower, and the vco gain is the pitch followers vco outputs gain, you can select sine, triangle, saw, and so on, while the pitch gain is a 0 to 1 pitch pitch output.

Far right is a knob that lets you swap the left and right channel, with centering making each channel mono. The wet/dry just again does what it says.

There is a series mode button. What it does is connect the left

channel into the right channel and disconnects input to the right channel. So now you still have out of the left channel the number of stages you have selected, but out of the right channel you have double that number up to 192 stages.

Let me also point out beside the standard phaser type effects as in the name this is also a resonator. By inputting a midi pitched noise source you can produce some really wield sounding metallic and other pitched sounds.

Last there is the KILL AUDIO button. As with all devices like this there can be loud feedback, and possible freezes. For instance if resonance, feedback, the follower modulate knobs all get turned to the max.

I have provided 11 presets to start you off, so play with them for a while then start turning knobs.

Have fun then, till next time, BobF.....