Re
Rack Extension

OUROBOROS

MULTI FEEDBACK CHAOS EFFECT

Panel layout:

General
Use the Bypass/On/Off switch to enable and disable OUROBOROS. Bypass is only possible with the MAIN jacks are used. Browse, open and save patches with the Patchbrowser.
In the bottom right corner you'll find a dry/wet mixer and the main output volume (hardwired to the REVERB module - read more about the signal flow on the next page).

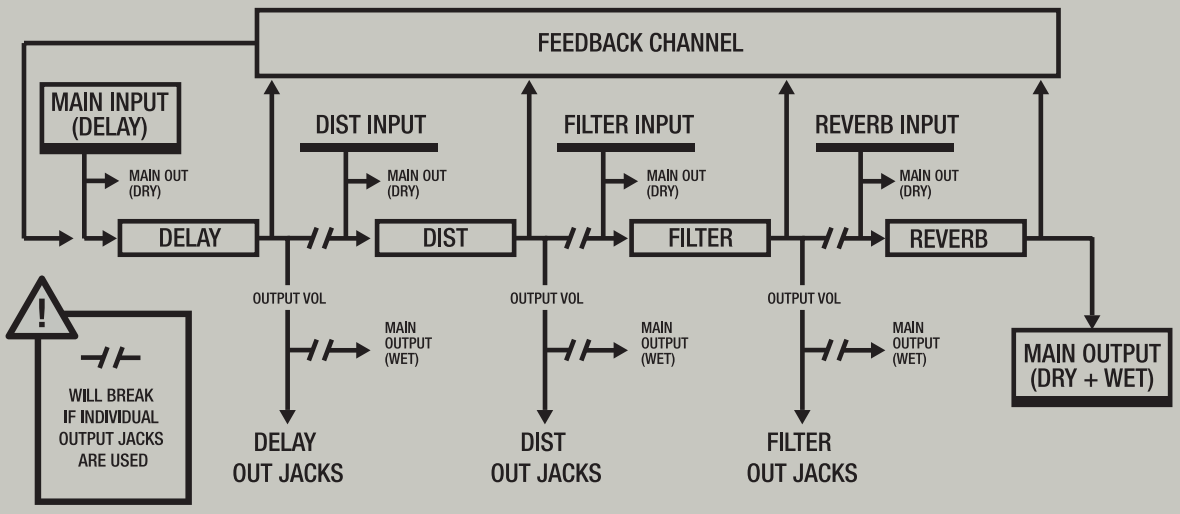
Modules
All modules share roughly the same layout; the big center knob controls the over all effect and the smaller controls around it will affect the character of the effect and the routing of the audio signal. The LFO MOD knob will modulate the effect according to the shape and rate of the LFO.

Noise Generator
In the bottom left corner you'll find 3 noise modes that will inject noise to the signal-chain. through the feedback channel. Control the character of the selected mode and the output level. Notice that this noise is not dependent on incoming audio - it will always produce noise if the level is set above zero.

Individual In/Out
Each module has in- and outputs that can be routed freely. Alternative routing will break the internal signal flow so route wisely!
Read more about the signal flow on the next page.

CV inputs
All modules and the Noise generator has two CV inputs each. There is also a CV input for the dry wet mixer. Scale the signal with the trimmers next to the jack for a good level of modulation.

Signal flow:



OUROBOROS has one stereo MAIN INPUT and one stereo MAIN OUTPUT. By default the signal first arrives in the DELAY module, once it's been delayed it moves on to the DIST, then the FILTER and lastely the REVERB before it reaches the output.
Each module has an OUTPUT knob that is used to send the signal directly to the MAIN OUTPUT once it's gone throught the specific module - or - as an output level control, if the output jacks of that specific module has been connected.

Each module has independent input and outputs and can be routed freely, be aware that connecting to these will break the internal signal chain.

Example: if the output of the FILTER is used instead of the MAIN OUTPUT, the signal will not go though the REVERB nor the dry/wet mixer of the MAIN OUTPUT, instead it will exit right after the filter, the output level is then controlled by the FILTER OUTPUT knob.

If Ouroboros goes silent: Check so that you've raised the OUTPUT knob of modules that has OUTPUT jacks connected.

Keep in mind that feedback loops might happen and that the internal signal flow is changing depending on what jacks are used. The dry/wet MIX knob can only be used as long as the MAIN OUTPUT is used as the main output as both the wet and dry signal goes to the MAIN OUPUT.

Thank you for supporting
Ekssperimental Sounds Studio!

Ekssperimental Sounds Studio is a one man project driven by the passion for experimental electronic sounds, new and old synthesizers and music gear.
As a Reason user since 2001 it truly is a dream come true to finally be able to create my own synthesizers and effects for the Reason rack.
Thanks to all of you who buy my products I can continue to learn and develope more fun and inspiring devices for our beloved rack.

I hope you will enjoy OUROBOROS!

Cheers,
Erik Söderberg 2021