

"Entanglement" Pedal
A sidechain centric multifx pedal
Artwork idea of something dark, liney (outrun style) with physics-ey looking graphics.

Main features

- 2 Stereo inputs
- 2 Stereo outputs
- Dist, comp & filter

Modes

"separated sidechain"

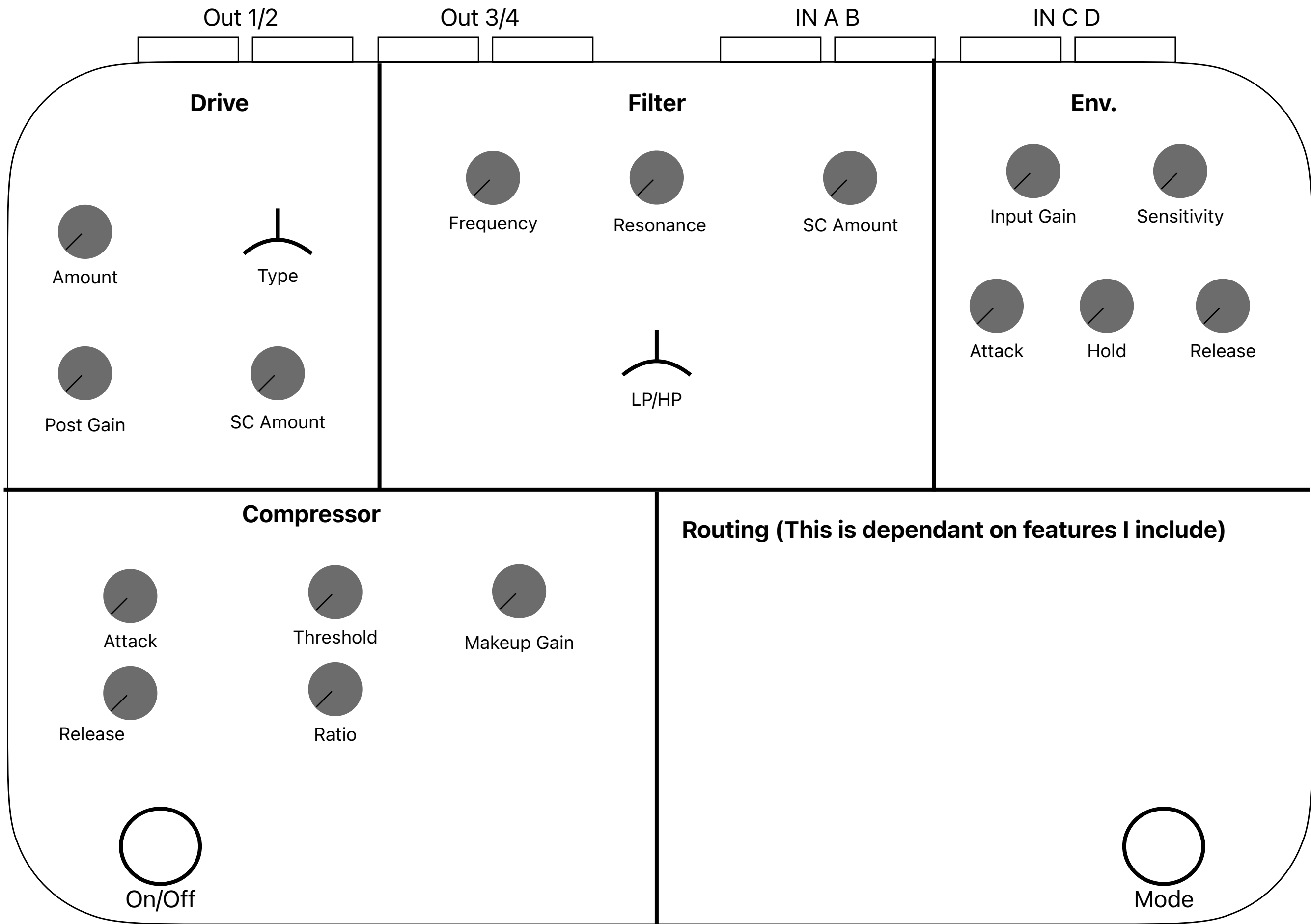
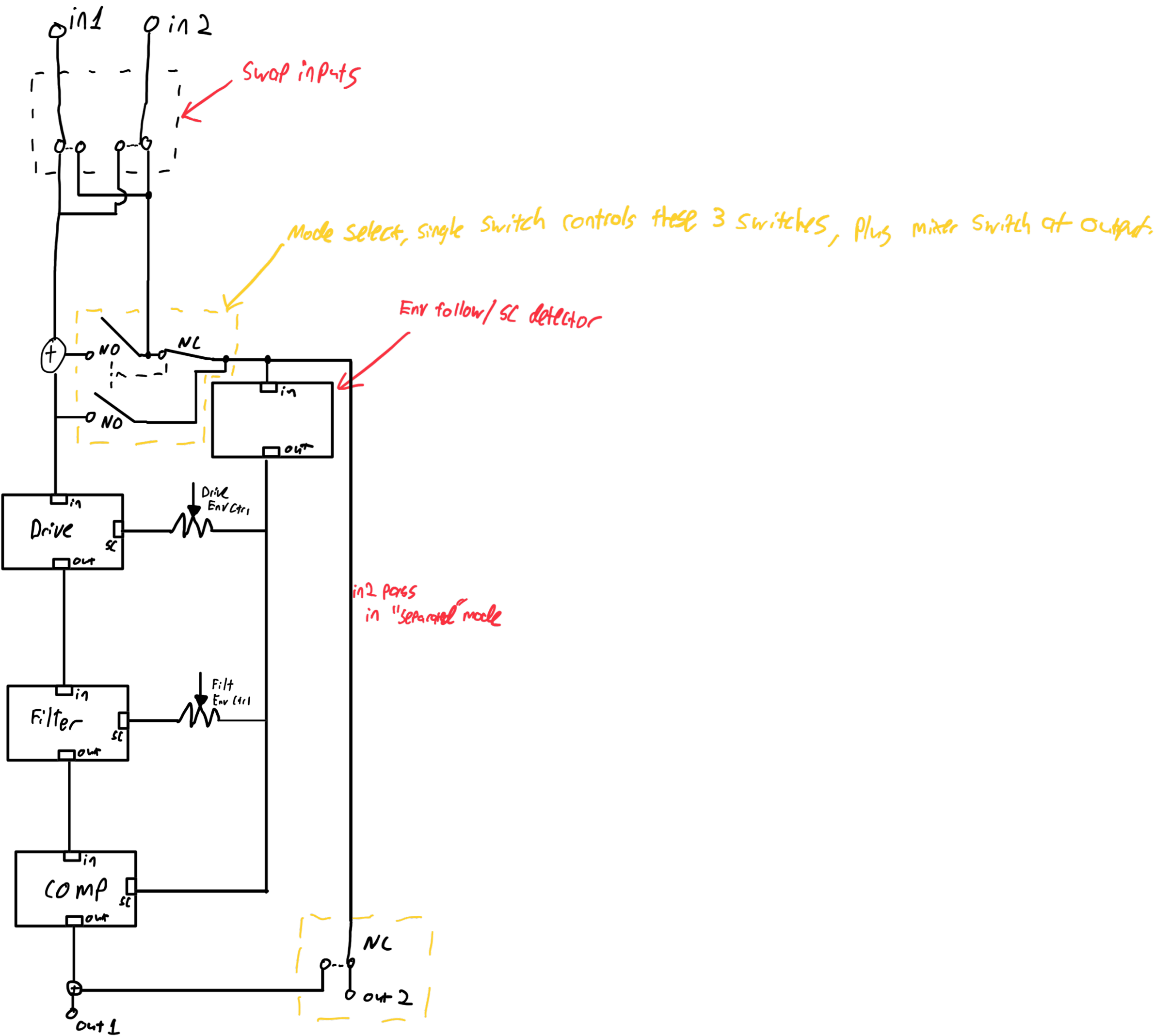
Input 1's envelope is triggered by Input 2
can affect the distortion drive, compressor GR, & filter QSR

Input 2 is unaffected & passes through

Notes

It is likely that the Compressor detection circuit should be separated from the Env follower. (I.e. it takes the raw SC signal rather than the "detected" SC signal. May need to be tuned differently than the Env follower. (Due to RMS vs peak)

Signal Flow



"Give mode"

Regular compression/distortion
mixes both signals & processes
them together

Drive

Controls

- * Drive Amount (Input Gain)
- * Drive Type
- * Post-Drive Gain
- * SC Amount

Filter

Controls

- * Frequency
- * Resonance
- * SC Amount

Compressor

Controls

- * Threshold
- * Ratio
- * Attack
- * Release