

rack: (n) a framework, typically with rails, for holding or storing things.

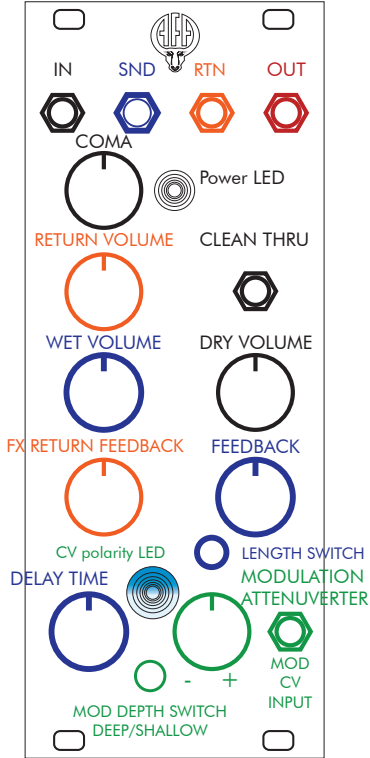
Tier: (n, n, Ger) Animal.

Congratulations! You are now the proud human to an AFA Coma Reactor Module.

This delay module looks deceptively simple on the outside - a seemingly no-frills approach based on the venerable PT2399 delay chip. The routing and sound design possibilities will however leverage your imagination to create nightmarish textures, generated by broken synaptic connections of an analog neocortex terminally damaged by digital drugs.

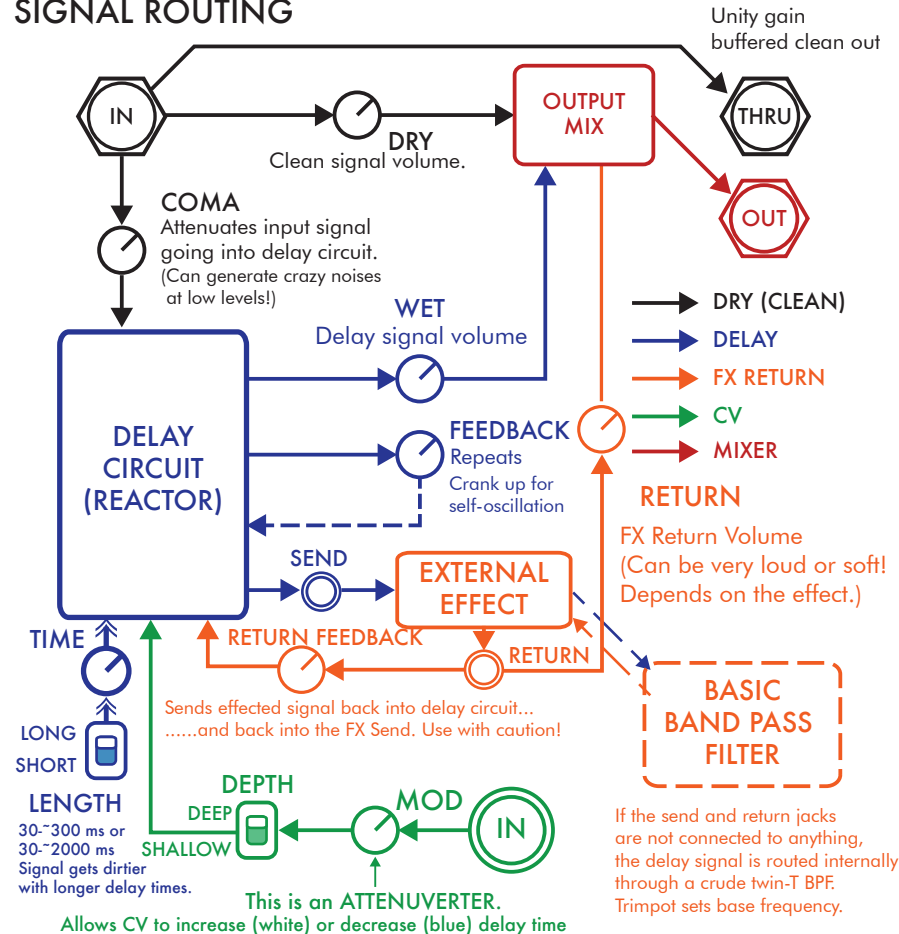
We recommend that you read this manual to get the most out of your Coma Reactor.

OVERVIEW



Looks simple, but packs a ton of sonic possibilities - check out the next page for a breakdown of signal paths and routing.

SIGNAL ROUTING



SAFETY

We attempt to build safe products.
Here are some further cautions you should exercise while using them.

1. Do not eat the Coma Reactor.
2. The Coma Reactor module follows the Eurorack standard power connection scheme, includes a standard 16-to-10 pin power connector, has reverse polarity protection diodes and a shrouded 10 pin header to ensure the power is connected only one way - the right way. Nonetheless, please make sure that your power supply puts out power in the correct manner (red stripe negative!)
3. When making any changes to trim pot settings, use a small screwdriver and do not exercise force on the body of the trimmer! A small adjustment can go a long way, so be gentle!
4. **DO NOT JUMPER THE FREE HEADERS ON THE PCB OR SWAP JUMPER POSITIONS.** Headers are for POWER and/or future expansion. Jumpering them may lead to malfunction and/or damage to the module, your power supply as well as other modules!!! We take no responsibility for this!
6. Your cat may take offence to the sounds made by Coma Reactor. This is normal. If you do not have a cat, please adopt a cat (unless, of course, you are allergic 🐾).

TECHNICAL DETAILS

Width: 10 HP (50.8 mm)
Power Consumption:
approx. 100 mA +12V, 30 mA -12V
Depth with power cable: approx 46mm

Audio Input: mono 1/8" with overload protection, 10V p-p
Input Impedance: nom >500kΩ
Audio Output: mono 1/8" with overload protection
Output Impedance: nom. approx 1kΩ

CV (0-10 VDC) Inputs:
Mod, with attenuverter control

One tested 25cm 16-to-10 pin power cable included.

TIPS AND TRICKS

1. The send/return FX loop can have very dramatic effects - keep in mind that turning the RTN FEEDBACK knob up will send the signal back into the FX loop. This can result in wild feedback even instantly, particularly when used with overdrive and filter modules. Particularly with filters, you may want to keep the resonance (Q) turned down all the way and tweak the feedback level to taste.
2. You can modulate the CV input with audio signals too! The effects are very unpredictable and dramatic.
3. The 6-pin header in the back is for future expansion. The jumper that comes pre-installed on the module sends incoming CV to control the cutoff on the in-built BPF for dirty guitar-wah like sounds. Removing the jumper will result in a fixed BPF frequency. **Do not re-install the jumper in any other position!**
4. You can also input a completely different signal to the RETURN jack and use this as a mixer of sorts, with or without delay on that signal. Get creative!
5. With no input attached, the Coma Reactor is capable of generating noises that can generate self-oscillation by turning up the FEEDBACK knob. Modulating the delay time can make this an interesting noise oscillator (not tunable!), particularly with resonating filters in the FX loop.

TIPS AND TRICKS

In general - it is far more useful to think of Coma Reactor as a texture/colour module than a regular delay module. You will get some usable delay sounds out of it... but that is definitely not what this module does best! We encourage you to use your imagination and exploit the routing as far as you can.

WARRANTY

All Animal Factory Amplification products, unless otherwise specified, are protected by a 2-year warranty on manufacturing and workmanship. This does not cover cosmetic damage by routine use.

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