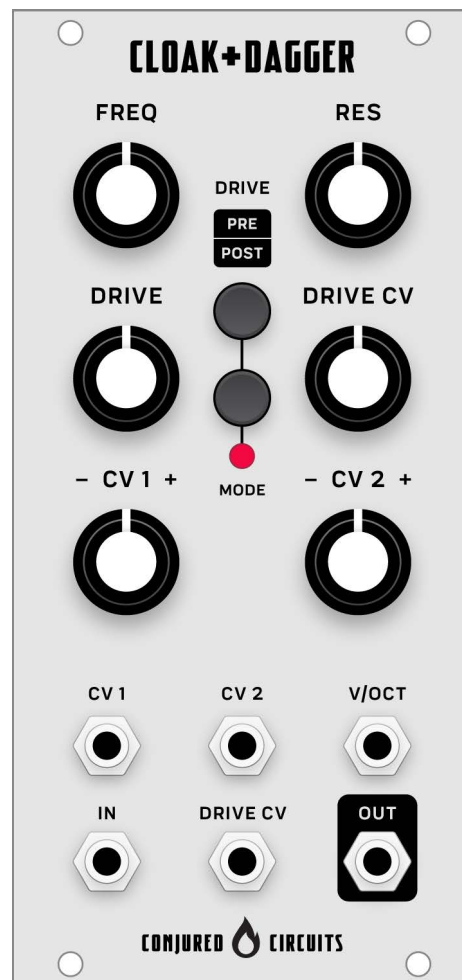


Cloak & Dagger is a fully analog filter and distortion module in 12HP for the Eurorack modular system. Based closely on the classic and coveted ARP 2600 "post-lawsuit" 4-pole lowpass filter (Submodule 4072), some modifications are introduced including an output buffer stage to compensate for the loss of low frequencies at higher resonance ("resonance compensation"), temperature compensated 1v/oct tracking, and two additional attenuverting CV inputs for controlling the cutoff frequency.

Two independent drive circuits are also on board which can be set to drive the input ("pre-filter"), drive the entire output ("post-filter"), both, or fully bypassed. There's an initial drive level control as well as a drive level CV input with attenuator.

Cloak & Dagger requires **43mA of +12VDC** and **47mA of -12VDC** regulated voltage.



LIMITED WARRANTY

Conjured Circuits warrants this product to be free of defects in materials or construction for a period of one year from the date of purchase (proof of purchase/invoice required).

Malfunction resulting from wrong power supply voltages, backwards or reversed Eurorack bus board cable connection, abuse of the product or any other causes determined by Conjured Circuits to be the fault of the user are not covered by this warranty, and normal service rates will apply.

During the warranty period, any defective products will be repaired or replaced, at the option of Conjured Circuits, with the customer paying the transit cost to Conjured Circuits. Please contact technical@conjuredcircuits.com for all warranty claims.

Conjured Circuits implies and accepts no responsibility for harm to person or apparatus caused through operation of this product.

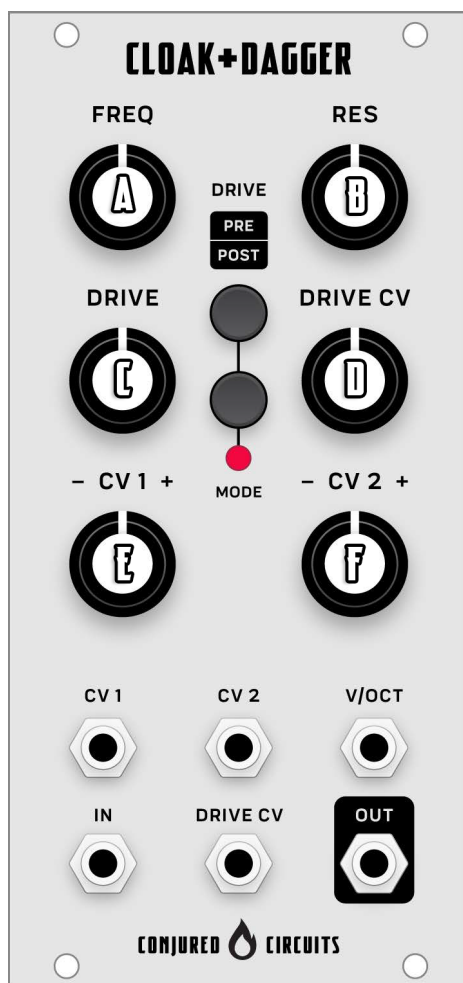
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**Cloak & Dagger was conceptualized by Chris Anticoli of Conjured Circuits, and
designed in collaboration with Jim Matheson of Neutron Sound
(<http://neutron-sound.com/>)**

**A very special thanks to: Dave Hamara, John Karbassi, Jesse F. Keeler, DivKid Ben, Ken
"Flux" Pierce, Stuart Allan and Wes at Grayscale for all of their help and feedback.**



A - Frequency

Cutoff Frequency Control

B - Resonance

Self-oscillation occurs at about 80% of the course of this potentiometer.

C - Drive

Initial drive level. Setting this potentiometer to 0% results in no output while either drive is engaged, however at this level it interacts with Drive CV as a VCA. Unity gain occurs at about 15% of the course of this potentiometer.

D - Drive CV

To be added

E-F - CV 1 & 2

Cutoff frequency attenuverters.

v/Oct Input

Tracks 1v/oct through approximately 5 octaves from 20Hz to 500Hz +/-.



A - Pre-Filter Drive Switch

Engaging switch activates pre-filter drive. Input only is driven, adding additional harmonics before going through the filter, with a clean filter output. Initial drive level is set by Drive potentiometer. Drive amount is voltage controllable via Drive CV in and attenuator.

B - Post-Filter Drive Switch

Engaging switch activates post-filter drive. Filter output is routed through the drive circuit. Initial drive level is set by Drive potentiometer. Drive amount is voltage controllable via Drive CV in and attenuator.

C - Mode LED

LED color corresponds to currently engaged drive(s):

Green LED = Pre-Filter Drive engaged.

Red LED = Post Filter Drive engaged.

Orange LED = Both pre-filter and post-filter drives engaged.

(LED brightness reacts to Drive CV)