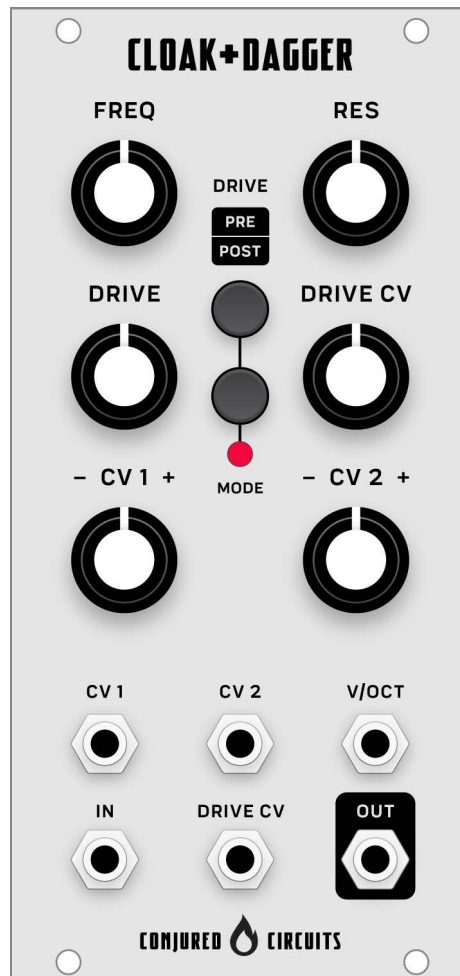


Cloak & Dagger is a fully analog filter and dual distortion module in 12HP. Based closely on the classic and coveted ARP 2600 "post-lawsuit" 4-pole lowpass filter (Submodule 4072), some modifications are introduced including an output buffer stage to compensate for the loss of low frequencies at higher resonance ("resonance compensation"), and a redesigned exponential converter with temperature compensation for perfect 1v/Oct tracking through approximately 6 octaves.

Two independent drive circuits are also on board that 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 control voltage input for the drive level, 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](mailto: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.

<http://www.conjuredcircuits.com/>



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

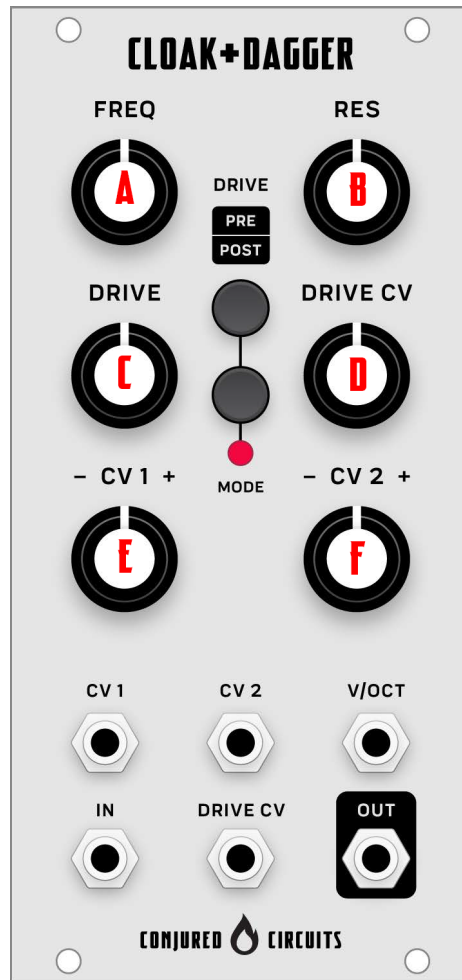
Changes / modifications not approved by the Conjured Circuits could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

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**Cloak & Dagger was conceptualized by Chris Anticoli, 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, and Stuart Allan 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**