

Decay Cascade

LAYERING REVERB
DISTORTER

INSTRUCTION
MANUAL

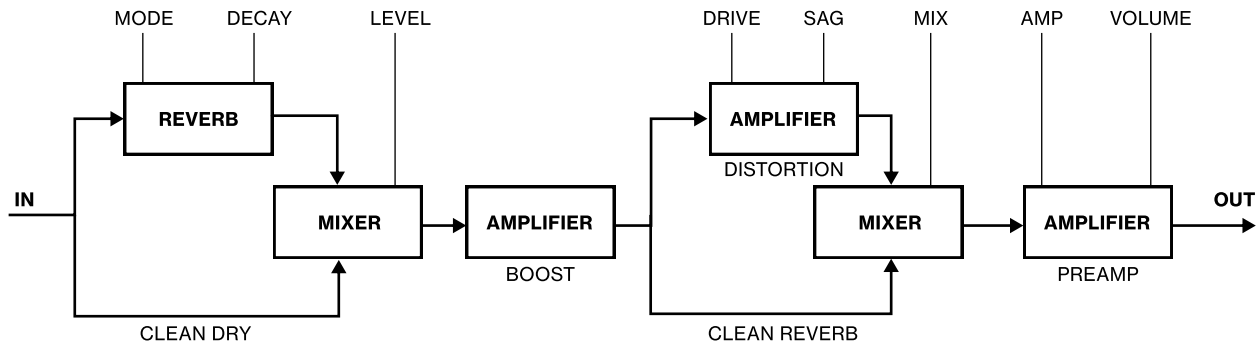




INTRODUCTION

Decay Cascade combines digital reverb with cascading analog amplification layers to create complex and abrasive textures. It excels at sounding broken in a beautifully ugly sort of way, producing subtle deterioration or slabs of noise. Or both.

SIGNAL FLOW



1. Set up a reverb sound with the MODE and DECAY controls and mix it with your dry signal using LEVEL.
2. This reverb/dry mix then splits. One signal goes to a distortion amplification stage which includes a voltage sag gate. Dial it in with DRIVE and SAG.
3. The MIX control blends the original reverb mix and distorted reverb signals back together.
4. This entire mix then goes into a preamp stage inspired by 1960s research amplifiers. It produces a boost of raw gain and crackling gated textures, as well as an optional low pass filter.
5. Thankfully, there is a volume control.

Make sounds like:

- Tastefully gritty lo-fi echo
- Woozy, dying battery overdrives
- Dual textures combining fuzzed and clean reverb layers
- A 78 record found buried in the woods
- "Something's not right"
- Harsh-ambient obliteration

Depending on settings, notes can be punctuated by dead silence or pronounced unpleasantness. The various controls are highly interactive, providing lots of options for fine-tuning.



CONTROLS

- 1. MODE** Reverb model setting (top to bottom)
 - Hall with slow pitch drift. Dark and woody.
 - Spring with very long decay. Bright, full, and textural.
 - Lofi bucket brigade echo. Primitive and bouncy.
- 2. LEVEL** Set a reverb balance between 100% wet and dry signal.
- 3. DECAY** Set the reverb time from a short reflection to long drones.
- 4. DRIVE** A parallel distortion channel that the reverb mix goes through, ranging from light overdrive to high gain.
- 5. SAG** Voltage starve the distortion circuit to produce gated effects.
- 6. MIX** Create a layered mix of the clean/reverb mix and the drive channel.
- 7. AMP** An additional amplification stage that the entire mix passes through with three preamp settings (top to bottom):
 - Neutral amplification
 - High gain boost with a low pass filter. Loud and murky with gated “dust” trails.
 - High gain boost with no filter. Very loud with gated “dust” trails.
- 8. VOLUME** Output level.
- 9. FOOTSWITCH** True bypass.

CONNECTIONS

IN - 1/4" mono instrument input
OUT 1/4" mono output
9V - 2.1mm centre-negative DC

TECHNICAL SPECIFICATIONS

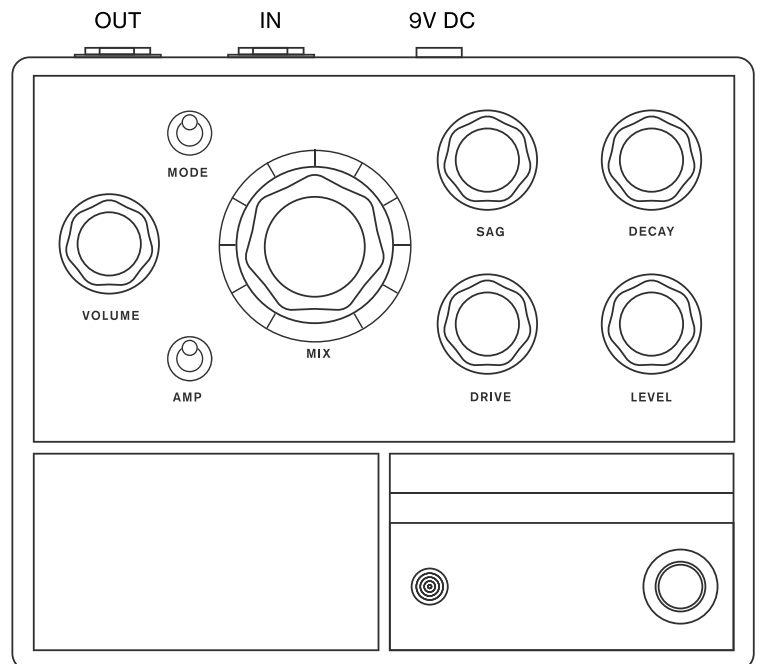
True bypass
145mm x 120mm x 56mm
1/4" TS mono audio input and output
Powered by 9V with a centre-negative 2.1mm jack
60mA current draw
No battery compartment.

POWER

This effect is designed to be powered with a typical centre-negative regulated 9V power supply. It is protected from reverse polarity power. Always check your power supply voltage and polarity. This pedal does not include a battery compartment.

WARRANTY

We will repair or replace any malfunctioning pedal at any time after the purchase date. If your product shows any issues, reach out and we can help. All you need to do is provide proof of purchase and mail your pedal to us. Please contact us first. Modifications or misuse void this warranty. You are responsible for all shipping expenses. Contact us at: info@normaldevices.com.



FOOTSWITCH



SAFETY

INTENDED USE

This device is designed as an effects processor for musical instrument signals. Any operation of this effects unit outside of intended operating conditions may result in injury or equipment damage. No liability will be taken for any harm resulting from misuse. Misuse includes modifications or anything else outside of the described intended use.

WARNINGS

Possible hearing damage

When amplified through speakers or headphones, this device can produce volumes that could cause temporary or permanent hearing damage. Prolonged exposure even to seemingly moderate levels of any sound can damage hearing. Avoid sustained operation at high volumes. If you experience tinnitus or hearing changes, reduce volume immediately and consult a medical professional.

Choking hazard

Keep packaging materials away from infants and young children. Small components including knobs and other hardware present choking risks if detached and ingested.

ENVIRONMENTAL INFORMATION



Packaging uses recyclable materials suitable for standard recycling streams. Separate packaging from household waste and follow local recycling guidelines indicated on materials.



This product falls under the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not discard with household refuse. Return through authorized electronics recyclers or municipal facilities following regional regulations. Contact us regarding product return if needed.



Les matériaux d'emballage sont recyclables. Points de collecte sur www.quefairmesdechets.fr
Privilégiez la réparation ou le don de votre appareil.

DIRECTIVES AND REGULATIONS



Normal Devices confirms compliance with European Union Directive 2011/65/EU on Restriction of Hazardous Substances (RoHS) and applicable California Health and Safety Code sections 25214.10, 25214.10.2, and 58012, plus Public Resources Code Section 42475.2.



This product complies with Electromagnetic Compatibility (EMC) directive 2014/30/EU.



This product meets requirements for UKCA marking.

NORMAL DEVICES

20 Helen Drive
Omeme, Ontario, K0L 2W0, Canada

info@normaldevices.com