

# ROTO SOUND



## RAM 1 The Aftermath Delay Usage Tips

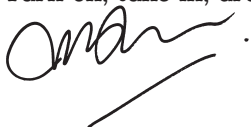
Rotosound are pleased to present 6 new hand built pedals with a 'nod' to some of the best 1960's analog sounds.

We also wanted to recreate a certain Psychedelic look to these pedals incorporating vibrant colours and groovy artwork.

Painstakingly designed and put together here in the beautiful county of Kent England by a passionate team of musical engineers who between them have had many years working and playing in the music industry, we hope you will enjoy the magic carpet ride of sounds that these new pedals will help you attain, whether at home in your studio or out on the road.

These sturdy bullet proof pedals are made the old fashioned way with strength, ease of use and longevity in mind.

Turn on, tune in, drop out!

A stylized, handwritten signature in black ink, appearing to read 'J. How', with a long horizontal line extending from the bottom left of the signature.

**Jason How - Chairman**

## **RAM1 - The Aftermath Delay Usage Tips**

A very retro sounding lo-fi delay, guitarists tend to prefer this effect rather than a super clean digital delay as in use it doesn't take over their performance. This effect can generate all the classic sounds achievable with this type of unit.

It is not intended to replace a full bandwidth digital type delay; however this unit can be more musical in use than a clean clinical full range delay.

The unit is powered by an internal 9V battery (long life battery recommended) or an external 9-12V good quality regulated linear DC wall adapter (centre negative). Please note that many cheaper switch mode adapters/supplies are not suitable for some audio

equipment and may introduce undesirable noise in your signal path when used.

Ensure the unit is unplugged when not in use when running from batteries.

Inserting an audio cable into the instrument input jack will power up the unit. The red LED at the top of the unit shows the effect status:

**Constant Red** - Unit is bypassed, no effect.

### **A note about bypass switches in effect pedals**

Many makers of effect pedals use momentary transistorised circuits to bypass the effects when not needed. This can have the disadvantage of restricting the signal to the headroom and distortion specification of the connected effect even when the unit is 'bypassed'.

All Rotosound effect pedals feature a 'True Bypass' function so the signal path is completely transparent when bypassed and does not alter the source signal in any way.

**Flashing Red** - The effect is operating

In the case of the 'Aftermath Delay' the flash rate will be constant. In other Rotosound pedals that feature modulation (such as the Crusader Chorus) the LED will flash at the rate of modulation (set by the rate control)

When plugging in an external adapter to power the effect, the internal battery will be automatically disconnected to avoid damage.

**Note:** The external DC socket is not designed to charge an internal rechargeable battery if fitted. Rechargeable batteries can be used, but must be recharged externally, then fitted inside the unit.

### **Rate Control**

Delay time control. Fully counter clockwise is the slowest delay (about 1.2 – 1.5 sec)

Fully clockwise is the shortest delay (about 45 ms)

**Note:** On the lower rate or 'slower' setting you may notice some additional noise artefacts in the signal when compared to higher rate settings.

This is normal due to limitations in the method of creating analogue vintage type signal delays.

Most manufacturers of this type of unit would combat this by restricting the maximum delay time to a few hundred milliseconds (maybe half a second).

Although the longer delay settings on this unit can exhibit some noise artefacts, we believe it should be your choice whether you wish to utilise this amount of delay rather than restricting it. Many artists and players think this adds an additional vintage/retro character to the sound rather than using a crystal clear digital delay in some applications.

### **Depth Control**

Controls the depth or level of the delayed signal effect, when set at minimum there is no delay effect. When set at maximum, you will hear a 50/50 mix of the original and delayed signal.

At minimum, the signal will be completely dry.

For the best signal to noise ratio, drive plenty of signal into the effect unit and adjust the depth control for just the amount of delay signal you need.

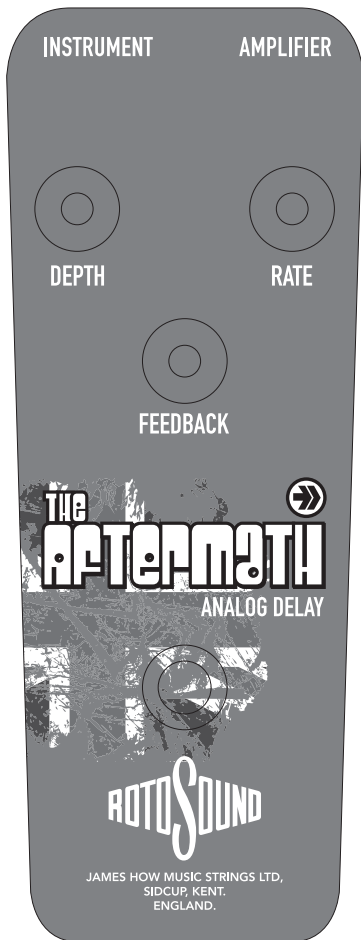
### **Feedback Control**

Controls the amount of echo repeats on longer delay rate settings, on higher 'Rate' settings.

This control can be introduced to simulate a reverb type effect.

**Note:** If this control is set fully clockwise (maximum) it will self-regenerate until feedback is heard. This is quite normal, but care should be taken when adjusting this control to the point just before feedback occurs if a very long repeat time/reverb effect is desired.

# Control Layout



# Technical Specifications

- High headroom
- Smooth wide range control of rate, feedback and depth
- Authentic components and hand wired assembly methods
- Real authentic 60's design techniques using today's technological approach
- Traditional analogue Bucket-Brigade delay
- Audio dynamics controller providing noise reduction
- Super low power LED indicating unit powered on and effect on
- Input socket for power supply connection (9 volt to 18 volt internally regulated)
- Designed by John Oram of VOX & TRIDENT history
- Hand built at the Rotosound factory, Sevenoaks, Kent, England



world famous music strings

[www.rotosound.com](http://www.rotosound.com)