

## General Operation

ToadWorks Redux is an Asynchronous Delay effect. Redux utilizes two identical, slightly offset delay signals, causing complex phase cancellations at irregular intervals. The result is a "watery" effect not unlike a chorus effect (note - Redux is NOT a chorus effect).

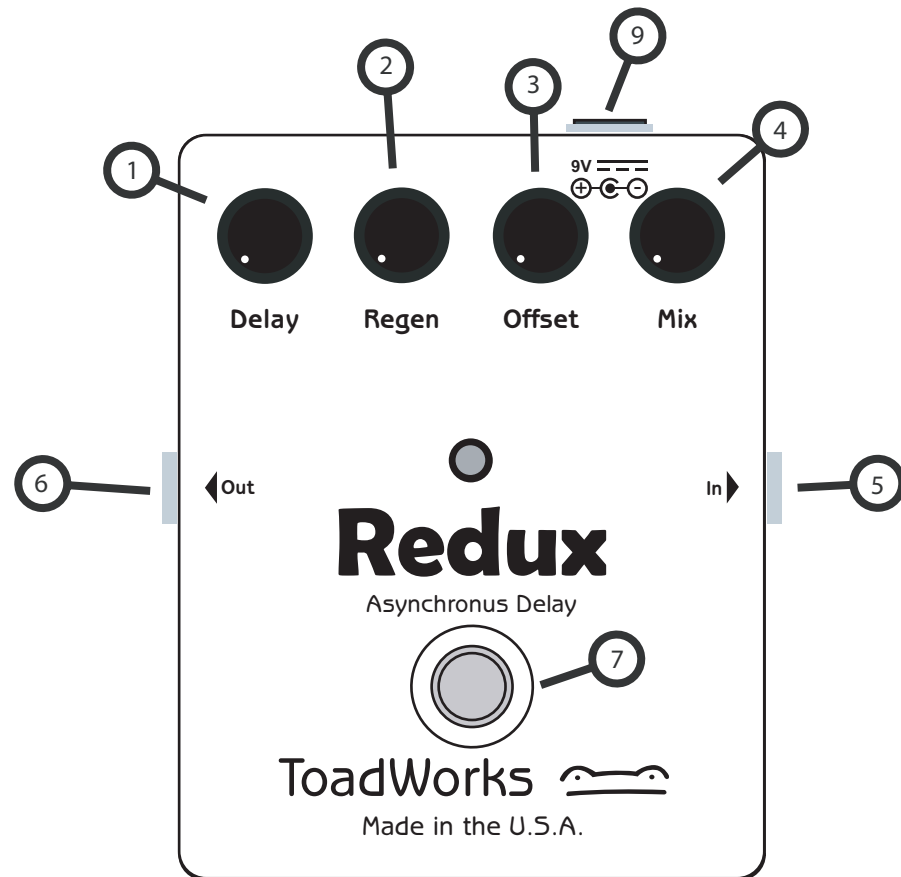
- 1 Delay**  
The Delay knob controls the time delay in ms. Turn the knob clockwise to increase the delay time, counter-clockwise to decrease the delay time.
- 2 Regen / Repeat**  
The Regen / Repeat knob controls the speed with which the delayed signal decays. Turn the knob clockwise to increase the decay time, counter-clockwise to decrease the decay time.
- 3 Offset**  
The Offset knob controls the difference in delay time between the primary & secondary delay signals. Click the control on to add the secondary delay signal, click it off to remove the secondary delay signal. Once the control has been clicked on, turn the knob clockwise to increase the secondary delay time, counter-clockwise to decrease the secondary delay time.
- 4 Mix**  
The Mix knob controls the delayed signal to clean ratio. Turn the knob clockwise to increase the delayed signal level, counter-clockwise to decrease the delayed signal level. **Unity is at 3 o'clock.**
- 5 In**  
The input jack is clearly labeled on the right side of the pedal. It is designed for use with 1/4" phone plugs only.
- 6 Out**  
The output jack is clearly labeled on the left side of the pedal. It is designed for use with 1/4" phone plugs only.
- 7 Switch**  
The switch is located directly on top of the pedal, and is used to turn the effect on and off (Note: Redux is wired for "True Bypass." This means that when the switch is in the "off" position, the original signal is routed around the effect circuit, resulting in no signal loss or coloration).
- 8 9V Battery Clip**  
Redux uses a standard 9V alkaline battery. We recommend Duracell part # MX1604.
- 9 Power Supply Jack**  
Redux is equipped with a 2.1mm barrel jack for use with a tip-negative 9 Volt DC power adapter (Note: Many 9V power adapters are grossly out of spec, and the actual voltage can range anywhere from 7.5 Volts to 16 Volts. Voltages of 11V and above will affect the operation of the pedal and can damage the components. To avoid damage and/or incorrect operation, use only the highest quality power adapters).

### DO NOT UNDER ANY CIRCUMSTANCES USE AN 18V OR AC ADAPTER!

Forget about "increasing headroom" - if the pedal was intended to be used with 18V, we would say so. Any voltage higher than 11 VDC will DESTROY the op-amps, and we won't fix it for free.

Redux is an extremely complex and sensitive circuit, and requires an optimal power supply at all times. In order to make Redux work using only 9V, certain concessions had to be made, and as a result, the holes for soldering battery clips inside this unit are for convenience only – ToadWorks does NOT recommend using Redux with anything other than a standard 9V Boss adapter.

If you MUST use a battery, please note that weak batteries can cause Redux to malfunction - if you hear a loud squeal, immediately change the battery. Also, due to the complex nature of the internal power regulation, if the "Offset" control is switched off when the unit is first powered on, the offset delay signal may not function - to correct this, simply click the Offset control on and re-apply the power (this can be accomplished by unplugging the Input and re-inserting the plug.)



## Warranty

We guarantee that your pedal will be free of defects in workmanship for a period of two (2) years from the date of purchase. However, each pedal is hand made, and as a result certain imperfections are unavoidable; color & finish will ALWAYS be slightly imperfect. Just think of it as "unique." We also guarantee the continued operation of all components for a period of two (2) years from the date of purchase. Within this two year period ToadWorks will repair or replace at our discretion any pedal that ceases to function properly as a result of faulty workmanship or materials.

This warranty can be voided by any of the following:

- Removal or replacement of any component
- Prolonged exposure to elements
- Abuse above and beyond normal wear and tear
- Application of incorrect power supply

No pedal shall be repaired or replaced that shows signs of abuse and/or modification. All requests for warranty service must be accompanied by documented proof of purchase. This warranty is non-transferable. As of January 1, 2006, units purchased from US domestic dealers and shipped to Europe, Asia and Australia are not eligible for warranty services.

### ToadWorks USA

720 South Cannon St. Ste D Spokane, WA 99204 USA  
Ph: (415) 462-5539 Fax: (708) 570-8303  
www.ToadWorksUSA.com

## REAR VIEW

