

# Diamond FIREBURST

Thanks for purchasing a Diamond Fireburst!

We hope you have as much fun playing guitar through this pedal as we did designing and testing it. Our goal is to provide a new twist on higher gain guitar tone, and to make it just plain fun to play.

Remember to protect your hearing and wear appropriate hearing protection when playing loud...

## Design Features

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True bypass signal path.

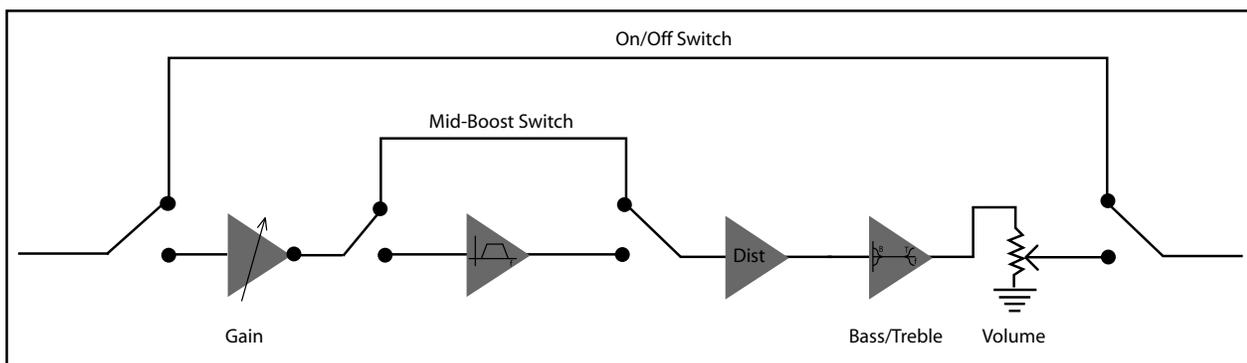
Footswitchable between thick liquid fuzz and focused, mid-boosted distortion.

Premium audio components, including 2% polypropylene capacitors and 1% metal film resistors.

All discrete-component distortion and mid-boost circuit.

Active Baxandall bass/treble tone control system with audiophile grade op-amp.

Battery or standard negative tip 9V DC adapter operation.



## Controls

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### Gain

This controls the overall distortion level. Backing it off all the way gives a mild distorted sound, while opening it up moves it quickly into a thickly saturated fuzz/distortion. As you move the gain past 12 o'clock you'll notice that the low end also begins to build in strength. The mid-boost footswitch can be further used to switch between this deep fuzz and a much more focused distortion sound.

### Bass

The bass control allows cut and boost of very low frequencies ( $< 150$  Hz), with no cut/boost at the 12 o'clock position. There is little if any effect on midrange frequencies. In standard fuzz mode, the pedal already has a tremendous amount of low end response – turning the bass up can really send it over the top!

### Treble

The treble control allows cut and boost of high frequencies ( $> 3$  kHz), with no cut/boost at the 12 o'clock position. There is little if any effect on midrange frequencies. By turning both bass and treble up, you can effectively achieve a sucked-mid response.

### Volume

This adjusts the overall output volume of the box. Once the relative levels of gain and filtering are set, this control can be used to adjust overall clean vs. effect levels.

## Switches

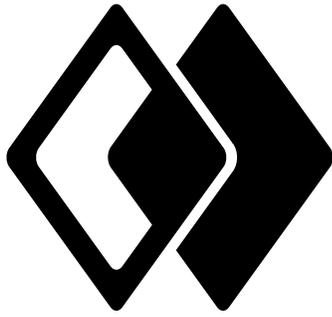
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### On/Off

This switches the pedal between bypass and in-circuit operation. A red LED indicates that the pedal is on. The fuzz/distortion mode that the pedal switches to when turned on is dependent on the current position of the mid-boost switch.

### Mid-Boost

This switches the midboost gain/filtering circuit in and out of the signal path. Operation is indicated with the yellow LED on. The mid-boost circuit provides both bandpass filtering and a small amount of gain to offset the loss of loudness due to the additional filtering. The main goal of the mid-boost is to tailor the raw distortion sound from a deep fuzz to a much more focused higher gain distortion sound. It is important to note that even with the overall on/off foot switch turned off (but an instrument plugged in), the mid-boost switch can still be preset to the desired mode of operation, with the yellow LED still indicating status of the mid-boost circuit. This allows a guitarist to visually set the pedal to fuzz or mid-boost distortion modes prior to bringing it into the signal path.



# Diamond

## FIREBURST

### Powering

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#### Changing the battery

Changing the standard 9V battery first requires the removal of the four back corner screws of the pedal. The battery clip is attached to the inside of the back plate - gently pull the back plate off so as not to strain the connecting wires between the battery clip and main circuit board. After replacing the battery, carefully place any slack in the connecting wires into the box cavity, and replace the back plate with the four screws, taking care not to pinch the connecting wires.

#### Using a 9V adapter

Any standard 9V DC negative pin AC adapter for effect pedals can be used to power the Diamond Drive. The insertion of the AC adapter plug automatically removes the internal battery from the circuit.

### Warranty

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Diamond Pedals carry a full five year warranty on registered products - make sure to send us your warranty card! The warranty is simple - if you have a problem, call us, send us the pedal if necessary, and we'll make it right.

## Suggested Settings

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The pedal has been designed to give great tone with all four controls at the 12 noon position. Here are some other settings that we've had fun with....

### Gettin Dizzy

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For that high gain garage band sound. Try the mid-boost on or off.



### E-Violin

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Seemingly endless sustain, much like you get with that handy little magnetic string vibrating device you can buy.



### Eviscerator

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Ouch.



### PorkNose

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Just in case you ever need the sound of a tiny portable amp with gobs of gain, dial this setting in...



### BassCajones

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For fun we tried putting a passive bass guitar through it, and it sounds pretty darn good. Doesn't affect the low end much at all (at least for a 4-string), yet gives a nice fuzz grind. Also cool when you turn on the mid-boost for upper register soloing. Output levels from an active bass are just a tad high for a usable effect, unless you really like the sound of square waves.

