



Diamond DRIVE

OPERATING INSTRUCTIONS



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Drenched in classic Diamond DNA, the new generation Diamond Drive is built on a foundation of signature drive and eq soundblocks. Distilling the most desirable and functional elements of the original J-Drives, Blaze and Fireburst pedals, the Diamond Drive combines a warm and wide ranging overdrive built around a Premium Sound Burr-Brown Op-amp with a dual band, post-gain active EQ.

Designed to nail the most demanding sessions, the Warm toggle will tame an overly bright amp or take off a little bit of the edge while the wide ranging Bass, Treble, and Drive controls will deliver anything from a touch of hair to amp sizzling overdrive, sculpted to perfection.

Housed in a compact enclosure with top jacks, 9-18 VDC operation and soft-touch, relay based, true bypass switching system, the Diamond Drive might finally be the last overdrive you'll need.

Diamond Drive Specifications

Input Impedance: > 1 M Ω

Output Impedance: < 10 K Ω

Switching: Relay True Bypass

Power Requirement: 9-18 VDC, negative tip, 2.1 mm barrel jack.

Current Draw @ 9 VDC: 17 mA

Baxandall EQ Bass Frequency: 150 Hz +/- 6 dB

Baxandall EQ Treble Frequency: 3 KHz +/- 6 dB

Warm Shelf Filter Frequency: 1 KHz +/- 4.5 dB

Dimensions: 122 x 66.98 x 39.64 mm (4.8 x 2.64 x 1.58")

Weight: 280 g

Made In Canada

THE USE OF AN IMPROPER POWER SUPPLY WILL VOID THE WARRANTY.

DRIVE CONTROLS

OUTPUT JACK

Send audio to your amplifier or next pedal from here.

POWER INPUT

Connect your 2.1mm, negative tip, 9-18V, DC, power source here.
Current Draw: 17mA

INPUT JACK

Send audio from your instrument to here.

LEVEL KNOB

Sets the output level.
Note: Adjust the drive and EQ knobs prior to using this knob to dial in your sound and then adjust the overall output level.

DRIVE KNOB

Sets the overdrive level. Backing it off gives a mild and controlled overdrive sound, while opening it up gives more of a straight ahead distortion.
Note: humbuckers will more easily push the drive into distortion.

BASS KNOB

Cuts or boosts low frequencies (< 150 Hz), with no cut/boost at the 12 o'clock position. There is little if any effect on midrange frequencies. Turning the bass up can add massive low end!

TREBLE KNOB

Cuts or boosts high frequencies (> 3 kHz), with no cut/boost at the 12 o'clock position. There is little if any effect on midrange frequencies. Turning up the treble can add sparkly high end!

WARM TOGGLE SWITCH

Brings the high shelf-filter (1 KHz) in and out of operation, with down (towards 'WARM') being the 'on' position.
Use this to soften your tone or to round off just a bit of the edge.

WARM

 **Diamond**
DRIVE

EFFECT LED

A glowing red colour indicates that the pedal is on.

BYPASS FOOTSWITCH

Sets the pedal into bypass or in-circuit operation using a silent, soft touch, relay based, true bypass switching system.

BAXANDALL ACTIVE EQ

The Diamond Drive implements a powerful post gain, 2-band Baxandall active EQ. In simple terms, this EQ acts as a bass and treble shelving filter but the real magic of the Baxandall lies in it's controls and response.

The controls are non-overlapping meaning that dialing in one side will not affect the other, have a flat frequency response in the noon position, and can achieve a scooped-mid response when bass and treble are turned up or a boosted mid response when bass and treble controls are turned down.

This type of EQ circuit has a gentle and natural sounding slope with a large bandwidth, minimal distortion due to its negative feedback, and the active nature mitigates the volume drop seen in its passive amp-style counterpart.