



BASS COMP/EQ

INSTRUCTION MANUAL

OPTICAL BASS COMPRESSION, AT ITS FINEST

Sought out by musicians for almost two decades, the **Diamond COMPRESSOR** is the magical yellow box that started it all.

This next generation **Diamond BASS COMP/EQ** maintains the classic circuit architecture while increasing range and functionality.

In addition to providing smooth, optical compression, the **Diamond BASS COMP/EQ** is armed with our classic **Tilt-EQ** tone control with three selectable fulcrum frequencies and an active **10 dB Mid Boost/Cut** circuit.

Relay based, soft-touch, true bypass switching, Bi-Colour LED indication and 9-18V_{DC} operation complete the package.



FEATURE SET

SIGNATURE COMPRESSION

Rather than mess with perfection, the **Diamond BASS COMP/EQ** augments the original bass-tuned yellow box design with a new **Mids boost/cut** control, 3-position **Tilt Frequency** switch, custom spec'd, US made opto-isolators and modern, quiet switching.

PEDALBOARD MASTERING

Combining silky smooth, natural optical compression with our signature hi-fi inspired, centre-detent active Tilt EQ and Mid boost/cut control, the **BASS COMP/EQ** is a mastering solution for your effects chain....one you might never turn off.

THE NEW STANDARD

For the modern pedal-user's needs. Space saving design, without any loss of quality. Complete with all analog, Burr-Brown audio path, top-mounted jacks, 9-18V_{DC} operation and relay based true bypass switching.

Place the BASS COMP/EQ either as the first pedal in your effects chain or very close to first for a traditional compression effect. Place it at the end of your chain and it will act as a limiter.

The BASS COMP/EQ can also be used as a boost or tone-shaping tool, placed before or after drives and fuzzes with the COMP knob turned down low.

Switch it on to even out your tone, add sustain, increase gain or carefully sculpt and EQ your signal. The Diamond BASS COMP/EQ is the perfect mastering solution for your pedalboard.

CONTROLS

OUTPUT JACK

Send audio to your amplifier or next pedal here.

POWER INPUT

Connect your 2.1mm, negative tip, 9-18V, DC, power source here.
Current Draw: 22mA

INPUT JACK

Send audio from your instrument here.

LEVEL KNOB

Sets output level.

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

COMPRESSION KNOB

Sets the amount of compression applied to the audio. Backing off gives just a touch of compression on signal peaks, while turning it up increases the amount of signal squash.

Note: The level at which compression begins to take effect, compression threshold is sensitive to input signal variations such as pickup and pick attack. Experiment with this control to dial it in to suit your particular style.

MIDS KNOB

Cuts or boosts the midrange frequency with no cut/boost at the center detent position.

LEVEL

COMP

MIDS

TILT

TILT FREQ
250/900/500



Diamond
BASS COMP/EQ

TILT FREQUENCY SWITCH

Selects the TILT EQ's fulcrum frequency.

TILT EQ KNOB

Sets the overall spectral tilt pivoted around a fulcrum frequency selected by the toggle switch. This filter essentially acts as a seesaw that can be tipped to raise the low end and cut high end or raise high end and cut low end centered at this fulcrum frequency.

BI-COLOUR LED INDICATOR

A glowing red colour indicates the pedal is on. The yellow colour indicates increasing levels of compression on the instrument signal.

BYPASS SWITCH

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

Center detent - flat
CCW - darker | CW - brighter

OPTICAL COMPRESSION

At the heart of an optical compressor is a Vactrol Opto-Isolator, which is constructed by encasing a light source and variable resistance photocell together at a fixed distance. To create compression, the brightness is varied proportionally to the input signal, and the photocell's resistance responds according to its finite attack and decay characteristics. This inherent lag of the photocell is what creates the compressor's smooth feel while allowing just the right amount of transients through for the compressed signal to still breathe.

WARRANTY

All Diamond product(s) purchased through the diamondpedals.com website or an authorized Diamond retailer comes with a three (3) year warranty against failure resulting from defective parts, and/or faulty workmanship. Cosmetic flaws or issues related to wear and tear are not covered.

The warranty applies only to the original purchaser of the product and is not transferable. Warranty coverage terminates three years after the date of purchase. While a product is under warranty, the product will be repaired free of charge. The owner of the product will be responsible for both shipping to and from Diamond Pedals HQ located in Montreal, Quebec, Canada. Warranty coverage will be automatically canceled should the product be tampered with, modified, damaged through misuse and/or abuse, repaired by an unauthorized third-party, or damaged through failure to follow our operating instructions.

USE OF AN IMPROPER POWER SUPPLY AUTOMATICALLY VOIDS THE WARRANTY.

SPECIFICATIONS

<u>Input Impedance:</u>	> 1 MΩ
<u>Output Impedance:</u>	< 10 KΩ
<u>Switching:</u>	Relay True Bypass
<u>Power Requirement:</u>	9-18V_{DC} negative tip, 2.1mm Barrel Jack
<u>Current Draw @ 9V:</u>	22mA
<u>Tilt EQ Fulcrum Frequency:</u>	250 500 900 Hz +/- 6 dB
<u>Mid EQ Center Frequency:</u>	500 Hz +/- 10 dB
<u>Dimensions:</u>	4.8 x 2.64 x 1.58"
<u>Weight:</u>	280 g



CONNECT WITH US

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