

OPTOCOUPLER

Analog Optical Compressor

The Opto Comp Analog Optical Compressor pedal utilizes an optical circuit to deliver smooth, vintage style compression to add headroom and sustain to your guitar or bass.

Dial in a fast, subtle style to control peaks or crank up the compression to add a unique character.

Featuring a roadworthy all-metal chassis and true bypass switching, the Opto Comp Analog Optical Compressor brings your tone to new heights.

COMPRESSION: A compressor squeezes the dynamic range of a signal, reducing the volume of loud notes, which allows the overall volume to be boosted. It can really balance out very dynamic playing styles. Using a slight amount of compression can beef up your tone a bit. You can also get a “punchier” sound using compression. Rotate the compression knob – also known as “ratio control” – to adjust the overall amount of compression applied to a signal. The ratio ranges from a minimum of 1:1 (fully counter-clockwise) to a maximum of 10:1 (fully clockwise), landing at 3:1 at the center position.

OUTPUT: Typically, this 1/4" output jack connects to the input of an external power amplifier – or powered loudspeakers, as long as they have their own input controls to adjust the volume level – by means of an unbalanced shielded instrument cable. However, it may be connected to an external mixer, recorder, or interface. In this way, you do not have to mic the speaker cabinet in order to add it to the main mix, or to record. The level of the signal is affected by the volume control.

TECH SPECS

Signal-to-Noise Ratio 80 dB
(100 Hz @ 1.00 Vrms)

Maximum Gain +14 dB

Controls

Compression Ratio, dB (I/O) Minimum: 1:1

Maximum: 10:1

Release Time Minimum: 75 milliseconds

Maximum: 600 milliseconds

Output Level Gain Mute to +14 dB

Impedances Input 1 M @ NORMAL,
166 k w/–15 dB PAD

Output 200

Power Supply: 9 VDC, ≥25 mA

Size (H x W x D) 2.2 in x 2.6 in x 4.5 in

56 mm x 66 mm x 114 mm

Weight 0.6 lb / 0.3 kg (approximately)

Features:

- Delivers smooth, vintage style compression.
- Dial in the perfect sound with Compression and Release controls.
- Output control allows you to maximize sustain and make up for heavy compression.
- True bypass, analog design with incredible signal-to-noise ratio.
- Roadworthy all-metal chassis construction.

GAIN REDUCTION LED: This green LED increases in brightness as gain reduction increases.

RELEASE: The release knob may also be thought of as a “time control” knob, as it determines how long it takes for the compressor to end gain reduction. The release time ranges from a minimum of 75 milliseconds (fully counter-clockwise) to a maximum of 600 milliseconds (fully clockwise).

ON/OFF LED: This LED illuminates purple when the pedal is engaged.

OUTPUT LEVEL: Rotate this knob to control the overall output level from mute (fully counter-clockwise) to +14 dB (fully clockwise). Use it wisely, and turn it down when making connections or trying something new.
NOTE: The output level control is active only when the pedal is engaged.

INPUT: The signal output from an instrument (active or passive) may be connected to this 1/4" input by means of an unbalanced shielded instrument cable.

OPTO COMP ON/OFF SWITCH: Engage this switch to activate the Opto Comp pedal. This pedal is true bypass meaning the signal will pass through from input to output with no circuitry in between when the switch is disengaged.

POWER SUPPLY:
DC9V100MA, Center negative

–15 dB PAD JUMPER
Moving the –15 dB pad jumper reduces the input signal by 15 dB and compensates for higher output instruments. This attenuation is suited for use with basses that have active electronics or high-output pickups. There are only two possibilities. The jumper can be on:
Pins 1-2 [Normal – default] or
Pins 2-3 [15 dB pad]



DESIGNED IN USA

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