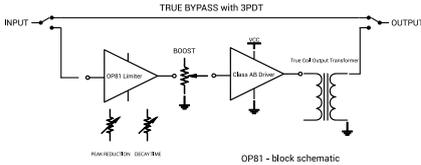




OP81 LEVELING AMPLIFIER OPTO LIMITER

TRUE COIL
AUDIO TRANSFORMERS



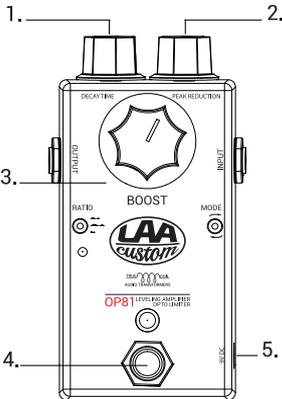
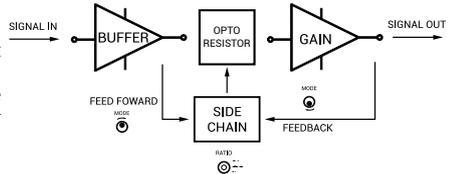
The LAA Custom OP81 LEVELING AMPLIFIER OPTO LIMITER is a dynamic limiter built around a custom made optoisolator. As a limiter it reacts only to the peak signal and let the player able to manage the full dynamic response up till the set threshold. You can still play, and clean your crunch with your guitar volume pot. When you reach the intervention threshold the OP81 gently limits your peaks with three selectable RATIO levels. Decay time set how long the OP81 reduction circuit will work after the first activation and you are able to manage single notes (short decay) or strumming

The small led below the RATIO switch will show you when the Reduction circuit is working and how long it works.

OP81 sidechain can be driven in two MODES:

FEED FOWARD: the input signal is used to drive the sidechain that limits your peaks - more "in your face", more dynamics, and funk.

FEEDBACK: the already processed signal is used to drive the sidechain what makes a more "stable" limiting effect - perfect for solo or hard rock rhythmic.



OP81 uses our unique True Coil technology as output make-up gain. Our hand wound output transformer driven by the Class AB driver give an amazing texture to your signal giving strength and incisiveness to your overall tone. Try the OP81 with the PEAK REDUCTION full CCW and feel how the True Coil circuit works, then find your threshold level and RATIO to gently limits your signal. Probably the OC81 will be always ON then!

1. PEAK REDUCTION knob sets the intervention threshold
2. DECAY defines how fast the OP81 acts when the signal is under the threshold
3. BOOST defines the output level
4. FOOTSWITCH effect on/off
5. POWER 9VDC

SPECIFICATIONS

Input impedance 820 kOhm
 Output impedance 150 Ohm
 Make-up Gain ~ +27 dB at 1kHz
 Decay time 100/650ms
 Reduction Gain @ 1kHz:
 RATIO LOW: - 4.9dB
 RATIO MID: - 6dB
 RATIO HIGH: -8.2dB
 Current Draw 25mA @ 9VDC

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