

Metaltronix™ DG-1

V2.0

by

Lee Jackson

Thank you for purchasing one of my new pedals. This is the only distortion pedal that sounds like a tube! It has more definition and clarity of individual notes. I have incorporated several of my amplifier designs into this pedal. It will not change the tone of your instrument, whereas most distortion pedals first lop off the bottom end, and then add a fake bass boost on the output. It allows the full frequency of your instrument to pass through it; this is why it sounds more like amp distortion. It is the Warmest, Smoothest Distortion you have ever heard. Between the Distortion, Tone, Master and Sag controls you can get any amp to come Alive! It really acts as one of my guitar amps; the distortion is fully controllable by your guitar. Then the Magic really happens: We added our Active Gain Booster, designed with the idea of being as Transparent as possible, to not change the original sound as it comes out of the instrument.

Operation:

When bypassed (Light off) none of the controls work, and the pedal is in true bypass.
Activating pedal (Light on)

Distortion: The Distortion controls the amount of internal gain, which causes the circuit to distort, between how high you have this control and the level of your guitar. You can dial in the amount of distortion you want, and when you want it to come on.

Master: The Master Volume is activated when the pedal is on; it controls the overall volume of the pedal.

Tone Control: The Tone Control is at the end of the signal chain, this allows you to tailor the sound of your distortion before it gets to your amp. Because this pedal allows the entire signal to get through, you can use the tone control to add or subtract frequencies to taste.

Sag: (Pull On) This controls the Bias of the Tube emulation Circuit, go from the sound of tearing paper to the smoothest Tube distortion, and everything in between.

Active Gain: When bypassed (Light off) none of the controls work, and the pedal is in true bypass. Activating pedal (Light on) the pedal can be used as a very clean boost,

Gain: The gain control goes from unity, which is the same level that is coming out of your instrument, to all the way up which is over a 50 X the signal.

The pedal can operate on (1) 9v battery, or use an external power supply, and can operate from 9-12 volts dc, 2.1mm the center terminal is negative (ground).



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