

Active Gain Booster™ Module

by
Lee Jackson

Thank you for purchasing one of my favorite new products, these are the same designs as I use in my custom pedals.

These Modules are used by some of the top guitar players in the world, giving them the extra gain and edge to get their signature sounds.

The **Active Gain Booster™** was designed with the idea of being as transparent as possible, to not change the original sound as it comes out of the instrument.

I worked for years on such a design, and have developed a circuit that doesn't degrade the original sound; it enhances it with more clarity and definition.

This allows you to truly make your instrument go to 11 and higher, pushing the amp to really make it sing. Or make your Instrument stand out over the rest.

Operation:

Can be wired two ways:

1. You can wire it true bypass (needs a DPDT switch), you can also use a control pot with a DPDT switch on the back of the pot.

2 You can wire it in Buffer mode, this allows the guitar to have an active buffered output. This is great for driving extremely long guitar cords, or cleaning your pedal board effects by giving them a clean buffered signal. The on/off of the gain boost can be done with a simple SPST switch, or a control pot with a SPST or DPDT switch on the back of the pot.

Gain Pot: (250k - 100k linear or audio control pot - not included)

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 100 X the signal.

Power:

The modules can be powered by a single 9 v battery.

You can power multiple modules on one battery.

Make Sure you unplug the Instrument after use to preserve battery life.

These also can be use in self contained pedals,
A couple jacks and a foot switch and your reedy to go.



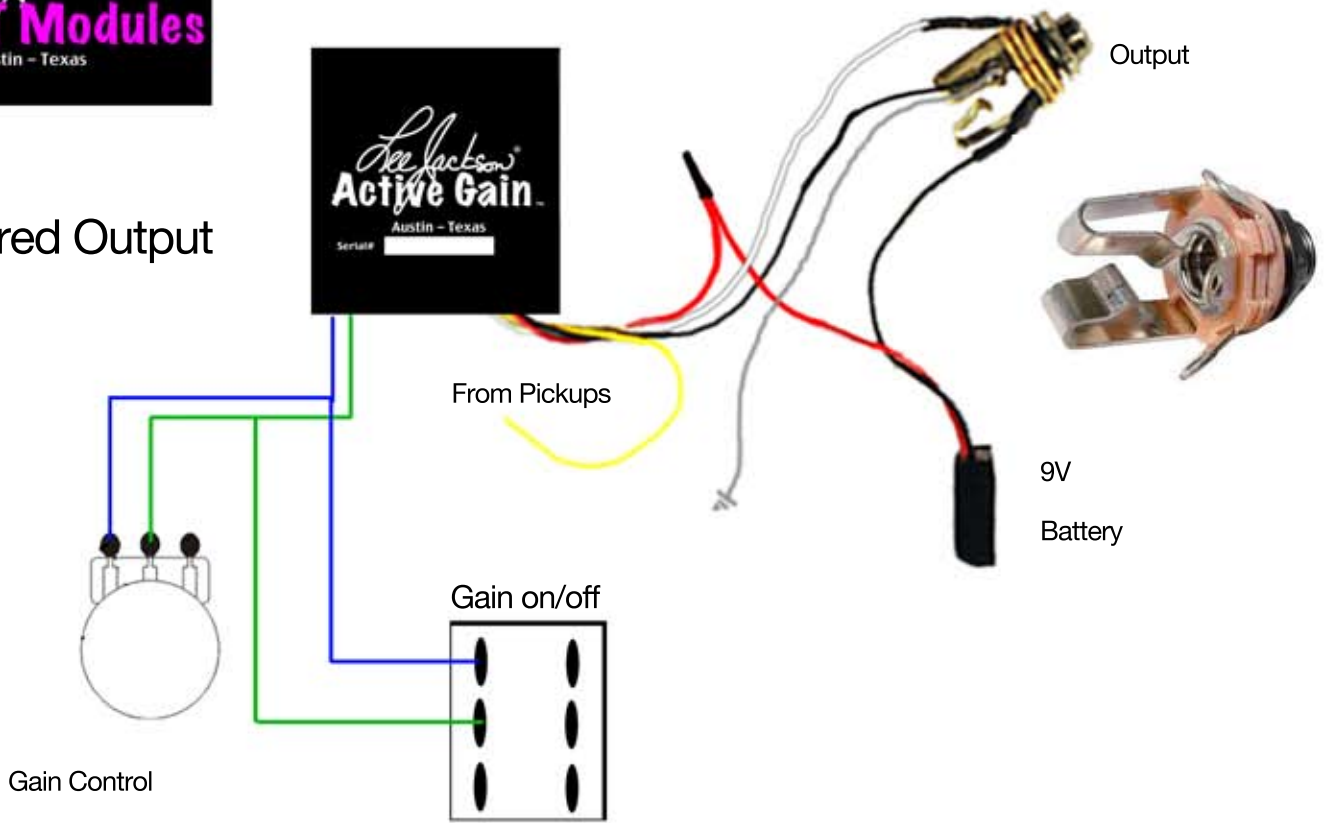
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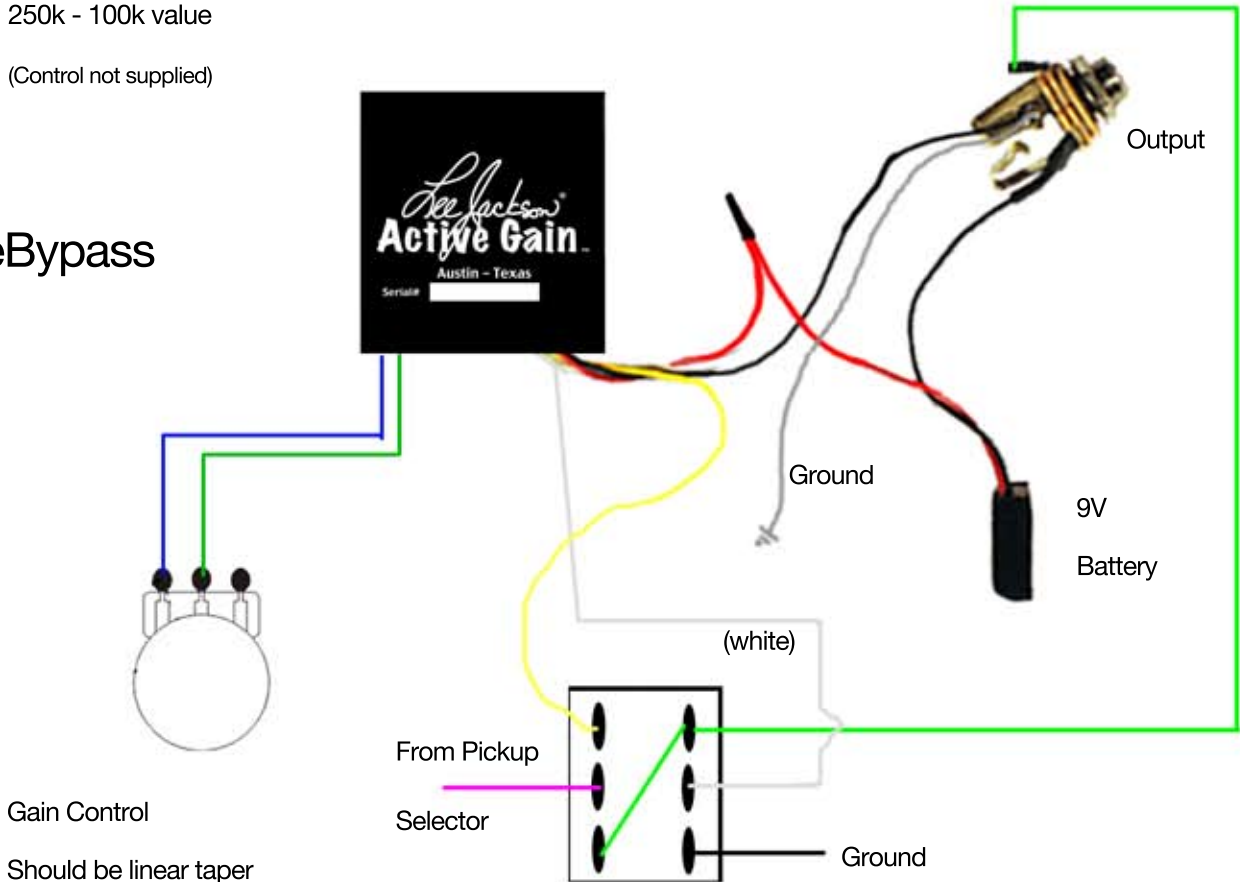
Active Gain™

Buffered Output



DPDT Switch

TrueBypass



DPDT Switch

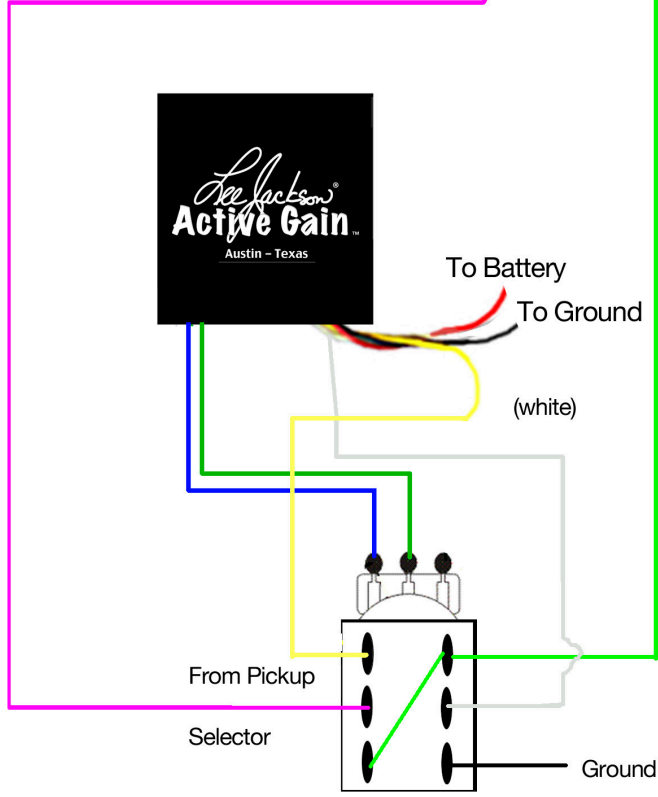
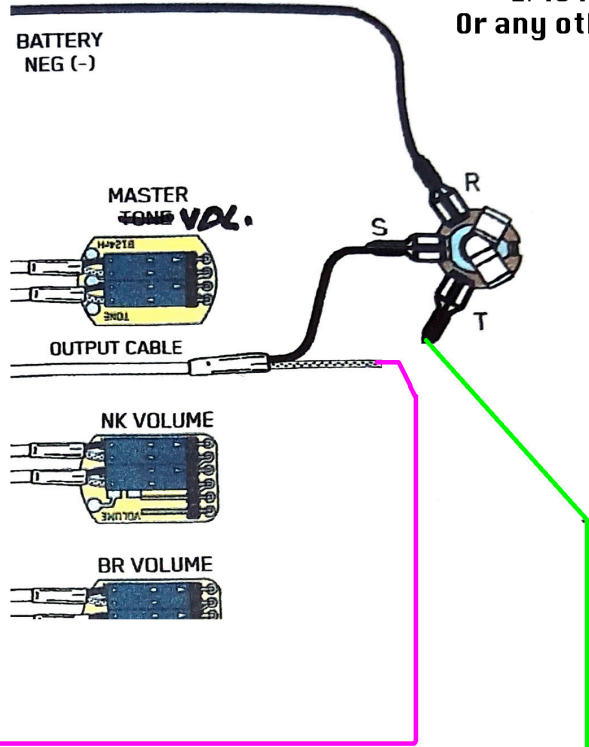
Gain Control

Should be linear taper

250k - 100k value

(Control not supplied)

EMG Active Pickups, Or any other Active Pickups



DPDT Switch