

The VOLUME KNOB can provide up to 3.0 Volts per Volt, that's 10 dB of gain. It is also used to provide attenuation. When playing a distorted signal with the GAIN KNOB turned up, it is recommended to use the VOLUME KNOB to attenuate the signal to prevent too much overdrive to your amplifier. When the GAIN KNOB is turned down playing a clean signal, it is recommended to turn the VOLUME KNOB up, if greater clean boost is desired.

The overall gain potential is 1,500 Volts per Volt, that's 64 dB of gain.

Because of the high gain potential of "THE LAST BOX" when using distortion, it is recommended to use humbucking pick-ups to avoid noise. However, it is up to you to experiment and single pole-non-humbucking pick-ups will also work well.

"THE LAST BOX" is nice even at high gain and high distortion levels, when there is no sound, the noise levels are low. Many other high gain effect pedals do not have the capability to suppress noise like what "THE LAST BOX" can provide.

For guitars with stronger pick-ups, it is recommended to use the volume knob of the guitar to lower the volume to avoid distortion when a clean boost is desired.

Who We Are

About Us

We are a small electrical engineering business. I am also an amateur guitarist who was tired of weak boost effects. So, I developed my own.

Contact Us

Email: technology@rudley.com

Web: <http://www.rudley.com>

Warranty

"THE LAST BOX" has a 1-year warranty from the date of original purchase. This 1-year warranty covers repair or replacement of the unit. Should your "THE LAST BOX" fail, please Email me at technology@rudley.com to let me know. Ship the failed unit to Frank Rudley, 500 4TH Ave. Lester, PA 19029 for repair or replacement.



**RUDLEY
TECHNOLOGY
SOLUTIONS
LLC**

*THE LAST BOX USERS
MANUAL*

Rudley

**RUDLEY TECHNOLOGY
SOLUTIONS LLC**
500 4TH AVE
Lester, PA 19029

THE LAST BOX OVERKILL BOX

Congratulations for purchasing "THE LAST BOX OVERKILL BOX".

This guitar effects stomp box provides a clean or distorted boost. This is an all analog effect stomp box which provides true bypass when not active.

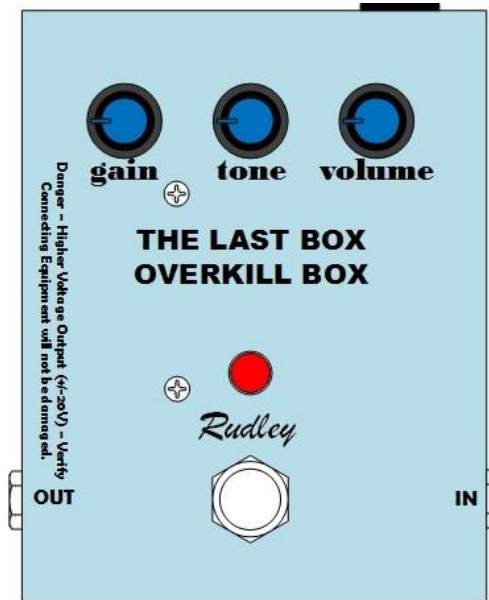
"THE LAST BOX" provides a clean or distorted boost. "THE LAST BOX" is handmade by me "Frank Rudley", and each unit is somewhat unique.

The concept of "THE LAST BOX" is a real game changer. Since unlike most boost effect pedals which can output an audio signal voltage range up to about 5 Volts, "THE LAST BOX" can provide up to about a 20 Volt range. This will provide you a lot more power and volume and will overdrive your amplifier. "THE LAST BOX" also has special filtering shaping characteristics to provide your guitar a great tone.

If you are an aggressive rock guitarist and you want to out-do your peers and sound better and louder than them, and stick-out, then this box is for you. If you are an acoustic, jazz, or classical player, "THE LAST BOX" will provide you a clean powerful sound that will amplify a guitar's finer sound quality characteristics.

It is called "THE LAST BOX" because it is recommended to make this the last box in your chain of pedal effects. However, it is up to you to experiment.

"THE LAST BOX" will make your cheaper equipment sound like more expensive equipment. "THE LAST BOX" will make your good equipment sound great.



Because of the higher output voltage range, I put a warning on "THE LAST BOX" to check that your amplifier or other connecting equipment won't be damaged by such a high input voltage. So far, all of the devices that I have tried, hadn't been damaged. But I put a "Use-At-Own-Risk" Warning Label on "THE LAST BOX" to remind the user to be careful not to turn-up the volume so loud and to avoid damage to your equipment.

"THE LAST BOX" can run off a 9 Volt internal battery or standard 9 Volt external pedal board power. For external power, the ground is the center contact and the plus 9 Volts is the outer contact of the plug. Do not exceed 10 Vdc for the external DC power.

When connecting the input plug, that action will turn on the power for "THE LAST BOX". So, it is recommended when not using "THE LAST BOX" to disconnect input plug when using battery power to avoid draining the 9 Volt battery. The 9 Volt battery life is expected to be at least 50 hours when an alkaline battery is used.

When the effect is active, the LED on "THE LAST BOX" will illuminate.

The GAIN KNOB can provide up to 500 Volts per Volt, that's 54 dB of gain. When the GAIN KNOB is turned up, it will saturate the Op-Amp and clip the signal; thereby, providing a distorted signal. When the GAIN KNOB is turned down, it provides a clean boost that is not saturated.

The TONE KNOB provides a High "Q" highpass filter. When turned down, it allows the bass content to pass through. When turned up, it provides great narrow band treble content. It is recommended to use this knob to tune the effect to the desired tone. Over-tones can be selected using this knob.