



TRUE GRIT

a Zinky product

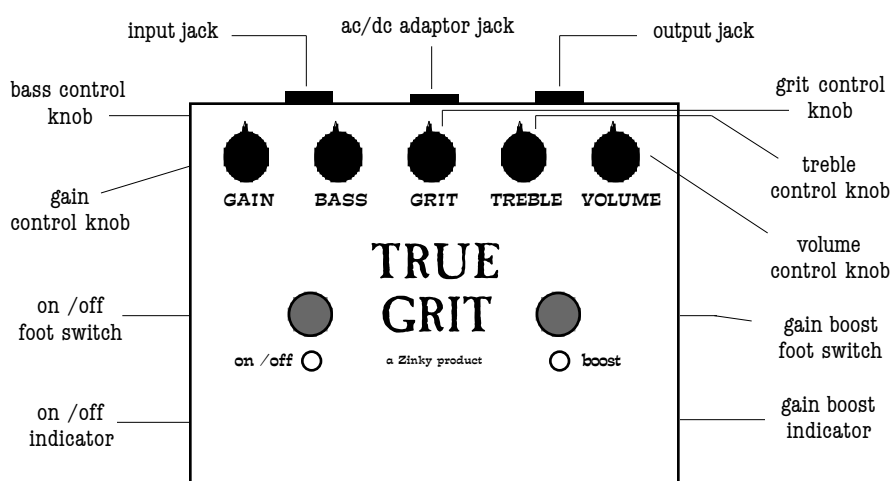


OWNERS MANUAL & INSTRUCTIONS



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DIAGRAM OF CONTROLS & FEATURES



Boost Level Adjustment:

1. Unscrew the four screws from the bottom and remove the bottom cover (save these screws!). You will notice attached to the bottom of the smaller circuit board on the True Grit, the internal trim pot for the Boost Level Adjustment. It is a small black wheel about the size of your thumb nail. Do not turn this just yet.
2. Set up the True Grit as you normally would if you were playing your guitar with all necessary cables and your guitar amp turned on. Turn on the True Grit with the Boost Switch ON (both LED's) and while playing your guitar adjust the settings as you normally would for the maximum amount of boost/overdrive you would use (this setting will not change).
3. Turn Boost switch off. Now, while playing your guitar, turn the True Grit over and carefully spin the Boost Level Adjustment trim pot and play your guitar. Each time you do, toggle back and forth between the non-boost and boost mode to see if you have achieved the desired amount of gain difference between the two modes. If you spin the trim pot all the way to the right, this will give you the largest difference in gain between the non-boost overdrive mode of the True Grit and the Boost mode. If you spin the trim pot all the way to the left, this will make the non-boost mode and the boost mode identical in gain. Your favorite setting will probably lie somewhere in between.
4. Once you have the True Grit set as you would like, carefully replace the bottom cover and the four mounting screws.

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The GAIN knob controls the amount of gain/overdrive/distortion. With most guitars, this knob can also be set to maximum and controlled with the guitar volume control for an instant adjustment of the gain and tone.

The BASS knob control the level of bass when the unit is engaged. The True Grit has enough range in the tone controls that you can even get more bass with the unit on than you can with it off. When using True Grit with an amp that is already distorted, you may want to turn this knob down.

The GRIT knob controls the upper midrange harmonics of the device. The function and sounds effected by this knob are dependent on the amplifier you are using. Typically, you will adjust this knob to get the best sound with the amp you are using and leave it at that setting. Some amplifiers will sound best with this knob at very low or very high settings, others may not show much difference at either high or low settings. Low settings provide a smooth sound (less "grit" in the distortion). High settings yield more brightness, edge, sustain, and "grit".

The TREBLE knob controls the level of treble when the unit is engaged. This knob has plenty of range, so try several settings to see what works best for you.

The volume knob controls the output volume when the device is ON. 1/2 of the way up or lower is a typical setting.

REAR PANEL

The OUTPUT jack on the True Grit is connected to the input of your amplifier, or the input of another effects device by a 1/4" instrument cable.

The 9V AC-DC jack is an input for an auxiliary power source (like a wall plug type adaptor). The True Grit is unusual in that it can take 9V DC or 9V AC. Polarity does not matter with the True Grit, so any 9 Volt adaptor you have with a 2.1 mm plug will work.

The INPUT jack on the True Grit is connected to the output of your guitar, or the output of another effects device in your signal chain by a 1/4" instrument cable.

BATTERY REPLACEMENT:

If the ON/OFF and BOOST indicators become dim, it is time to replace the battery. Remove the four screws on the bottom of the True Grit box. Carefully separate the black base from the stainless steel top. All of the components are attached to the stainless steel top of the box. The battery is attached to the red & black battery snap wires in the rounded end of the box. After replacing the battery, put the battery and snap back in the box snugly against the rounded end of the box. Reattach the black base to the stainless steel top with 4 countersink 4-40 screws.

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Thank you for purchasing the True Grit.
Please read and save these instructions.

TRUE GRIT OVERVIEW

True Grit is a switchable low gain or high gain overdrive device. The BOOST footswitch control will toggle the device between the low and high settings. This switch, combined with the GAIN knob will adjust the gain and distortion sound of the device. The tone controls (BASS & TREBLE) have enough range that you can dial in a tone on the amp (ON/OFF footswitch in the OFF position, when True Grit is bypassed) for one sound, then switch the True Grit on for another. By using the BOOST function, you can get a 3rd completely different sound (#1 - effect bypassed, #2 - True Grit on low gain setting, #3 - True Grit on high gain BOOST setting). BASS and TREBLE controls do what you would expect, and GRIT alters the upper midrange frequency (buzz and grit in some amps) for the best tone for any amplifier. VOLUME controls the output level.

QUICK START GUIDE

The low gain setting (BOOST footswitch off) is best for:

1. Clean Amp, Classic Rock, or Americana distorted tones. Cranking the GAIN with the BOOST footswitch off will provide more dynamic range at the same overdrive/distortion level than turning the GAIN control down with the BOOST on.
2. Overdriving a vintage amp to get a small amount of overdrive. Use higher settings on the VOLUME control, and lower settings on the GAIN control
3. Overdriving an already distorted amp to get lots of distortion. Notice: Using the high gain setting (BOOST on) here would severely overdrive the amp, giving a muddy, saturated sound. (which you may or may not want) This will not harm the amplifier, however.

The high gain setting (BOOST footswitch on) is best for:

1. Getting high gain, long sustain sounds from a clean amp.
2. Extracting super brain-damage-o-phonic sounds from a distorted amp (of course you can always roll back the volume knob on your guitar to clean up the sound).

For even more extreme gain levels with a clean amp, the True Grit can be paired with a second True Grit device, or another fuzz/overdrive/distortion device placed in the signal chain before or after the True Grit (try both ways to find your best sound).

The ON/OFF footswitch is a true bypass type, which means that the amplifier's sound is not changed in any way when the effect is off (green light off). The green light is an indicator that the True Grit is on.

input jack:

Insert instrument cable with a 1/4 inch plug to connect guitar or other instrument to the unit & turn it on.

ac/dc adaptor jack:

Plug any AC or DC adaptor (2.5 mm plug) in to this jack to bypass the 9V battery

output jack:

Insert an instrument cable with a 1/4 inch plug in to the output jack. Connect to amplifier or other effect.

gain control knob:

Rotate clockwise to increase gain, counterclockwise to decrease gain.

bass control knob:

Rotate clockwise to increase bass, counterclockwise to decrease bass. Range is + and - 12 dB

grit control knob:

Rotate clockwise to increase upper midrange harmonics (grit), counterclockwise to decrease grit.

treble control knob:

Rotate clockwise to increase treble, counterclockwise to decrease treble. Range is + and - 12 dB.

volume control knob:

Rotate clockwise to increase volume, counterclockwise to decrease volume. Maximum output: 1.25 Volts.

on/off foot switch:

Press this true bypass foot switch to enable the effect, or to completely bypass it.

on/off indicator:

This LED will be lit when the effect is activated.

gain boost foot switch:

Press this foot switch to instantly switch between high and low gain modes.

gain boost indicator:

This LED will be lit when the gain boost is selected. It will remain lit when boost is selected regardless of whether the unit is in the circuit or bypassed. This is to show which position is selected.

SPECIFICATIONS:

Controls/Features	on/off, boost, gain, bass, grit, treble, volume, input, output, AC/DC 9V power
Bass & Treble Ranges	Both Bass and Treble controls have ranges of + and - 12dB
Input Impedance	250k Ohms
Output Impedance	10k Ohms
Output Volume	Maximum output is 1.25 volts
Current Draw	40 mA @ 9 Volts DC
Power Supply	9 Volt battery (included), or any 9V AC or 9V DC adaptor w/ 2.1 mm plug (optional)

WARRANTY:

The True Grit is guaranteed against manufacturing defects. If your True Grit fails to work due to manufacturing defects during the first year, Zinky Electronics will pay for all necessary repairs & replacement parts (customer pays all shipping charges). Please call Zinky Electronics at 928.822.0800 so that we can troubleshoot, and then repair or replace the unit if necessary (this does not include battery wear - always check the battery first). If it quits working or is damaged after the first year, or within the first year due to abuse, please contact Zinky Electronics to make arrangements & payment for repair.