



## Stone Bender MKII Pro operating instructions.

We hope you enjoy the the ThroBak Stone Bender MKII Pro. Below is a rundown of the features that we feel make the Stone Bender MKII one of the most versatile Tone Bender Clones on the market.

**Level Knob:** This knob increases the volume level of the effect when rotated clockwise.

**Attack Knob:** This knob increases the level of fuzz when rotated clockwise. Increased noise with clockwise rotation is normal.

For internal trim pot adjustment refer to the instructions below. **No adjustment is usually necessary to the internal trim pots. Although it is somewhat guitar and amp dependent, play with the pedal for several days before considering any internal adjustments.** The level, attack and pre gain switch offer a wide variety of tones once you get familiar with them.

1. The Pre Gain input trim pot is label TR1 on the circuit board. The Pre Gain trim is set to work well as an overdrive when used with humbucking pickups as well as many single coils. Activating the switch increases low note clarity when the pre gain pot is properly adjusted. This trim pot is activated into the circuit when the switch on the top front center is in the left side position. When the switch is to the right the pre gain pot is bypassed.

Before making any adjustment make sure this switch is pushed to the left, the effect LED is on, the level adjustment all the way up and the attack all the way down (counter clockwise) your amp is on low volume and your guitar is connected. With the back open, locate TR1. Rotate the pot while playing on open low E or A on the guitar. Turn the pot from left to right and notice the change it makes in the character of the played notes. Adjust until the desired note clarity is reached.

2. The transistor bias trim pot is labeled TR2 on the circuit board. My own personal advice is don't adjust this. It is preset to the "correct" bias voltage. In reality other voltages will work fine and will subtly change the character of the pedal. So this is your call. As a general rule rotating the pot clockwise will loosen the character of the distortion and counter clockwise rotation will tighten the character of the distortion. As with the Pre Gain trim pot adjustment and experiment while playing the guitar.

3. On the lower right side the color switch this is a new feature that when in the up position changes the color of the tone. This setting is useful to take some of the edge off the fuzz tones.

### About Batteries and power supplies:

WHEN THE BATTERY IS NOT IN USE WRAP A PIECE OF TAPE AROUND THE 9 VOLT BATTERY TERMINAL TO AVOID THE RARE POSSIBILITY OF A SHORT.

The best sound and lowest noise operation will come from cheap dollar store 9 volt non alkaline batteries like the one included with the pedal. The down side to these cheaper batteries is that they are more prone to leakage when they get old. So one must make sure that old batteries are removed. When using batteries be aware that

plugging in the right 1/4" input jack powers up the pedal and begins to drain the battery whether or not the LED is on. So make sure the right input jack is disconnected when not in use to preserve battery life. If this is done you will get many hours of use out of a single battery.

Any standard 9 volt negative center pedal power supply will also work with this pedal. However this is a positive ground effect and must have its own dedicated power supply. It cannot use a supply that also powers other pedals. Also when using an external power supply put a piece of tape around the battery clip terminals to avoid the rare possibility of internal shorting. An external power supply may also make the pedal slightly noisier due to power supply noise.

#### About transistors:

The 3 Germanium transistors in this pedal have been carefully chosen and auditioned for correct gain and low noise. They are socketed which allows me to be remove them so I can to tune the pedal. **USER REMOVAL OF THESE TRANSISTORS VOIDS THE WARRANTY.** The order and selection of these transistors is essential to proper operation so I cannot honor the warranty for those who wish to experiment with different transistors.

Germanium transistors are temperature sensitive. Do not place the pedal on top of a hot amp like an AC-30 it may throw the bias setting off temporarily.

#### 5 year limited warranty terms:

Throbak Electronics will repair or replace any Throbak effect that fails to operate due to defect in manufacturing within 5 years of original purchase date. Damage due to battery leakage, neglect, abuse, normal wear or cosmetic damage is not covered under the terms of the warranty. User replacement of transistors or replacement of other internal components voids the warranty. Because of factors beyond Throbak Electronics control we cannot be responsible for any alleged or actual damage caused by Throbak Electronics products to buyers equipment.

Warranty applies only to products owned by the original purchaser.

Purchaser is responsible for paying shipping charges on warranty claims.

Thanks again and check out the full line of ThroBak effects and guitar pickups.

[www.throbak.com](http://www.throbak.com)

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