

**Finding That Tone**  
PEDAL MAKERS

## Finding That Tone

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### GENERAL INFORMATION

Below we detail important information on the safe operation of the product. Please, read and follow the safety advice and instructions given. Retain this manual for future reference. If you pass the product on to others please include this manual.

All our products are hand-built in Spain. Subsequently all our products are individually and specifically tested one-by-one, so its correct operation is guaranteed. However, feel free to contact us if there are any problem.

All our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

### SAFETY INSTRUCTIONS

**INTENDED USE:** this device is intended to be used for sound processing of signals from musical instruments with electromagnetic pickups. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

**DANGER FOR CHILDREN:** ensure that children do not detach any small parts from the product (for example the knobs or any other part). They could swallow the pieces and choke! Never let children unattended use electrical devices.

**EXTERNAL POWER SUPPLY:** this device is powered by an external DC power supply unit. **Please, ensure you connect the pedal between 9V DC and 18V DC, regulated with a standard 2.1mm negative center barrel plug.** Any other type may damage the pedal. Please only use a power supply made specifically for guitar pedals or you risk damaging the pedal. The use of a power supply with the wrong polarity or supplying the pedal with an over-voltage supply may cause severe damage to the pedal. We recommend to use a power supply with isolated outputs for better tone quality and noise reduction.

DC connection  
(9V to 18V)



Standard negative center

**BBlues One**  
LOW GAIN OVERDRIVE

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## BBLUES ONE

The BBlues One is based on the classic BluesBreaker®\*) circuit, incorporating new extra controls for tone shaping, as well as other technical improvements like noise filter, more volume, soft switching and true bypass. It was designed with inspiration from those almost clean tones of John Mayer's Continuum era, looking for that deep, bell-like tone, but will be able to give you a multitude of other tones and work successfully in almost any backline.

### VOLUME

The BluesBreaker circuit (and our previous version of the BBlues One), is characterized by a notable volume lack. In this case we have replaced the native volume with a system that allows you to obtain the unit volume with the knob at 12:00. From there, you will have 50% of the remaining knob travel to boost the signal and push your amp.

### PRESENCE

We've added a dedicated presence control that will allow you to boost the high-end of your clipped signal. Very useful when the new DEEP and SMOOTH switches come into play. Set to zero is BluesBreaker stock. We always recommend setting it to 0% as a starting point, and from there begin to raise it (or not) depending on your taste.

### TONE

BluesBreaker's native tone control. This is a general filter of certain mid and high frequencies, allowing you to attenuate or brighten the tone. If you need mids, turn this control up, but you may have too much treble; to cut those annoying highs, you can activate SMOOTH.



## GAIN

BluesBreaker's native gain control. It remains practically clean throughout its entire run until approx 2:00, where it begins to break up, becoming more saturated in the last quarter of the path. However, in this new version, the saturation of the diodes is adjustable through an internal trimpot that manages the voltage they receive, being able to increase or decrease the saturation of the pedal, which will influence the behavior of the GAIN potentiometer.

### INSIDE THE PEDAL

#### DIODES CALIBRATION

Inside the pedal you'll find a trimpot that regulates the voltage received by the diodes, which produces a change in saturation and in the behavior of the GAIN pot.

- **Stock:** at 11:00-12:00. NOS BBlues One diodes setup.
- **Clean:** counterclockwise turn. Less saturation, so the pedal is cleaner.
- **Dirt:** clockwise turn. The pedal has more gain.



*Please be careful when opening the pedal. Make internal adjustments with the pedal unplugged. Do not apply strong pressure on the trimpot as this could damage the pedal.*



### BRIGHT

It is the same switch of our previous version called EARLY/LATER. For simplicity, we have now called it BRIGHT.

- **EARLY** (down): present on early BluesBreaker mk1 units from the early '90s. Produces a less aggressive and sweeter tone, somewhat less bright and with less gain. Particularly suitable for John Mayer style clean glassy tones.
- **LATER** (up) : present on most BluesBreaker mk1 units, it came about because Marshall, sometime in the mid '90s, modified certain values of the circuit components to give the pedal a little more punch and gain, producing a brighter and more aggressive tone.

### SMOOTH

We have incorporated a new switch that modifies the signal clipping system, so that it is more rounded, that there are not so many peaks. This translated into sound language means that some high frequencies are softened allowing a better appreciation of mids, velvety tone. Down is off (BluesBreaker stock), up is on (SMOOTH).

### DEEP

New switch that modifies the feedback of the integrated circuit, increasing the low frequencies giving a sense of depth. Down is off (BluesBreaker stock), up is on (DEEP).