BRIGHTON

Treble Booster

Manual

Suhr®

GUITARS I AMPLIFIERS I PEDALS I PICKUPS

Table of Contents

Overview

The Brighton Treble Booster was designed to bring classic, harmonically rich upper-frequency lift into the modern era. Built to enhance the natural voice of your instrument and amplifier, it delivers everything from a subtle, glassy edge to full-bodied, saturated drive—without sacrificing articulation or touch response.

Brighton is based on a famous classic 60s discrete transistor design that was one of the earliest guitar pedals in history. We added an extra discrete output buffer to mitigate tone loss when using longer cables to your amp. We also added a unique input network that allows you to keep the body and low end that gets lost from the original circuit by adjusting the **BODY** control. This allows the user to achieve a fuller, more modern tone if desired. With it fully counter-clockwise, it matches the original circuit's bass roll-off.

The original design exhibited variation between units in how the transistor was biased. Some users seek a specific bias voltage that is commonly regarded as the best-sounding. With our **BIAS** control, the fully counter-clockwise position matches the sought-after bias value, while rotating it introduces different variations in waveform shape for subtle changes in harmonic content.

Finally, a **SMOOTH** switch was added to tame high frequencies for a slightly smoother tone.

Brighton is highly responsive to your guitar's volume control. As you roll your volume down, Brighton cleans up and gives you that classic glassy clarity that you get from a transistor treble booster. This allows you to switch between clean and overdriven tones with ease.

Whether you're pushing a clean amp for shimmering clarity or hitting

an overdriven front end for soaring leads, this pedal elevates your sound with precision and power. With the included performance mods, you can achieve the original treble boosted sound, or a variation of it that better suits your needs.

Quick Start

Using Brighton for the first time

1. Plug your guitar into **INPUT** (Right side jack) and your amp into **OUTPUT** (Left side jack).

2. Connect a 9V center-negative power supply to the **9V DC** jack (Top side jack).

3. Start with **BIAS** and **BODY** controls fully counter clockwise and **SMOOTH** switch to the left. These are classic treble booster settings.

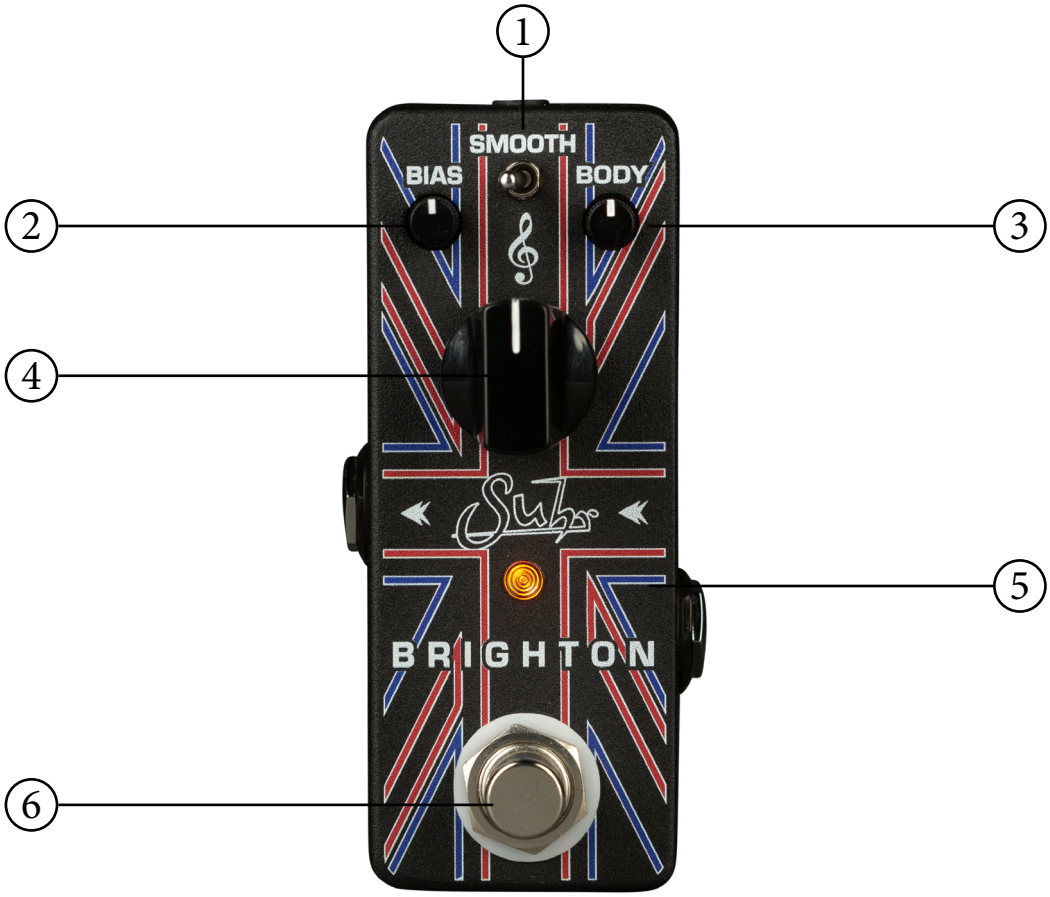
4. Start with **TREBLE** knob (large knob with treble clef) at 12 o'clock. Turn up or down for more or less boost.

5. Press the foot switch to turn the effect on.

Placement in Signal Chain

For classic treble booster behavior, place Brighton early in your signal chain, directly after your guitar. Experimenting with placement later in the chain can produce different tonal results.

Controls



1. Smooth

The **SMOOTH** switch is active when flipped to the right. This rolls off some high end frequencies to smooth out the bite of the treble booster.

2. Bias

The **BIAS** control adjusts the bias point of the transistor, which has a direct effect over the output waveform's shape and sound. Fully counter-clockwise is the standard setting, while rotating clockwise will give slightly different characteristics. While the control is more subtle, it's worth listening closely to what you find most appealing.

3. Body

The **BODY** re-introduces the low end that is cut off in the classic treble booster circuit. Fully counter-clockwise is the classic setting. Rotate clockwise to bring low end back for a fuller tone.

4. Treble

The **TREBLE** control sets the overall gain of the circuit.

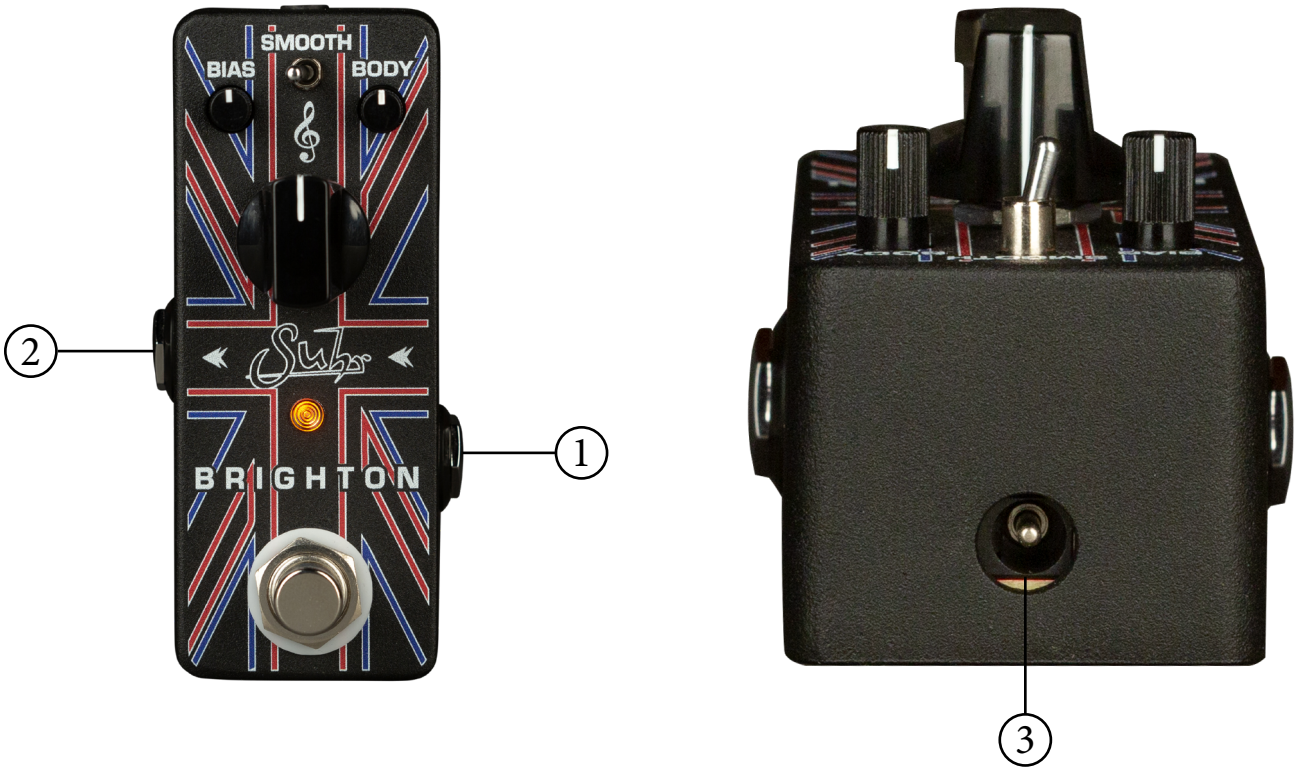
5. Bypass LED

When Brighton is engaged using the foot switch (6), the LED illuminates orange.

6. Bypass Foot Switch

Step on the foot switch to activate Brighton.

Inputs & Outputs



1. Input

Plug your guitar into the **INPUT**.

2. Output

Plug the **OUTPUT** into your amp or the next effect in your signal chain.

3. 9 V DC Power (Center Negative)

Plug in a standard 9 volt, center negative, 2.1mm x 5.5mm barrel cable from your pedal power supply.

Technical Specifications

Input Impedance: 30KΩ

Output Impedance: ~5KΩ

Transistor Type: Silicon

Power Connector: 9 V DC, center negative, 2.1mm x 5.5mm

Current Consumption: 3mA max

Reverse Polarity Protection: Yes

Dimensions: 1.82” (W) x 3.85” (D) x 1.89” (H)

Weight: 0.37 lbs.

ROHS Compliant: Yes

*All specifications subject to change without prior notice

Warranty

For warranty information on the Brighton as well as all other Suhr products, please visit https://www.suhr.com/warranty/