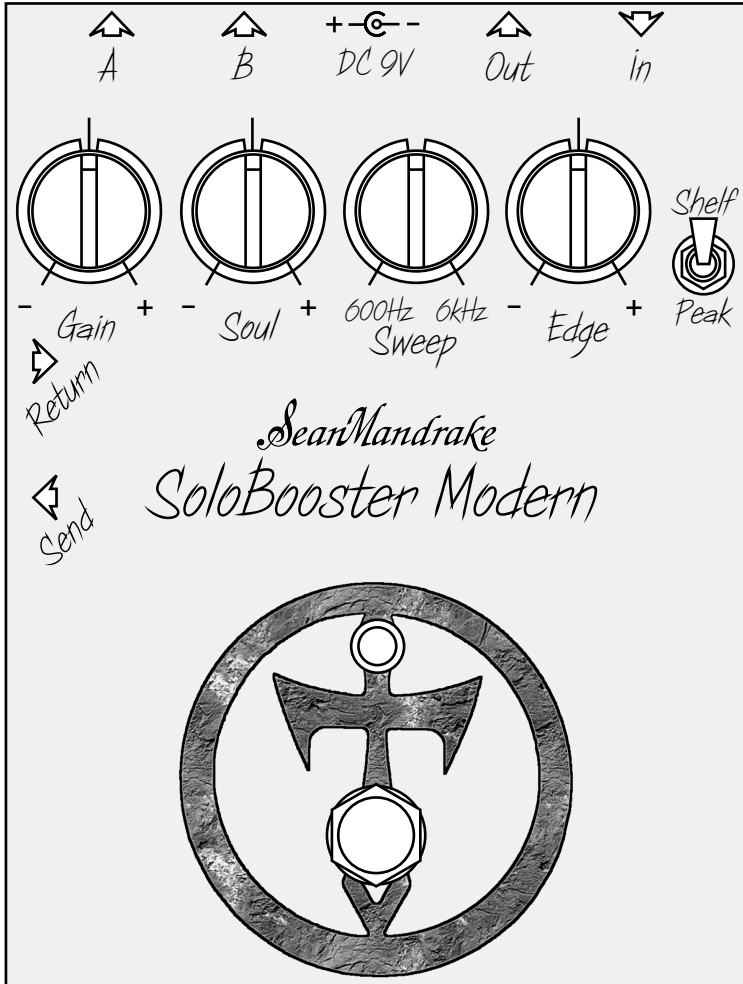


# SoloBooster Modern



Designed by

*SeanMandrake*

# SoloBooster Modern by SeanMandrake

Thank you for buying the SoloBooster Modern.

The SoloBooster Modern has been carefully designed with 100% analogue components to provide a precise and powerful boost with minimum noise, maximum tone and a myriad of functions all activated simultaneously from a single stomp.

The philosophy behind all our effects units is to bring world class features and facilities to your existing tone without stomping all over it.

## Features

- I. Active gain boost of up to 500% (15 dB) that doesn't colour your sound.
- II. An effects loop that doesn't chop off the tail of your reverb or delay.
- III. A complex tonal stage designed specifically to enhance guitar frequencies.
- IV. An A/B output for switching between two amps or channels.
- V. Hard switching for complete channel (Boost + FX / Bypass) separation.
- VI. Electronically matches your guitar, effects and amp with each other for a purer, more alive sound.

## The controls and sockets

<b>In</b>	This is the input from your guitar or preceding effects.
<b>Out</b>	The output when using a single amplifier.
<b>A</b>	This is an output which is active when the pedal is bypassed.
<b>B</b>	This is an output which is active when the pedal is active.
<b>Send</b>	The effects loop output, typically to a delay or reverb effect.
<b>Return</b>	The effects loop return.
<b>DC9V</b>	Centre negative (Boss(TM) style) 2.1 mm power, 9-15vDC.
<b>Gain</b>	This affects the boosted level.
<b>Soul</b>	This affects the high energy midrange frequencies.
<b>Sweep</b>	This changes the range of frequencies affected by the Soul control.
<b>Edge</b>	This affects the brightness of the boost.
<b>Switch</b>	This changes the tonal shape of the Edge control.

## Using the SoloBooster Modern

### Basic usage

Turn all controls to the centre to begin. Using only the In and Out sockets the pedal acts as a straightforward Solo Boost.

The Soul, Sweep and Edge controls form an equalization section with wide Q characteristics and minimal phase shift, reminiscent of a vintage British console.

The switch selects how the Edge control functions. Shelf mode uses a vintage shelving filter. Peak mode uses a modern parametric style filter. The Edge control then adjusts the high frequency content in the SoloBoosted sound.

The Soul and Sweep controls work together to allow you to zone in on your desired SoloBoost sound. Use the Sweep to select the frequency region; from raucous mids to ripping edgy highs, then use the Soul control to adjust the amplitude of those frequencies.

Finally, this pedal is designed to overdrive naturally when high boost settings are used. The sound of this will depend upon every factor including the type of battery or power source in use and a very wide range of drive sounds can be obtained.

### **Effects Loop Usage**

The effects loop is engaged whenever the pedal is active and disengaged when it is bypassed.

The effects loop uses a mixer stage, thus, when you bypass the pedal the natural decay of any effects in the loop is mixed in with your bypassed sound. This allows you to switch back from a solo without the harsh cut-off typical of most effects for a much more professional sound.

### **A / B / Out Usage**

The rear of the pedal features three outputs.

Out always functions in the traditional manner, carrying both your SoloBoosted sound or your bypassed sound (along any natural decay from effects in the loop).

A is active only when the pedal is bypassed and only carries your bypassed sound, never any effects or effects decay.

B is active only when the pedal is active and carries the sound from the effects loop, filter and gain boost along with effects decay when the pedal is bypassed.

Think of these outputs as an active, buffered A/B box added after your SoloBooster.

### **Dual Amp / Input Set-up**

If you have the luxury of running two amps or perhaps separate inputs on a vintage valve combo or head then the SoloBooster Modern really shines.

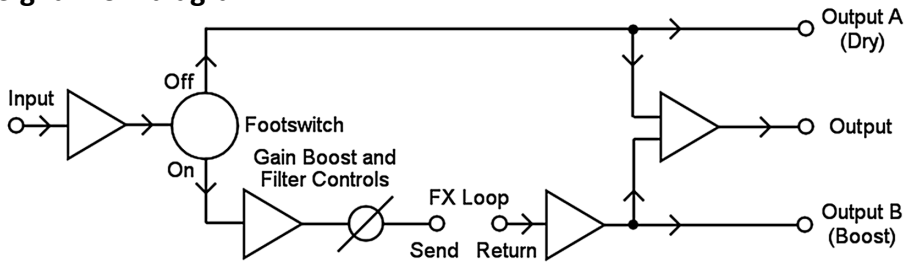
Connect B to the amp / input you will use for your Solo sound.

Connect either A or Out to the amp / input you will use for your rhythm sound.

Using A & B will allow you to switch between amps for rhythm and Solo sounds.

Using Out & B will allow you to use one amp for rhythm and both amps together for a truly huge Solo sound!

## Signal flow diagram



## Troubleshooting

### LED does not light and no sound...

Check that the battery is not flat or that the PSU is connected correctly (a centre positive PSU, AC PSU or one outputting over 15v may damage the unit!). Also check that there is a mono 1/4" jack connected into the input. Using a stereo jack may not work correctly.

### Sound is distorted but only when gain is turned up...

The output level of any audio equipment is limited by its power source. Check the battery; it may be partially drained. Also check your PSU is on the correct voltage setting if it can be adjusted. If you are using the pedal with very high output equipment (MP3 players etc & some active pickups) and you are using a high gain setting you may benefit from investing in a 15vDC regulated PSU.

### Other problems...

Visit [www.seanmandrake.co.uk](http://www.seanmandrake.co.uk) with your questions for a speedy reply.

## Guarantee

All of SeanMandrake's pedal designs are hand crafted and designed entirely by the man himself. As such every pedal will vary and cosmetic imperfections are to be expected and are considered normal.

In terms of functionality, every pedal is built from high quality, carefully selected components. If anything goes wrong or your pedal malfunctions SeanMandrake will repair or replace it free of charge for three years from the purchase date.

This guarantee excludes damage caused from unreasonable abuse. This includes but is not limited to: liquid damage of any sort, high impact physical damage or cosmetic damage and damage from using an incorrectly specified PSU.

Many spare parts are available, if you want to find out more please visit...