

## User manual

# Reuss Plasmatron™ Stuart Braithwaite signature pedal

Unique parallel distortion and fuzz pedal, merging two of the Mogwai frontman's most loved effects into one, to be freely mixed and balanced

### Controls (right to left, upper row first)

- 'distortion' controls the amount of distortion of the F\*btone circuit
- 'treble' adjusts the treble of the F\*btone circuit
- 'bass' adjusts the bass of the F\*btone circuit
- 'level' is the output volume control of the complete pedal, adjusting the volume of the combined sound of the two circuits
- 'fuzz intensity' controls the amount of fuzz of the opamp BM circuit
- 'fuzz tone' adjust the tone of the opamp BM circuit
- 'mix' adjusts the balance between the two circuits. All the way counter-clockwise you hear a pure F\*btone distortion effect and all the clockwise it is pure opamp BM. By specification of Stuart Braithwaite, the two circuits are not equally loud. At 'noon' the mix is roughly 75 percent F\*btone

### Switches

- The footswitch turns the first effect on and off, indicated by the blue LED (mechanical true bypass)

### Internal switches (left to right when looking inside the pedal)

- 'PREGAIN MOD' The original old F\*btone pedal had an almost useless distortion control, giving practically full-on distortion regardless of the position of the distortion knob. By setting this DIP switch to 'ON' you activate a modification of the pre-gain section of the circuit, resulting in a much wider range of the distortion control. The pedals ships with this modification 'ON' (because it's better).
- 'TIGHT MOD' This DIP switch tightens up the low-end response of the opamp BM circuit to reduce the 'boomy' bass of the original circuit. The pedal ships with the modification 'ON'. If you wish to use the pedal for bass, you might want to turn this modification off.

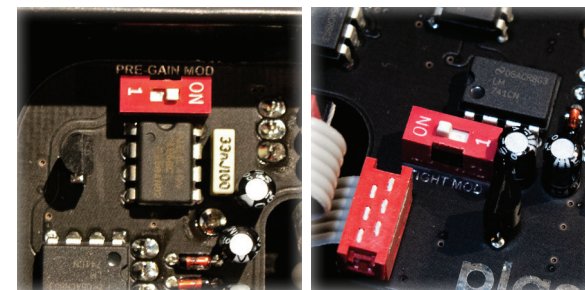
### Connectors

- The right side jack (when looking at the face of the pedal) is the input of the pedal. Connect your instrument here
- The left side jack is the output
- The DC connector is for a standard 'Boss-type' guitar pedal 'negative centre' power supply. ONLY use this type. Reversing the polarity can damage the pedal. The pedal handles 9-18V at the DC jack. You can also run it with a 9V battery (not included)

*Please note: The pedal is drawing power from the battery, when there is a jack in the input connector. Always remove the input jack when the pedal is not in use, if you are running it with a battery*

### Features and Specifications

- Complex distortion pedal based on Stuart Braithwaite of Mogwai's two favourite dirt pedals, the 1990s F\*b Tone and 1970s opamp Big M\*\*f
- The two circuits are wired in parallel and can be freely mixed and combined, for completely new distortion textures, not possible with any of the original vintage pedals alone
- Custom settings for both circuits via DIP switches inside
- Vintage new old stock Made in Japan Nec brand Upc4558 opamps
- Extremely high build quality. Assembled by hand in the European Union. The pedals features a hybrid SMD construction, where the critical parts are hand soldered 'trough hole' in the traditional way, and the passive parts are surface mount (resistors and small capacitors)
- Powder coated enclosure in matte black finish with a subtle metallic sparkle effect and real silk screen printed graphics
- Runs on a standard 'Boss-type' guitar pedal 9V power supply or 9V battery (not included). The pedal handles up to 18V from an external power supply.
- High quality Neutrik jacks
- Alpha brand upgrade quality footswitch (good for at least 30000 stomps)
- Compact footprint: 11,9 x 9,4 cm (standard Hammond 1590BB size)
- Runs on a standard 'Boss-style' 9V DC guitar pedal power supply or a 9V battery. The pedal accepts 9-18V, but no real advantage of running it higher than 9V



### Warning - Extreme settings

The Plasmatron pedal can self-oscillate at extreme settings. Avoid turning the bass to max and avoid turning the distortion control to max if the level control is set very loud. The oscillation is inherent with this extreme circuit design. Not a malfunction or an indication of a faulty pedal.

### Battery access

Remove the four screws at the bottom side of the pedal with a philips head screwdriver to remove the bottom plate and gain access to the battery

### Warranty

All Reuss pedals comes with a limited 24 months warranty against manufacturing faults. The warranty is not covering normal wear and tear or abuse

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Reuss Musical Instruments / Good Guy's Media & Music  
DK-2860 Søborg, Denmark