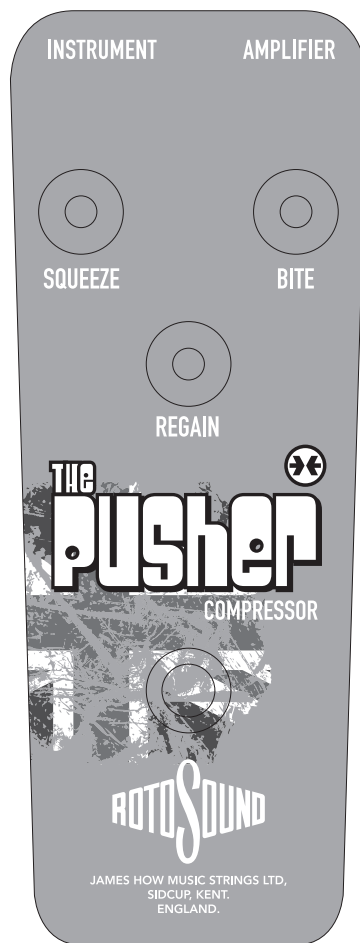


Control Layout



Technical Specifications

- High headroom
- Smooth wide range control of ratio, compression on one control and expansion on another
- Authentic components and hand wired assembly methods
- Real authentic 60's design techniques using today's technological approach
- Audio dynamics controller providing noise reduction
- Super low power LED indicating unit powered on and effect on
- Input socket for power supply connection (9 volt to 18 volt internally regulated)
- Designed by John Oram of VOX & TRIDENT history
- Hand built at the Rotosound factory, Sevenoaks, Kent, England





world famous music strings

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RP1

**The Pusher Compressor
Usage Tips**



Rotosound are pleased to present 6 new hand built pedals with a 'nod' to some of the best 1960's analog sounds.

We also wanted to recreate a certain Psychedelic look to these pedals incorporating vibrant colours and groovy artwork.

Painstakingly designed and put together here in the beautiful county of Kent England by a passionate team of musical engineers who between them have had many years working and playing in the music industry, we hope you will enjoy the magic carpet ride of sounds that these new pedals will help you attain, whether at home in your studio or out on the road.

These sturdy bullet proof pedals are made the old fashioned way with strength, ease of use and longevity in mind.

Turn on, tune in, drop out!



Jason How - Chairman

RPU1 - The Pusher Compressor Usage Tips

Maximise your signal with this versatile compressor.

It grabs and reshapes the dynamics of your playing for a solid performance.

With the unique expansion function 'Regain', background noise that was accentuated by the compression process can be dramatically reduced or completely eliminated whilst not playing or even between notes! Thereby regaining an excellent signal to noise ratio in your signal path.

This is very useful for when heavy overdrive effects are used.

The unit is powered by an internal 9V battery (long life battery recommended) or an external 9-12V

good quality regulated linear DC wall adapter (centre negative). Please note that many cheaper switch mode adapters/supplies are not suitable for some audio equipment and may introduce undesirable noise in your signal path when used.

Ensure the unit is unplugged when not in use when running from batteries.

Inserting an audio cable into the instrument input jack will power up the unit. The red LED at the top of the unit shows the effect status:

Constant Red - Unit is bypassed, no effect.

A note about bypass switches in effect pedals

Many makers of effect pedals use momentary transistorised circuits to bypass the effects when not needed. This can have the disadvantage of restricting the signal to the headroom and distortion specification of the connected effect even when the unit is 'bypassed'.

All Rotosound effect pedals feature a 'True Bypass' function so the signal path is completely transparent when bypassed and does not alter the source signal in any way.

Flashing Red - The effect is operating


In the case of the 'Pusher Compressor' the flash rate will be constant. In other Rotosound pedals that feature modulation (such as the Crusader Chorus) the LED will flash at the rate of modulation (set by the rate control)

When plugging in an external adapter to power the effect, the internal battery will be automatically disconnected to avoid damage.

Note: The external DC socket is not designed to charge an internal rechargeable battery if fitted. Rechargeable batteries can be used, but must be recharged externally, then fitted inside the unit.

Squeeze Control

Controls the amount of compression from none or 1:1 ratio (fully counter clockwise) to full limiting 50:1 ratio (fully clockwise).



All ratios in-between these two extremes are achievable depending on where you set this control. Midway (12 o'clock) is approximately a 4:1 compression ratio.

Whilst advancing this control the circuitry automatically applies more internal make-up gain negating the need for a separate make-up gain control and greater ease of use.

Bite Control

This special control feeds a proportional amount of uncompressed signal that is filtered for high frequencies only, directly to the output as it is rotated.

This is to compensate for situations where the compressed signal appears duller after compressing. It can restore the front edge of the source signal and give it more 'Bite'.

Note that this control is post the 'Re-Gain'/Expander control and so if you are just using expansion for noise reduction reasons then this control should be set to minimum for best noise reduction.

Re-Gain Control

This control can be used to remove unwanted background noise while not playing and even between notes. You would normally set this after setting the amount of compression with the 'squeeze' control. As the compression effect brings up the background noise as well as the signal, this control combats this by attenuating the noise when you are not playing, giving a much cleaner sound, and great for studio recording where noisy amplifiers and effect units constantly plague the studio engineer!

Note: When using very large amounts of 'Re-gain' it is normal that the overall level of signal should drop slightly.

If not compressing, this function is very useful in its own right when inserted at the end of your effect pedal chain, it will then effectively reduce or eliminate noise from all of the effects preceding it before feeding its output to an amp or recording device.