

# DR SCIENTIST

## THE ELEMENTS

Dearest customer, thank you very much for purchasing this Elements pedal, we hope you enjoy it! Let's go over a couple things really quick and then you can go have fun with your new toy!

The input, output, and power jack are all located on the top of the box, with input being on the right as you look down at the pedal.

Your Elements hungers for a regulated 9VDC power supply with 50mA of current. The power jack is the standard 2.1mm connector, centre negative.



It's very important you use only a centre negative adaptor otherwise your pedal won't work. (Don't worry though, you won't hurt it.) If you have a power supply that can do 12VDC or 18VDC you're safe to use those voltages too, although if unregulated you might suffer from hum and/or noise.

Your Elements is safe to daisy chain with other pedals for power but just keep in mind that sharing power supplies with other pedals, especially digital ones or ones with timing signals, can make for unpredictable/weird noise. (There is no battery inside your Elements, but you don't like buying and throwing out those expensive little environmental hazards anyway, right!)

On to the controls!

**MIX** - This is your clean blend knob. Turn it all the way down and you hear only your dry/bypass signal (which can't be affected by any of the controls), turn it up all the way and you hear only the signal through the effect.

**GAIN** - This knob controls the gain of the effect, turn it up to add saturation /clipping /distortion in high gain mode and in low gain you use it to add boost or saturation, depending on how you're using the pedal.

**CLIP toggle** - Chooses between three clipping settings that affect both the low and high gain modes. The middle position is open, no clipping diodes at all, so it adds no clipping or saturation to the signal. (This setting cleans up the best with your guitar's volume.) The bottom position is asymmetrical clipping which is a mix of silicon diode clipping with the other side open. The upper position is LED clipping and offers the most clipping/saturation of the three choices.

**MID FREQ toggle** - This three position switch sets the frequency that the MID knob controls. The centre position is about 1200Hz, the lower position is about 800Hz, and the upper position is about 400Hz.

**MID** - Active control over the midrange frequency content of the effect, the frequency it controls is set by the MID FREQ toggle switch. It's flat with the knob at noon, turn it down to reduce the midrange and turn it up to increase it.

On the side of the box there's a jack for an expression pedal input. You can use this expression pedal input to control the MIX knob, letting you go from totally clean/dry to fully wet with a foot pedal. (The best value for the expression pedal is around 50k Ohms and it needs to be a TRS style cable.)

**VOL** - Controls the output level of the effect. (It doesn't effect the level of the dry signal, only the effected signal)  
\*Note - The high gain setting is much louder than the low gain setting, so watch out for that when switching between them!\*

**GAIN toggle** - Chooses between two gain modes, the lower position is the low/medium gain setting and the upper position is the medium/high gain setting. In low gain mode the Elements can be used as a buffer (no gain), equalizer, booster, or low to medium gain overdrive. In high gain mode the pedal can be used as a medium gain overdrive to high gain distortion.

**BASS CUT toggle** - This three position switch sets the bass content going into the gain stage(s). In the lower position there's no bass cut, all the bass of your signal goes through. The middle position is the largest amount of cut and a considerable amount of bass is restricted. The upper position is a moderate level of cut, not as drastic as the middle position.

**BASS** - Active control over the low frequency content of the effect, centred around 100Hz. It's flat with the knob at noon, turn it down to reduce the bass and turn it up to increase it.

**TREBLE** - Active control over the treble content of the effect, centred around 3kHz. It's flat with the knob at noon, turn it down to reduce the treble and turn it up to increase it.

Please stop by our forum at [ilovefuzz.com](http://ilovefuzz.com) for more information like sample settings, demo videos, and interesting discussions with other guitar pedal aficionados.

Your Elements comes with a limited lifetime warranty so if you ever have any problems with it don't hesitate to send us an email, [info@drscientist.ca](mailto:info@drscientist.ca), and we'll make arrangements to get it fixed up for you immediately.

