Gehirn ENTERPRISES NoisWasp Fuzz + Noise Maker User Manual

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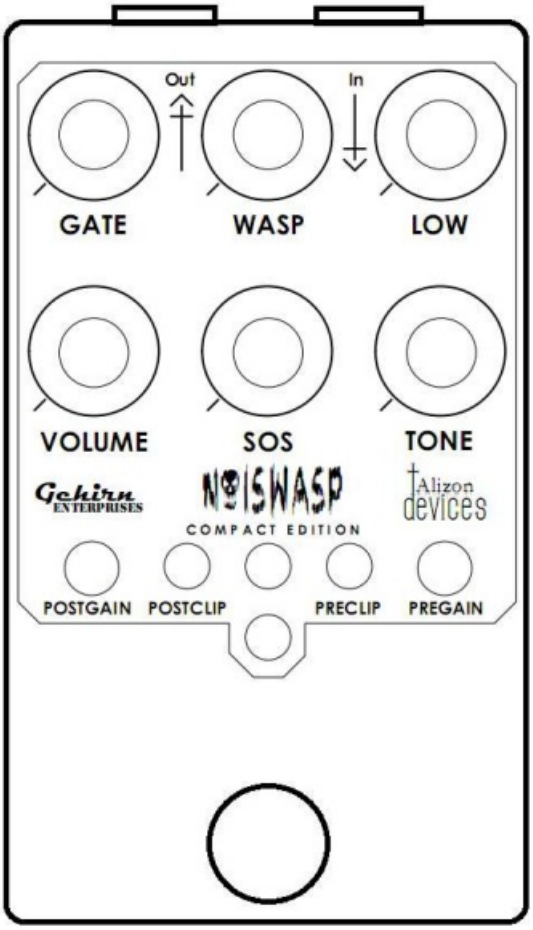
PEDAL CONTROLS



- OUT Amp plugs in here. Pedal can self oscillate with no input jack plugged in
- GATE Noise gate, will work in the classic way, and generate sputtering sounds
- VOLUME Everyone needs a volume control
- SOS Controls amount of output signal fed from output to input
- POSTGAIN Controls gain in the output stage
- POST CLIP Up = LED Center = Off Down = Silicon
- 9Vcentre neg, i.e. boss style
- IN Instrument plugs in here
- WASP The heart of the beast, small adjustments can cause large variations
- LOW Current limiting to critical components, create havoc, increase entropy
- TONE A classic tone control, sculpts sound and also effects oscillations
- PRE GAIN Controls gain in the input stage
- PRECLIP Up = LED Center = Off Down = Silicon

The NoisWasp is a Fuzz / Noise Maker based on the 4MS Noise Swash. Every control is highly interactive with the other controls so changing one knob or switch can change how all of the other controls behave. It is incredibly difficult to re-create some of the sounds achieved with this pedal, due to their random nature. If there's a particular sound you love I recommend you record it, as you may never hear it again.

Controls

- Gate: Noise Gate, works in the normal way, but if the pedal is self-oscillating it will make noise when you stop playing instead of silence. Cool sputtering sounds can also be achieved.
- Wasp: Connects the inverting and non-inverting inputs of an op-amp together. In normal audio design this

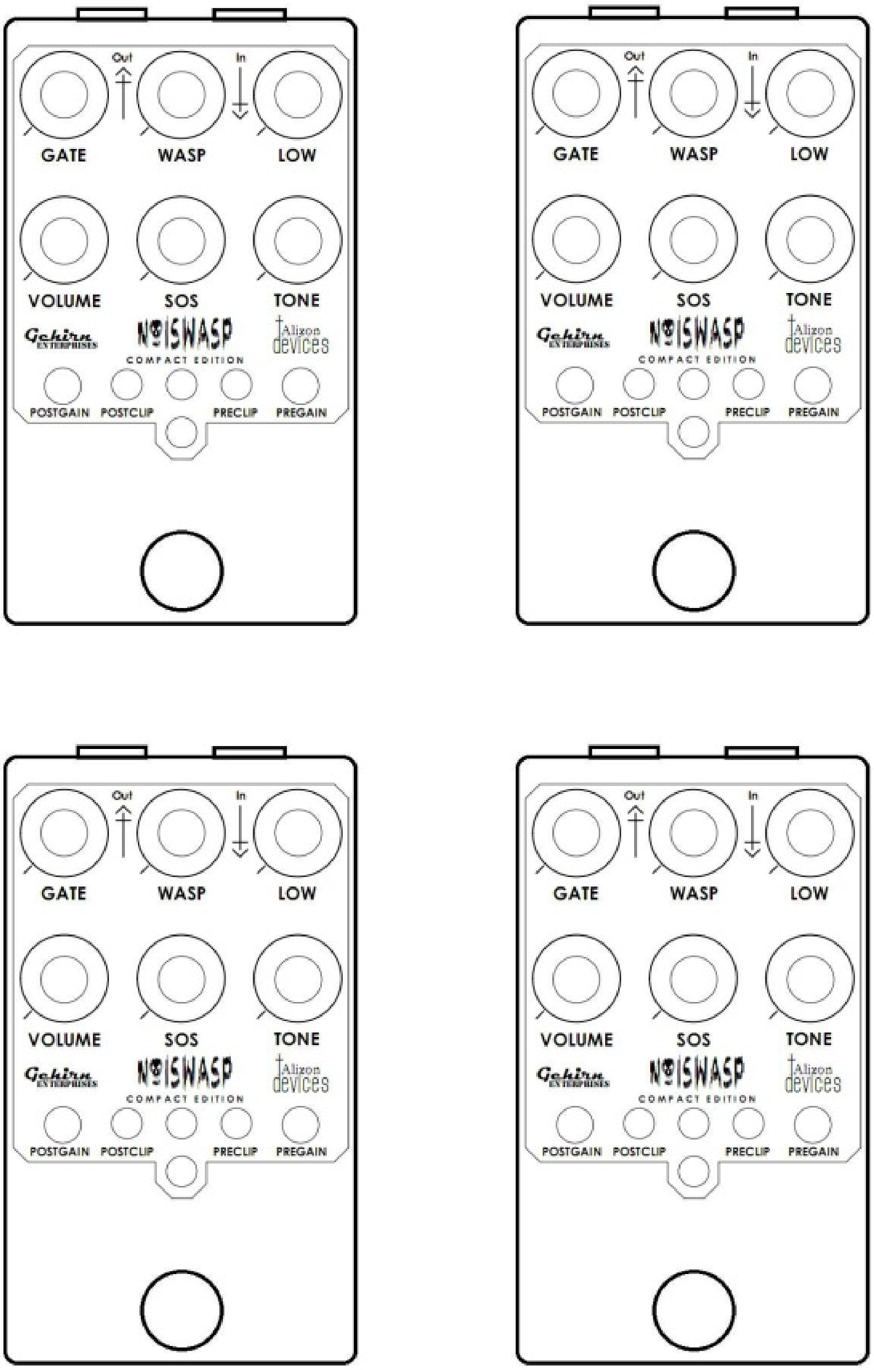
would rarely happen. But this is not a normal pedal. This control is responsible for a lot of the chaos this pedal generates. Small adjustments have large effects.

- Low: Power starve, this control limits current to critical components, creating havoc and increasing entropy. If you turn it all the way up it will work more like a normal fuzz pedal, as you turn it down more oscillations and random glitches will occur.
- Volume: Works as a normal volume control. But because this pedal has a feedback loop from output to input (SOS) changing the volume can also effect the oscillations.
- SOS: Self Oscillation, changes the amount of signal fed from output back into the input. Only works if the SOS switch is up
- Tone: Works as a normal tone control. Bass CCW, Treble CW. But can also effect the oscillations.
- Postgain: Controls gain in the output stage, has less effect on the sound than pregain.
- Pregain: Controls gain in the input stage, has more effect on the sound than postgain.
- Preclip Switch: Controls clipping options in the input gain feedback loop.
- Up = LED, Center = Off, Down = Silicon.
- Postclip Switch: Controls clipping options in the output gain feedback loop.
- Up = LED, Center = Off, Down = Silicon.
- SOS Switch: Disconnects the self-oscillation feedback loop,
- Up = Enable, Down = Disable

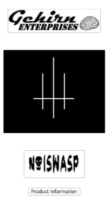
OPTIONAL CV JACKS

Top Jack: (blue LED) is a bi-polar input + output. In the most intense oscillations it will output random CV / Gate voltages. It tolerates a 0V – 15V input Bottom Jack: (red/green LED) is a CV input. Positive voltages modulate Wasp and Gate, negative voltages modulate Wasp and Tone. It tolerates +/-12V

Have questions or comments ??
Need warranty or repairs ??
Contact: info@gehirnenterprises.com



Documents / Resources

	**Gehirn ENTERPRISES NoisWasp Fuzz + Noise Maker** [pdf] User Manual NoisWasp, Fuzz Noise Maker, NoisWasp Fuzz Noise Maker