

THE RUNNER

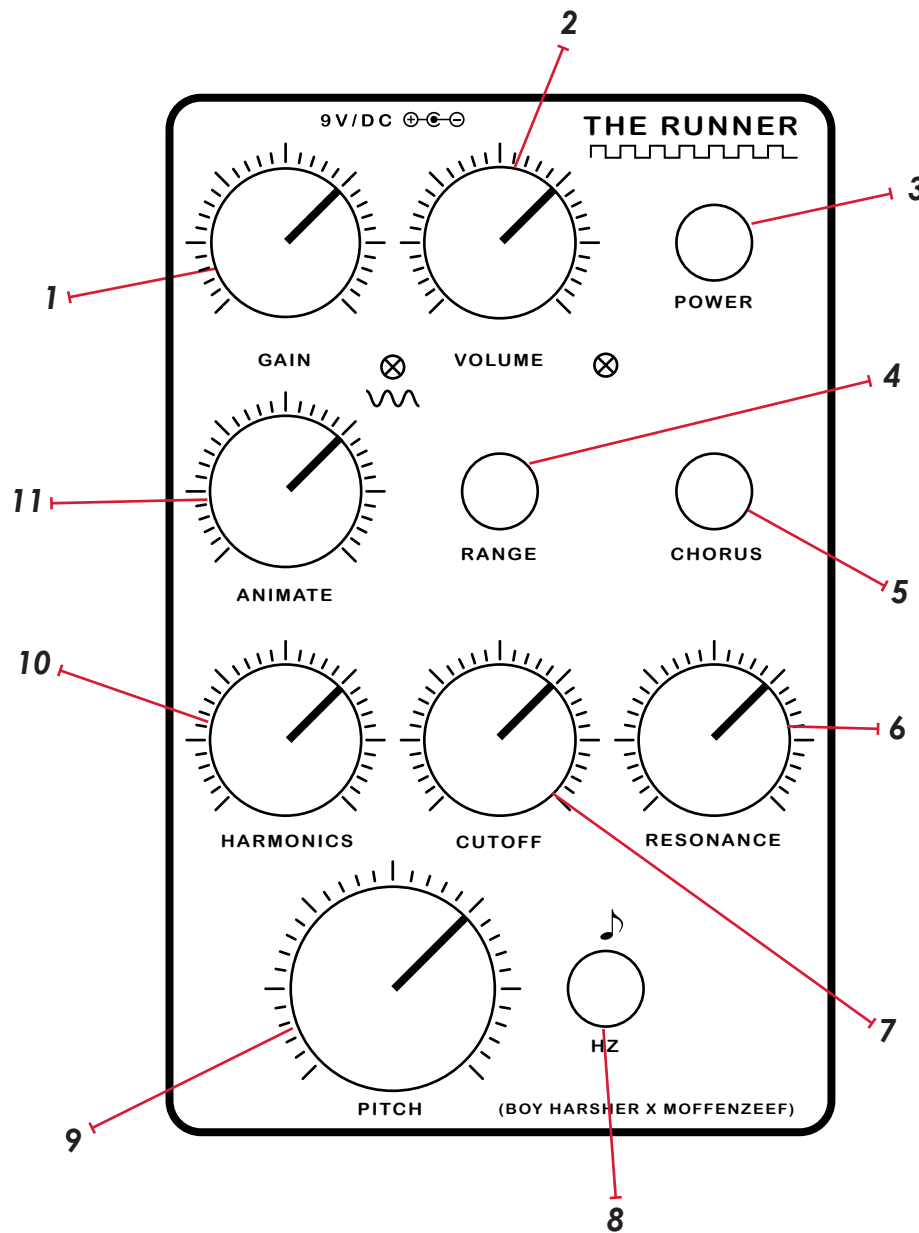
SPECIFICATIONS

THE RUNNER is powered by a “Boss style” center pin negative +9vDC power supply. This power supply is commonly used with guitar pedals. (power supply not included with purchase).

Current draw: 64ma

Output Impedance: 100k

THE RUNNER was made in collaboration with dark wave power house **BOY HARSHER**. We worked together to bring you a compact and feature rich drone synth that can cover the entire spectrum of evil drones. From sweet, mellow, chorus-rich, detuned washes to walls of brutal harsh noise, **THE RUNNER** will be sure to take you to the drone zone with little effort. We worked hard to give you a catered selection of macro controls; rather than cramming as many parameters onto the interface as possible, we carefully selected the most desirable controls for drone synthesis. Any position the knobs are in will deliver a pleasing result that will evolve and morph over time. This instrument hopefully eliminates the need for complicated setups or a deep knowledge of synthesis theory. Drone on and on till the break of dawn.



BOY HARSHER X MOFFENZEEF

1. **GAIN:** Overall gain of analog distortion circuit. 1x to 100x.

2. **VOLUME:** Overall volume. ~3v peak to peak - ~6v peak to peak.

3. **POWER:** Power switch for **THE RUNNER**.

4. **RANGE:** Speed range for **ANIMATE** knob. up = fast, down = slow.

5. **CHORUS:** Chorus on/off switch. Chorus has a fixed rate and depth.

6. **RESONANCE:** Resonance control for lowpass filter.

7. **CUTOFF:** Lowpass filter cutoff frequency. 80hz - 15khz.

8. **NOTES/HZ:** Quantize on/off for pitch of the root oscillator. Up = fixed chromatic pitches, down = free running oscillator.

9. **PITCH:** 27.5hz - 440hz when quantize is off. Musical notes A0 - A4 when quantize is engaged.

10. **HARMONICS:** **THE RUNNER** has 5 square wave oscillators that are controlled by the same pitch knob. The **HARMONICS** knob is a crossfader to mix between them all.
0-25%: Sub oscillator
25-50%: 5th above root pitch
50 - 75%: 1 octave above root pitch
75 - 100%: 2 octaves above root pitch

11. **ANIMATE:** A complex random LFO that is routed to the filter cutoff and all 5 of the oscillator's pulse width. This knob controls both the speed and depth of the LFO. The LFO will ebb and flow on its own without any human intervention. When **ANIMATE** is all the way down, the LFO is off.

For more information visit: moffenzeefmodular.com | boyharsher.com

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