

Mosphoros



Controls

- Drive: Sets the overall gain from clean lift to rich, harmonically layered overdrive.
- Bass: Shapes low-end weight while increasing the gain below 1 kHz.
- Treble: Adds upper presence and pushes the gain above 250 Hz.
- Level: Sets the overall output volume.

Effortless Motion

Built to feel fluid and dynamic. It moves from clean to saturated without sharp edges or sudden jumps. Every note keeps its integrity, growing in size and color as you push the circuit.

Alive Under Your Fingers

Its MOSFET stages shape the response gradually, creating soft curves at low gain and rich harmonic weight at higher drive levels. Bass and Treble sit in the feedback loop, shaping both tone and pressure. The result is a living circuit that follows your hands, from delicate cleans to full harmonic bloom.

Features

- LED color: Orange
- Enclosure: 125B Matte Black Sand Texture
- Knobs: DAVIES 1900H Black
- Power Supply: Regular 2.1mm center-negative 9V DC >100mA
- Power Draw: <30mA
- Dimensions: W70mm. L125mm, H60mm
- Weight: 255g
- Switching: True Bypass
- Jacks: Top Mounted

RhPf Electronics



Mosphoros

The MOSFET bringer



User Manual

<https://rhpfelectronics.com/>

Original Circuits. Unique Tone. Swiss Precision.

A Multi-Stage Engine

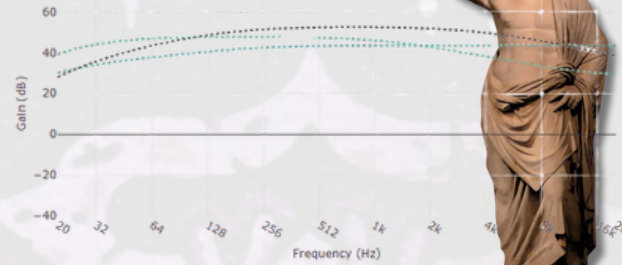
Mosphoros builds its voice through several interacting MOSFET stages. Each stage adds depth, elasticity, and harmonic growth. Instead of a single clipping point, the gain rises in layers, giving you a long, expressive sweep from clarity to saturation.

EQ That Pushes Back

Bass and Treble sit inside the feedback loop, so raising either one increases gain as well as tone. Boost Bass for depth and a rounder feel. Raise Treble for brightness and sharper attack. Each control adjusts how hard the next stages are driven, shaping both color and behaviour.

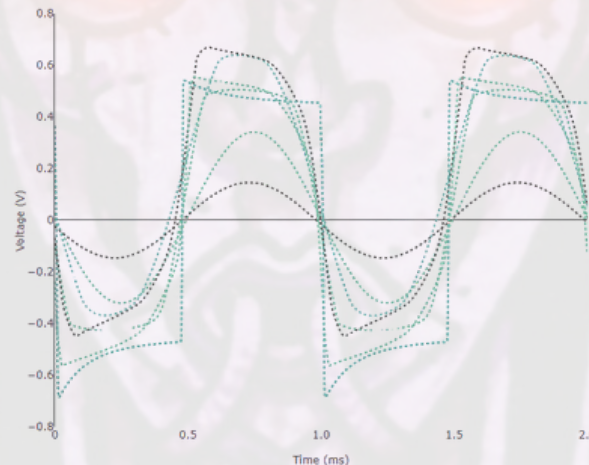
Soft to Saturated

At low drive, the circuit stays open and clean, adding lift without masking your guitar. As you push the Drive knob, the first MOSFETs start bending the waveform into soft clipping. Turn further, and the later stages add density and shape without turning harsh. The sound shifts naturally from smooth to bold.



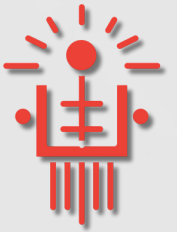
Slow Slew, Smooth Bloom

The CMOS amplifier inside Mosphoros has a naturally slow slew rate. When pushed, it bends rather than snaps. This creates the signature bloom and gentle compression that make chords feel wide, vocals warm, and single notes round without losing definition.



Wide Range, Quiet Floor

Even at full gain, Mosphoros remains remarkably quiet. Its high headroom and careful biasing keep noise low, letting the harmonic content stand out. You get clarity, sustain, and definition without hiss or harshness. Stacked or alone, it stays composed.



Your Tone, Amplified

Mosphoros does not overwrite your sound. It enhances it. It lifts detail, preserves transients, and adds controlled motion to your playing. Whether used as a subtle preamp or a full drive engine, it keeps the character of your guitar and amp untouched, only larger, warmer, and more alive.

