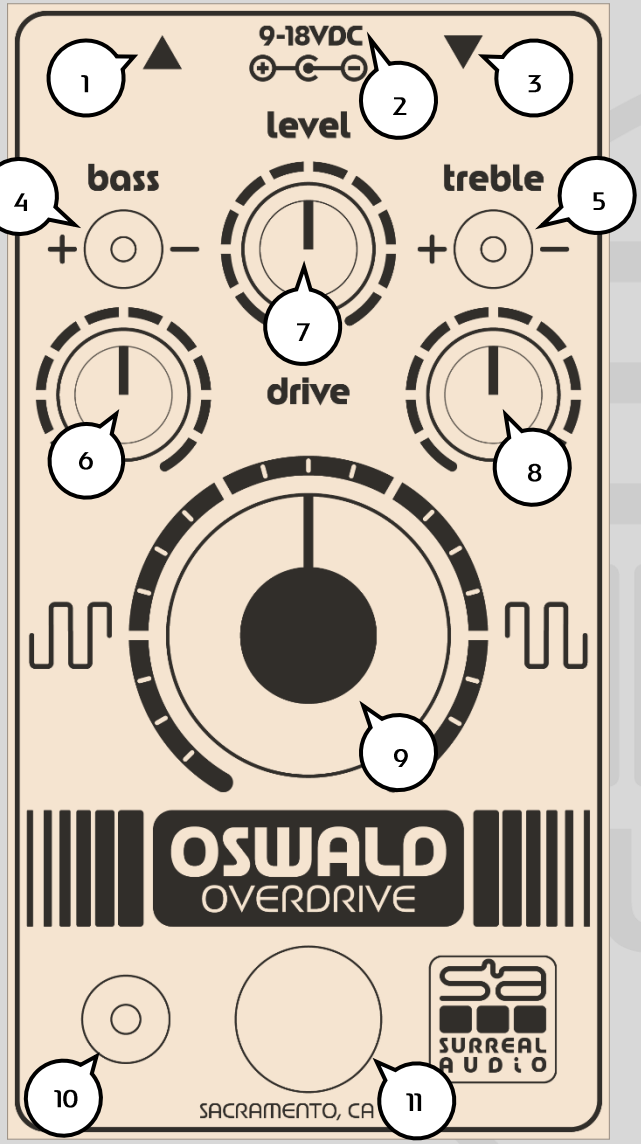

OSWALD OVERDRIVE

It's an overdrive for all your overdrive needs. Clean and crisp to loud and dirty. Soft and hard clipping.

FEATURES & CONTROLS

1. **OUTPUT JACK:** ¼" Mono, TS output connector.
2. **POWER JACK:** 9-18VDC. Center negative. 2.1mm. (Yes, it can run at 18VDC. More headroom. Try it.)
3. **INPUT JACK:** ¼" Mono, TS input connector.
4. **LOW-MID BOOST:** Toggle switch for low-mid boost centered at ~400Hz. "+" indicates on, "-" indicates off.
5. **PRESENCE BOOST:** Toggle switch for presence boost at ~2KHz-4kHz. "+" indicates on, "-" indicates off.
6. **BASS CONTROL:** Adjustable low shelf EQ. (Works great on bass too. Try it.)
7. **OUTPUT LEVEL CONTROL:** Fully isolated main output level control.
8. **TREBLE CONTROL:** Adjustable lowpass filter.
9. **GAIN CONTROL:** Gain control for soft diode clipping style overdrive.
10. **BYPASS LED:** FX ON/OFF indicator LED.
11. **FX ON/OFF SWITCH:** True bypass, momentary soft-silent footswitch. No tone suck.

A note on the circuitry: The Oswald overdrive features an unusual circuit topology. The 1st stage consists of a high impedance input buffer that doubles as a preamp with a fixed +12dß of gain and optional presence boost(5). This is fed into a slight asymmetrical clipping circuit that results in a very subtle and transparent distortion. The 2nd features a high-gain, soft diode clipping circuit accomplishing the core overdrive and coloration(9). The low-mid boost is controlled here by increasing the gain bandwidth of the amplifier(4). The 3rd stage is the tone control featuring independent low shelving(6) and high pass filters(8). The final stage is an isolated level control(7) followed by a low impedance output buffer.

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