



GERMANIUM OD

Vintage Overdrive

The Electro-Harmonix GERMANIUM OD is a classic 1960's overdrive based around a hand selected germanium transistor. To get the best results from it please set aside some time to practice in a quiet room...just you, your amp, and the Germanium OD. The interaction of each control will reward you with many different flavors of exceptional vintage overdrive.

-CONTROLS-

GAIN CONTROL – Adjusts the amount of input signal that is fed to the GERMANIUM OD. The more the knob is rotated the harder the Germanium transistor and drive components are hit.

BIAS CONTROL – Adjusts the current gain that is sent to the Germanium transistor. It works together with the voltage control to attain the over all tone. The bias control works specifically with the Germanium transistor.

VOLTS CONTROL – Allows the user to control the amount of voltage that is applied to the GERMANIUM OD. When the knob is set at full, 9volts is applied. When set at minimum 3 volts of current is applied By limiting the volts applied to the pedal a number of interesting saturations can be set up for variations in tone.

STATUS LED – When the LED is lit; the GERMANIUM OD effect is active. When the LED is off, the Germanium OD is in True Bypass Mode. The footswitch engages/disengages the effect.

INPUT Jack – Connect your instrument to the input jack. The input impedance presented at the input jack is high.

OUTPUT Jack – Connect this jack to your amplifier. This is the GERMANIUM OD output. This jack is connected directly to the Input Jack.

Footswitch-- True Bypass on and off.

9V Power Jack – The GERMANIUM OD can run off of a 9V battery or you can connect a 9VDC battery eliminator capable of delivering at least 100mA to the 9V power jack. The optional 9V power supply from Electro-Harmonix is 9.6DC-200BI (*same as used by Boss™ & Ibanez™*) 9.6 Volts DC 200mA. The battery eliminator must have a barrel connector with center negative. The battery may be left in or taken out when using an eliminator.

-OPERATING INSTRUCTIONS and HINTS-

The **BIAS KNOB**: Experiment with this control. You will notice differences in reaction as the current to the Germanium transistor varies.

The **VOLTS KNOB** should normally be set to 9 volts but as you back off between 3 'o' clock and 9 'o' clock you are lowering the number of volts applied to the germanium transistor. Totally different reactions in the sound can be obtained.

The **GAIN KNOB** is the master output volume for the GERMANIUM OD.

- POWER -

Plugging into the **INPUT** jack activates power from the internal 9-volt battery. The input cable should be removed when the unit is not in use to avoid running down the battery. If a battery eliminator is used, the Germanium OD will be powered as long as a wall-wart is plugged into the wall.

To change the 9-volt battery, you must remove the 4 screws on the bottom of the Germanium OD. Once the screws are removed, you can take off the bottom plate and change the battery. Please do not touch the circuit board while the bottom plate is off or you risk damaging a component.

