



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 Germaium 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.

- WARRANTY INFORMATION -

Please register online at <http://www.ehx.com/product-registration> or complete and return the enclosed warranty card within 10 days of purchase. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from date of purchase. This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term.

If you should need to return your unit for service within the warranty period, please contact the appropriate office listed below. Customers outside the regions listed below, please contact EHX Customer Service for information on warranty repairs at info@ehx.com or +1-718-937-8300. USA and Canadian customers: please obtain a **Return Authorization Number** (RA#) from EHX Customer Service before returning your product. Include with your returned unit: a written description of the problem as well as your name, address, telephone number, e-mail address, and RA#; and a copy of your receipt clearly showing the purchase date.

United States & Canada

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This warranty gives a purchaser specific legal rights. A purchaser may have even greater rights depending upon the laws of the jurisdiction within which the product was purchased.

To hear demos on all EHX pedals visit us on the web at **www.ehx.com**

Email us at **info@ehx.com**

- FCC COMPLIANCE -

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. If the device is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications and void the user's authority to guarantee the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.