



LOOKING GLASS

OVERDRIVE



The Looking Glass Overdrive is collaboration between DOD and the boutique pedal company SHOE Pedals. Christopher Venter of SHOE Pedals is known for his unique circuits, colorful perspective on classic effects, and minimalist design aesthetic. The collaboration between DOD and SHOE retains all of Christopher's strengths and adds in some mainstream tonal appeal with an affordable price point. I was first introduced to Christopher when he participated in an online forum collaboration for an octave fuzz in 2012. I was very impressed with the build-quality, voicing, and feature set of that fuzz (and several more after) and I knew that Christopher had a good ear and strong attention to detail. This attention to detail has culminated in the meticulously designed Looking Glass Overdrive, to create a sweet and musical drive with a character that works well for any task – Lead, rhythm, low-gain, high-gain or even as a tone-shaping boost.

A note from the designer:

"Years ago, when I was living in Brooklyn, I went on a quest to find the overdrive that worked for me. Most of these were slight variations on a few classic op-amp designs that just didn't do it for me. I tried a ridiculous number of pedals and found that I wasn't fully happy with any of them. So, having originally resolved only to make weird experimental fuzz pedals, I decided to break that rule and create a really nice overdrive that I actually wanted to play. After starting with a theory and refining it through extensive play-testing, I concocted the Savior Machine and named it after one of my favorite David Bowie songs.

When DOD approached me to collaborate on a new pedal, I was given free reign to make whatever I wanted (within reason). So, I first went back to my roots and designed a wild high gain fuzz. This sounded great, but I thought to myself that it would really be only useful for some people. I wanted to make something for ALL people. So, I decided to revisit my basic overdrive concept and re-design it with a completely different approach. The result is the Looking Glass. A super-responsive class-A FET design that, I hope will give a whole lot of players the satisfaction of feeling like their overdrive rewards their own unique playing style. It's great for blues, sure, but it's also great for hard rock, indie, experimental music, psychedelic music, shoegaze, alternative, punk, bass, etc. etc. etc. The Looking Glass is like a funhouse mirror that lets you twist and tweak your sound in every which way while still sounding like the ideal you."

-C.J.M. Venter



1. **LEVEL** - Sets the output level of the effect. It is recommended that you turn this down when switching to high gain mode to avoid any large jumps in volume.
2. **GAIN** - Controls how easily the pedal is pushed into overdrive. Because the Looking Glass rewards dynamic playing, most settings can produce a clean sound when picking lightly. The maximum level of overdrive increases as this knob is turned up.
3. **BASS CUT/TREBLE** - The **BASS CUT** knob adjusts the amount of low end content in the incoming signal (before the overdrive). It is recommended that you start by setting this control at noon and adjusting upwards or downwards to thicken or clear up the overdrive to taste. Hint: Set at maximum, this control produces a very raw sound.

The **TREBLE** knob adjusts the brightness of the pedal's overdriven sound. Hint: You may want to move this control to roughly line up with the Bass Cut control for a balanced sound. The concentric control design makes this easy to do on the fly. Or, for less neutral sounds, set the two indicators differently from one another to create the drive sound that works best for you.

4. INPUT FILTER - This is a variable filter that adjusts the tone of the input signal. To help match with brighter guitars and reduce the prominence of spikey pick attacks, turn this control more to the left. For a brighter sound with more prominent attack, turn this control all the way up. This control also will adjust the midrange content of the signal so that midrange becomes more prominent as the knob is turned more to the left.

5. HIGH/LOW - The Looking Glass offers two different overdrive modes.

The Low mode is used for clean tone shaping, light compression, and lower gain overdrive.

The High mode pickups up roughly where the Low mode leaves off by boosting the pedal and allows you to dial in Low to High gain overdrive sounds that remain highly touch sensitive all the way through the range. Note: It is recommended that you turn the Level down when switching modes to avoid loud jumps in volume and re-biasing noise as the pedal adjusts itself to the new gain setting.

6. INPUT - Connect your instrument here.

7. FOOTSWITCH - Turns the effect on and off.

8. LED - Turns on when the effect is enabled.

9. OUTPUT - Connect to the next pedal's input or to the input of your amplifier.

INTERNAL DIP SWITCHES - The Input Filter control is passive and interacts nicely with your guitar's electronics when not using a buffer in front of the Looking Glass. When using buffered pedals before the Looking Glass you may want to adjust the the left DIP (1) switch which slightly increases the input impedance of the pedal.



USING LOOKING GLASS:

Most guitarists/bassists will favor placing the Looking Glass at the beginning of their chain of effects, so start with that placement.

A typical effects signal chain will consist of Overdrive effects first then Modulation effects (Chorus, Flanger, Phaser, Tremolo, etc...) next and then finally Time based effects (Delay and Reverb).

Placing the Looking Glass toward the front of your chain or effects will preserve the vibe no matter the pedal combination that follows. That being said you are always free to experiment with different effect placements.

SPECIFICATIONS:

Input	1/4" TS Unbalanced - 260 k Ω (DIP 1 set to on) 235 k Ω (DIP 1 set to off)
Output	1/4" TS Unbalanced - 1 k Ω
Current Draw	4 mA
Bypass	True Bypass
Power	9VDC alkaline battery (not included) PS0913DC power adapter (optional)
Warranty	1 Year



DOD
59 Hwagok-ro 61gil
Gangseo-gu, Seoul 07590
Republic of Korea
support@digitech.com

COMPLIANCE & SAFETY INSTRUCTIONS



The following is indicative of low altitude use; do not use this product above 2000m.



The symbols shown above are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash with arrowpoint in an equilateral triangle means that there are dangerous voltages present within the unit. The exclamation point in an equilateral triangle indicates that it is necessary for the user to refer to the owner's manual.

These symbols warn that there are no user serviceable parts inside the unit. Do not open the unit. Do not attempt to service the unit yourself. Refer all servicing to qualified personnel. Opening the chassis for any reason will void the manufacturer's warranty. Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately and take it to a dealer for service. Disconnect the unit during storms to prevent damage.

U.K. MAINS PLUG WARNING

A molded mains plug that has been cut off from the cord is unsafe. Discard the mains plug at a suitable disposal facility.

NEVER UNDER ANY CIRCUMSTANCES SHOULD YOU INSERT A DAMAGED OR CUT MAINS PLUG INTO A 13 AMP POWER SOCKET.

Do not use the mains plug without the fuse cover in place. Replacement fuse covers can be obtained from your local retailer. Replacement fuses are 13 amps and MUST be ASTA approved to BS1362.



If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private households in the 25 member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one). For Countries not mentioned above, please contact your local authorities for a correct method of disposal. By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

WARNING FOR YOUR PROTECTION READ THE FOLLOWING:

READ THESE INSTRUCTIONS.

KEEP THESE INSTRUCTIONS.

HEED ALL WARNINGS.

FOLLOW ALL INSTRUCTIONS.

DO NOT USE THIS APPARATUS NEAR WATER.

CLEAN ONLY WITH A DRY CLOTH.

FOR INDOOR USE ONLY.

DO NOT BLOCK ANY OF THE VENTILATION OPENINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

DO NOT INSTALL NEAR ANY HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES, OR OTHER APPARATUS (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.

ONLY USE ATTACHMENTS/ACCESSORIES SPECIFIED BY THE MANUFACTURER.

UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Use only with the cart stand, tripod bracket, or table specified by the manufacture, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

POWER ON/OFF SWITCH: The Power switch used in this piece of equipment DOES NOT break the connection from the mains.

MAINS DISCONNECT: The plug shall remain readily operable. For rack-mount or installation where plug is not accessible, an all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated into the electrical installation of the rack or building.

If connected to 240V supply, a suitable CSA/UL certified power cord shall be used for this supply.

SAFETY INSTRUCTIONS

NOTICE FOR CUSTOMERS IF YOUR UNIT IS EQUIPPED WITH A POWER CORD.

WARNING: THIS APPLIANCE SHALL BE CONNECTED TO A MAINS SOCKET OUTLET WITH A PROTECTIVE EARTHING CONNECTION.

THE CORES IN THE MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

GREEN AND YELLOW – EARTH / BLUE – NEUTRAL / BROWN - LIVE

AS COLOURS OF THE CORES IN THE MAINS LEAD OF THIS APPLIANCE MAY NOT CORRESPOND WITH THE COLOURED MARKINGS IDENTIFYING THE TERMINALS IN YOUR PLUG, PROCEED AS FOLLOWS:

! THE CORE WHICH IS COLOURED GREEN AND YELLOW MUST BE CONNECTED TO THE TERMINAL IN THE PLUG MARKED WITH THE LETTER E, OR WITH THE EARTH SYMBOL, OR COLOURED GREEN, OR GREEN AND YELLOW.

! THE CORE WHICH IS COLOURED BLUE MUST BE CONNECTED TO THE TERMINAL MARKED N OR COLOURED BLACK.

! THE CORE WHICH IS COLOURED BROWN MUST BE CONNECTED TO THE TERMINAL MARKED L OR COLOURED RED.

THIS EQUIPMENT MAY REQUIRE THE USE OF A DIFFERENT LINE CORD, ATTACHMENT PLUG, OR BOTH, DEPENDING ON THE AVAILABLE POWER SOURCE AT INSTALLATION. IF THE ATTACHMENT PLUG NEEDS TO BE CHANGED, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL WHO SHOULD REFER TO THE TABLE BELOW. THE GREEN/YELLOW WIRE SHALL BE CONNECTED DIRECTLY TO THE UNITS CHASSIS.

CONDUCTOR		WIRE COLOR	
		Normal	Alt
L	LIVE	BROWN	BLACK
N	NEUTRAL	BLUE	WHITE
E	EARTH GND	GREEN/YEL	GREEN

WARNING: IF THE GROUND IS DEFEATED, CERTAIN FAULT CONDITIONS IN THE UNIT OR IN THE SYSTEM TO WHICH IT IS CONNECTED CAN RESULT IN FULL LINE VOLTAGE BETWEEN CHASSIS AND EARTH GROUND. SEVERE INJURY OR DEATH CAN THEN RESULT IF THE CHASSIS AND EARTH GROUND ARE TOUCHED SIMULTANEOUSLY.