



THE STORY

In the Fall of 2024, to celebrate the 50th Anniversary of DOD Electronics, founded in 1974 by Salt Lake City, Utah entrepreneurs John Johnson and ("Mr. DOD" himself) David O. DiFrancesco, we released the commemorative DOD 250-50th Anniversary Limited Edition of the venerable 250 Overdrive/Preamp. Honoring the original "gray 250" design and sound, which was a huge influence in the early days of the guitar effects revolution, the 250-50th edition provided exciting new functionality resulting in the most expressive and versatile model in the long and venerable series of 250 OD variants. Since production of this was limited to a total of only 1974 units, it was no surprise that the demand exceeded the supply. To satisfy guitarists who missed out on that one-time opportunity to snag an instant collectors' item, but who still yearn for the new features and killer sound of the 250-50th, we are excited to offer the same features in a standard-model at a non-limited-edition price! In case you are wondering what the "X" in "250-X" means, this is the 10th iteration of the 250 Overdrive/Preamp since its inception in the mid-1970's!

For history nerds, here's some of the back story on DOD and its recent revival. Long after its humble 1974 beginnings, the DOD brand faced a number of challenges in the latter half of its now five-decade history. Commencing in the late 1990's, key DOD engineers such as myself, Jason Lamb, and others moved on from the company, which then (regrettably) shelved the DOD brand to shift focus to DigiTech and other brands that the parent company (Harman) deemed more interesting. After well over a decade of no new DOD-branded products, in the early 20-teens Tom Cam convinced company executives to give the DOD brand another shot and created new flavors of many of the old pedals, sporting a "retro" chassis look harkening back to the mid-'70's through early-'80's designs. Although well-received in the market, shortly after this DOD revival effort, once again the company veered its attention to other core business efforts, so subsequent new DOD product development ground to a halt in the years following. Finally, in 2018, the Salt Lake City R&D office was shuttered permanently and all remaining engineers were sent packing. Fortunately (somewhat surprisingly), in 2022, Harman sold the DOD and DigiTech brands to South Korea-based Cor-Tek. Excited to "get the band back together", Cor-Tek proceeded to re-hire a core group of long-time key DOD/DigiTech engineers, resulting in the opening of a new vibrant (and cage-free) R&D center in Salt Lake City!



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It only seems fitting that this 10th iteration 250-X Overdrive/Preamp signifies a New Day and an exciting move into the sixth decade of DOD! We're glad you've come along for the ride!

Roger Johnson

Roger Johnson
VP of Engineering
16 Jun 2025

FEATURES

The 250-X features the same Gain and Level control potentiometer values and tapers as the original 250 OD, providing the familiar control knob feel and range that users have come to expect. As with the Limited Edition 250-50th, the 250-X includes the new 3-position toggle switch that not only faithfully replicates the original 250 stock "SILICON" mode but also includes two additional modes for additional versatility. The "ASYM" mode provides an entirely different asymmetrical even-harmonic distortion characteristic. The third toggle switch selection is a "LIFT" mode which eliminates diode clipping entirely from the signal path, providing a clean boost at moderate levels, or even a "dirty" boost as you drive the LM741 op-amp into clipping at higher gain settings.

The 250-X duplicates the striking industrial design of the 250-50th with its metal flake gray finish and bright yellow-green silkscreen harkening back to the vintage gray and yellow color scheme of the original, yet providing an updated look and feel that is right at home within the current DOD pedal lineup. As an added touch and attention to aesthetic detail, the color of the "neon" yellow-green status LED was precisely selected to mirror the silkscreen color. The 250-X proudly takes its rightful place in the historic DOD 250 lineup, as well as in the entire pedal universe!

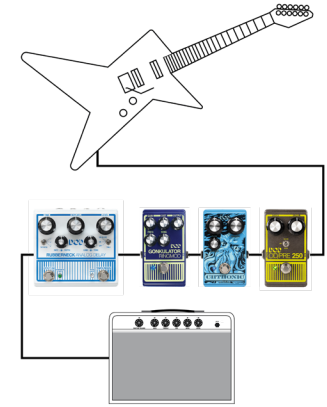
- 10th iteration of the venerable 250 Overdrive / Preamp
- The most versatile 250 ever!
- LM741 vintage-sound op-amp
- +18V tolerant circuitry
- True hard-wire bypass
- 3 distinct distortion modes:
 - Original SILICON symmetrical clipping mode
 - New ASYM asymmetrical clipping mode
 - Clean/dirty boost LIFT mode



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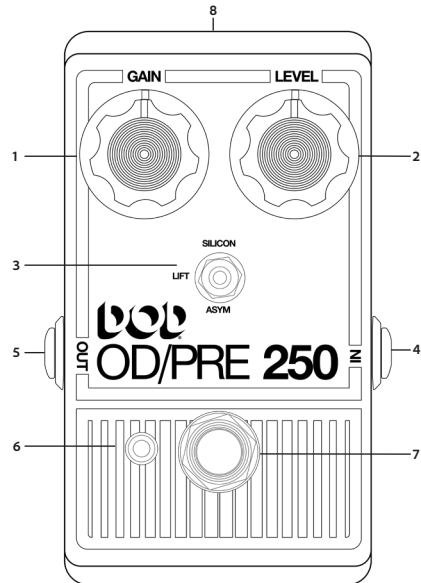
PLACEMENT OF THE 250

Most guitarists/bassists will favor placing the 250 at the beginning of their chain of effects pedals, so start with that placement. A typical effects signal chain will consist of overdrive/distortion ("dirt") effects first, followed by modulation effects (chorus, flanger, phaser), and finally longer-time-based effects (delay, reverb, etc.). Placing the 250 toward the front of your signal chain will "preserve the vibe" no matter the subsequent pedal combination, but don't be afraid to experiment with effect placement. Also, don't be afraid to experiment with "stacking" more than one "dirt" pedal – that means connecting the output of one overdrive/distortion pedal into another.



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CONTROLS & FUNCTIONS



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CONTROL DESCRIPTIONS

- Gain Control:** Controls the amount overdrive/distortion from a mild overdrive when turned to the left to full-on distortion when turned to the right.
- Level Control:** Controls the output level of the pedal from full off when turned to the left to full signal when turned to the right.
- Mode Toggle Switch:** Selects any one of three overdrive/distortion modes: 1) Up position is SILICON mode which enables the classic 250 odd-harmonic-dominant sound of symmetrical anti-parallel silicon clipping diodes; 2) Mid position is LIFT mode which eliminates all diode clipping, essentially turning the 250 into a simple boost pedal which can provide clean boost at low gains and dirty boost at higher gains; 3) Down position is ASYM mode which enables unique even-harmonic-rich sound of this asymmetrical clipping circuit topology.
- Input Connector:** Connect your instrument or the output of another pedal into this 1/4" phone jack.
- Output Connector:** Connect from this 1/4" phone jack to the input of your amplifier or to the input of another pedal.
- LED Power Indicator:** This LED lights up when the effect is on.
- Footswitch:** This True Bypass footswitch turns the effect on or off. True Bypass means the switch enables a direct hard-wire connection between input and output jacks, removing all pedal circuitry from the signal path.
- Power Supply Connector:** Connect a power supply (optional) to this 2.1mm center (tip) negative DC barrel jack. Alternatively, install a 9V battery inside by removing the 4 bottom plate screws. Note that plugging a power supply into this connector disconnects and overrides the 9V battery.

Note: The 250-X is tolerant of power supply voltages as high as +18V.

Note: When using a battery, remember to unplug the input cable when not in use! The input cable essentially acts as the battery power switch and powers the pedal only when the input cable is plugged in.



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CONTROL SETTINGS

Start with both controls at the 12:00 position – their midpoint. Then adjust to taste. If the result is too extreme, turn the Gain control to a lower setting. Adjust the Level control according to how "hot" of a signal you want to feed to the downstream pedal or amplifier. Note that you will experience different apparent volume levels between the three toggle switch Mode settings. This is normal as the clipping mechanisms between these three modes inherently result in different signal amplitudes within the pedal. All settings will be heavily dependent on the output level of your instrument, the input sensitivity and gain setting of your amplifier, and/or your playing style and preferred level of overdrive/distortion.

EXAMPLE SETTINGS



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SPECIFICATIONS

	HIGH-RAIL DIRTY BOOST	HEAVY ASYMMETRICAL OVERDRIVE
Dimensions:	4.68" (11.8cm) x 2.63" (6.9cm) x 2.25" (5.7cm) (L x W x H) (Jack W = 2.92")	0.56 lbs. (255g)
Weight:		
Input:	1/4" Instrument Phone Jack	
Input Impedance:	>300kΩ typical	
Output:	1/4" Instrument Phone Jack	
Output Impedance:	91kΩ – 27.5kΩ (based on Level control position)	
Gain:		+9.5 dB to +46.7 dB
Power Input:	2.1mm DC Barrel Jack, center (tip) negative	
Chassis:	Aluminum	
Power Supply:	9V Alkaline Battery	
	PS0913DC Power Supply	
	Other well-regulated 9V center (tip) negative supply	
	+18 V tolerant	
	7 mA typical	
Consumption:		1 year
Warranty:		
PRODUCT INFORMATION		
SKU:		DOD-250-X
SKU UPC:		8 10147 52011 4
SKU Dimensions:	4.88" (12.4cm) x 3.38" (8.6cm) x 2.55" (6.5cm) (L x W x H)	
SKU Weight:		0.68 lbs. (310g)
Designed In:		Salt Lake City, UT, USA & Seoul, South Korea



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* DECLARATION OF CONFORMITY *

This declaration has been issued under the sole responsibility of the manufacturer. The object of the declaration is in conformity with the relevant Union harmonization Legislation. For convenience, additional non-EU declarations are included within this Declaration of Conformity.

Manufacturer: DigiTech
Address: 6132 S 380 W Murray, UT 84107 USA
DigiTech Headquarters
 59 Hwagok-ro 61gil, Gangseo-gu Seoul 07590 Republic of Korea

Declares that this product

Product SKU Number: DOD250-X
Product Name: DOD 250 Overdrive/Preamp (10th Edition)
Product Options: All (requires an approved DigiTech Class II power adapter or equivalent that conforms to the requirements herein)

conforms to the following standards, specifications, and initiatives:

Safety: IEC 62368-1, 2nd & 3rd Editions
 DOD S9-1995 JL FBC
EMC: EN 55032:2015+A11:2020, Class B
 EN 55035:2017+A11:2020
 EN IEC 61000-3-2:2019+A2:2024
 EN 61000-3-3:2013+A2:2021
 EN 61000-4-2:2009
 EN IEC 61000-4-3:2020
 EN 61000-4-4:2012
 EN 61000-4-5:2014+A1:2017
 EN IEC 61000-4-6:2023
 EN IEC 61000-4-11:2020
RoHS: EN IEC 63000:2018
R&D: DOD 2023-CFEI



Supplementary information:

The product herewith complies with the requirements of the:

- Low Voltage Directive 2014/35/EU
- EMC Directive 2014/30/EU
- UK Statutory Instruments requirements, 2016 No. 1091, Electromagnetic Compatibility Regulations 2016
- RoHS Directive (EU) 2015/863, amending Annex II to Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- ErP Directive 2009/125/EC, amended by energy efficiency Directive 2012/27/EU, and ecodesign Regulation (EU) 2019/1782

Roger T. Johnson

VP of Engineering
 July 18, 2025

DigiTech
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 Murray, UT 84107
 USA

Contact: Your local DigiTech sales office, or visit the DigiTech website at www.digitech.com, or contact:

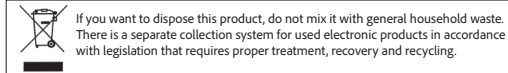
COR-TEK Corp.
 59 Hwagok-ro 61gil, Gangseo-gu Seoul 07590 Republic of Korea
support@digitech.com



These symbols are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash means that there are dangerous voltages present within the unit. The exclamation point 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.



Private household 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.

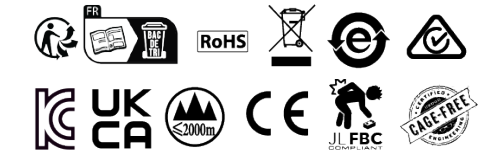
By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery, and recycling and thus prevent potential negative effects on the environment and human health.

Warning

For your protection, please read the following:

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Read all warnings.
4. Do not use this apparatus near water.
5. Clean only with dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
9. Unplug this apparatus during lightning storms or when unused for long periods of time.
10. No user serviceable parts inside. 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.
11. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
12. Refer to labels on the unit, including bottom cover, or other markings and pertinent information.



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WARRANTY & REGISTRATION

We at DigiTech® are very proud of our products and back up each one we sell with the following warranty:

1. Please register online at www.digitech.com within ten days of purchase to validate this warranty. This warranty is valid only in the United States.
2. DigiTech warrants this product, when purchased new from an authorized U.S. DigiTech/DOD dealer and used solely within the U.S., to be free from defects in materials and workmanship under normal use and service. This warranty is valid to the original purchaser only and is non-transferable.
3. DigiTech liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned to an authorized DigiTech/DOD location, where all parts and labor will be covered up to a period of one year from date of purchase. The company shall not be liable for any consequential damage as a result of the product's use in any circuit or assembly.
4. Proof-of-purchase is considered to be the responsibility of the consumer. A copy of the original purchase receipt must be provided for any warranty service.
5. DigiTech reserves the right to make changes in design, or make additions to, or improvements upon this product without incurring any obligation to install the same on products previously manufactured.
6. The consumer forfeits the benefits of this warranty if the product's main assembly has been tampered with by anyone other than a certified DigiTech technician (not including user replacement of the battery) or, if the product is used with voltages outside the range specified by DigiTech.
7. The foregoing is in lieu of all other warranties, expressed or implied, and DigiTech neither assumes nor authorizes any person to assume any obligation or liability in connection with the sale of this product. In no event shall DigiTech or its dealers be liable for special or consequential damages or from any delay in the performance of this warranty due to causes beyond their control.

NOTE: The information contained in this manual is subject to change at any time without notification. Some information contained in this manual may also be inaccurate due to undocumented changes in the product since this version of the manual was completed. The information contained in this version of the owner's manual supersedes all previous versions.



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ACCESSORIES & REPLACEMENT PARTS



ACCESSORIES & REPLACEMENT PARTS

- | | |
|-------------------------------|------------------------------------------------------|
| 1. FOOT-0000 | Rubber Stick-On Foot |
| 2. HDWR-0001 | Chrome LED Bezel w/ Hex Nut |
| 3. KNOB-0000 | Large Shiny-Spiral Knob |
| TOGGLE SWITCH HARDWARE | |
| 4. NUTT-0002 | 5/16" Hex ¼"-40 Tall Spacer Nut (inside chassis) |
| 5. WSHR-0008 | ¼" Metal Internal Tooth Lockwasher (outside chassis) |
| 6. NUTT-0005 | 5/16" Hex ¼"-40 Nut (outside chassis) |
| POTENTIOMETER HARDWARE | |
| 7. WSHR-0004 | M7 Metal Flat Washer for Potentiometers |
| 8. NUTT-0003 | 10mm Hex M7x0.75 Nut for Potentiometers |
| FOOTSWITCH HARDWARE | |
| 9. WSHR-0000 | 12mm Black Plastic Flat Washer for Footswitch |
| 10. WSHR-0005 | M12 Metal Flat Washer for Footswitch |
| 11. NUTT-0004 | 14mm Hex M12x0.75 Nut for Footswitch |
| AUDIO JACK HARDWARE | |
| 12. WSHR-0009 | Black Plastic Decorative Beveled Washer for ¼" Jacks |
| 13. NUTT-0006 | 11mm Hex Chrome Threaded Ferrule for ¼" Jacks |
| 14. SCRW-0000 | M3x0.5 x 12mm Length Screw for Bottom Plate |
| LITP-0008 | Owner's Manual (this document) hard copy |

Visit www.digitech.com to purchase any of the above replacement parts.



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ROLL THE CREDITS

CONCEPT	Tom
DEFINITION	Tom, Parker, Roger, Jim
LOOK & FEEL	Tom, Roger
DESIGN	Roger, Parker, John, Trudy
DRAFTING	Gabe, Brittany, John, Trudy
ARTWORK	Brittany, John
MANUAL	Roger, Brittany, Jay
STICKERS & PICKS	Roger, Brittany
TEST	Isaac, Roger, Bruce, Aaron
MANUFACTURING	Aaron, Eojin & Team
DEMOS	Jonni
GUITAR DESIGN	Roger
PROMOTION	Jerry Aldini
JUST BECAUSE	Fenway Spuz

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