

M-EQDRIVER

• MID BOOSTER & DRIVE •

OWNER'S MANUAL



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PLEASE READ ALL INSTRUCTIONS, PAY ATTENTION TO SAFETY WARNINGS.

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IMPORTANT:

This product is designed to be powered from a 9VDC, >80mA power supply with 2.1mm centre-negative barrel connector.



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Introducing the M-EQ DRIVER

The M-EQ DRIVER is a Mid Booster & Drive pedal, based on a vintage Pultec® studio EQ. These passive EQs from the 1950s are still sought after today, thanks to their highly musical, versatile EQ curves and the ability to overdrive their push-pull output stage. We have recreated the behaviour of this timeless, passive EQ and optimised it for electric guitar.

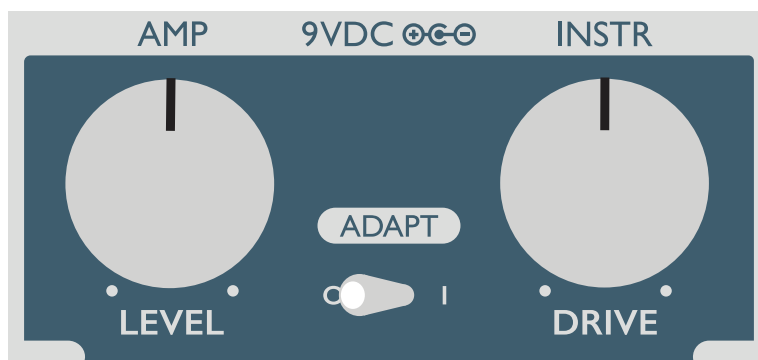
To make sure you're emphasising just the right part of your signal, the M-EQ DRIVER lets you choose between three different mid boost frequencies and, when pushed harder, can elicit a range of saturation from a classic "mid-hump" overdrive to ferocious, resonant distortion tones. Equipped with a transformer, this carefully developed circuit adds harmonic richness, while faithfully recreating the sonic footprint of an original vintage Pultec®.

To add something new to this classic design, we have equipped the M-EQ DRIVER with our Adaptive Circuitry, applied to the CUT control. Based on the High Frequency Attenuation band of a Pultec®, the CUT control progressively removes treble as it is increased. With the ADAPT switch engaged, this high-end roll-off is reduced as the pedal cleans up, allowing for a smooth transition from warm overdrive to bright clean tones by adjusting your guitar's volume knob or playing dynamics.

Key Features:

- Based on the legendary Pultec® studio EQs of the 1950s
- Choice of mid boost frequencies
- Adaptive Cut control responds to volume changes and playing dynamics
- Transformer equipped circuitry
- Valve-like push-pull output stage
- Ultra-high input impedance
- High-quality buffered bypass
- Premium components throughout
- Designed and built in England

Connecting the M-EQ DRIVER

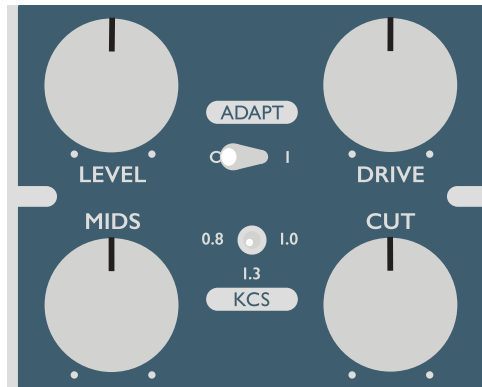


9VDC: Connect a 9VDC 2.1mm centre-negative mains power adaptor (minimum 80mA).

INSTR: Connect to your guitar.

AMP OUT: Connect to your amp or modeller.

Controls



DRIVE: Turn clockwise to increase the amount of overdrive. Lower settings should be used when boosting an amp on the edge of breakup. Higher settings are capable of generating valve-like overdrive within the pedal. Balance with the MIDS control to tweak the amount of mid-emphasis in your clean or overdriven tones.

LEVEL: Sets the output level from the pedal. Turn clockwise to push the input of your amp. Keep this control set lower when using higher DRIVE settings.

MIDS: This control increases the level of mid boost. The mid boost circuit is placed before the push-pull output stage where the overdrive is generated. This means that high MIDS levels will cause the pedal to overdrive more at the frequency being boosted.

Between fully counterclockwise and the noon position, this control gives a moderate mid boost, perfect for lead tones that jump out of the mix and for pushing an amp into natural overdrive. Above the noon position, there is a high level of mid boost. This gives a very focused, resonant tone and will push the pedal's output stage into thick overdrive.

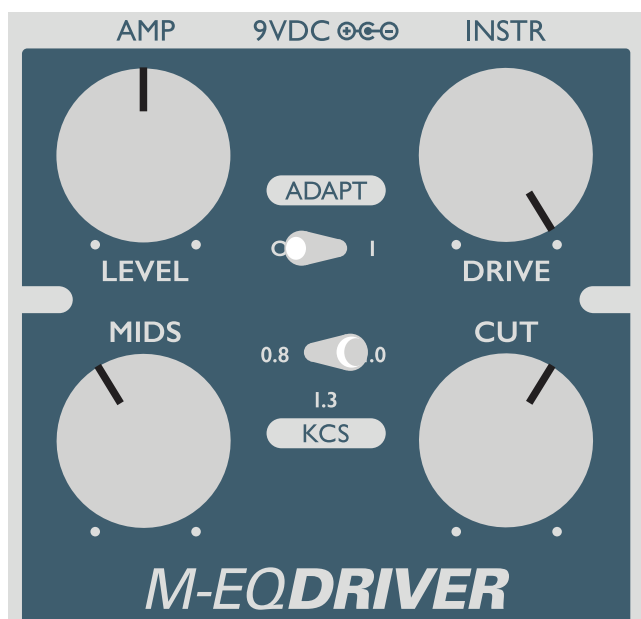
KCS SWITCH: Selects between three mid boost frequencies - 0.8, 1.0 or 1.3 Kilocycles per second (the old name for Kilohertz). The choice of different frequencies allows the M-EQ DRIVER to accurately boost the desired part of a guitar's signal, which can vary with different instruments. This can help to fatten up single coil pickups, add presence to darker guitars or create over-the-top, mid-rich drive tones.

CUT: Turn clockwise to progressively roll off more high-end. Higher settings will result in a typical warm lead tone while lower settings will give a bright, cutting tone.

ADAPT SWITCH: In position I, this engages the CUT control's Adaptive Circuitry, reducing the effect of the CUT control as the pedal cleans up from picking dynamics or guitar volume changes. This results in a smooth transition from warm overdrive to bright clean tones. In position O, the Adaptive Circuitry is disabled and the effect of the CUT control is always the same. This adaptive behaviour will be more noticeable with higher CUT settings and when the pedal is more overdriven.

Tip: To hear the ADAPT switch in action, select position I. Dial in some DRIVE, turn the CUT control up and listen to your tone. Now, roll your guitar volume down to clean up. You will hear the effect of the CUT control reduce, resulting in more treble as the tone gets cleaner.

Sample Settings



TRADITIONAL DRIVE

This classic setting pairs responsive, vintage overdrive with a moderate mid boost at 1.0 KCS. Dial in some high-end CUT for a warm and balanced tone that works well with a clean or slightly overdriven amp.



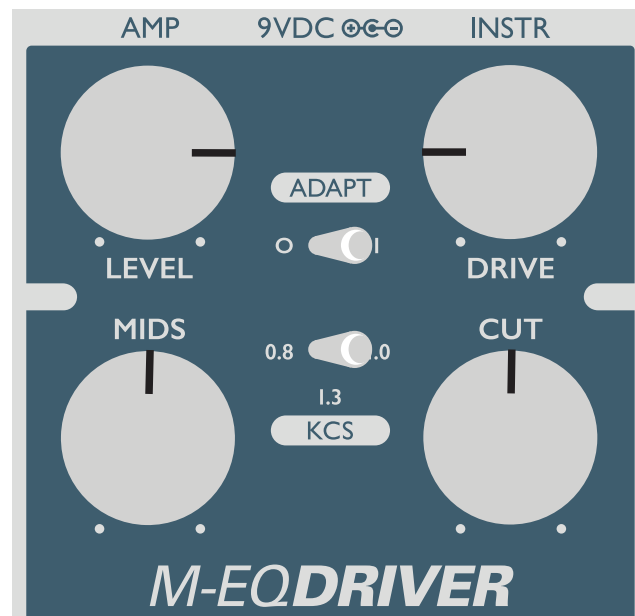
AMP DISTORTION

The push-pull output stage is capable of some very amp-like drive sounds. With plenty of high end, a presence boost at 1.3 KCS and extra dynamics from the ADAPT switch, this crunchy tone is a real all-rounder.



COCKED WAH

Explore the extremes of mid boost with this ferocious, resonant tone. A huge lift at 0.8 KCS, along with a touch of classic drive, give this stand-out lead sound a uniquely aggressive character.



CLEAN MID BOOST

Everything you need from a mid boost. Precise musical EQ, clean headroom and a tasteful treble roll-off. Perfect for pushing a valve amp from the edge of breakup into a rich solo tone.

Appendix A: Physical Specification

Measurement	Unboxed	Boxed
Weight	500g (18oz)	570g (20oz)
Length	124mm (4.8")	135mm (5.3")
Depth	64mm (2.5")	90mm (3.5")
Height	58mm (2.3")	85mm (3.3")

Appendix B: Performance Specification

Measurement	Value
Input impedance	1M Ω
Output impedance	1k Ω
Current draw	80mA
Power supply requirements	9VDC 2.1mm centre negative connector

Appendix C: Connector Pin Out

Instrument & Amplifier 1/4" TS Sockets:

Pin	Description
Tip	Signal
Sleeve	Ground

Appendix D: Safety Notices

General Safety

Keep these instructions and heed all warnings. Do not use this apparatus near water. Clean only with a dry cloth. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat. Refer all servicing to qualified service personnel.

When using an external power supply, use only attachments/accessories specified by Origin Effects. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Do not defeat the safety purpose of the polarised or grounding-type plug. A polarised 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 the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. Unplug this apparatus during lightning storms or when unused for long periods of time.



CAUTION! No user-servicable parts inside. In the event of damage to the unit service or repair must be done by qualified service personnel only.



This Product is CE compliant.



This product is UKCA compliant.

FCC Certification

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.

Appendix D: Safety Notices (continued)



The crossed out wheeled bin symbol indicates this product is classified as Waste Electrical and Electronic Equipment (WEEE) in the European Union and should not be discarded with household waste. Other territories may vary. Contact your local authority or Origin Effects for more information.

RoHS

This product conforms to the European Union's directive 2011/EU on Restrictions of Hazardous Substances (RoHS).



WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov



Evaluation of apparatus based on altitude not exceeding 2000m. There may be some potential safety hazard if the apparatus is operated at altitude exceeding 2000m.



Evaluation of apparatus based on temperate climate conditions only. There may be some potential safety hazard if the apparatus is operated in tropical climate conditions.

Appendix E: Warranty

This product is covered by a 2-year manufacturer's warranty from the date of purchase. This applies only to original purchasers who have bought their product from an authorised Origin Effects dealer or directly from Origin Effects.

All returns or servicing should be arranged through the original dealer. Proof of original ownership may be required in the form of a purchase receipt.

For full warranty details visit www.origineffects.com/warranty.