

M-EQDRIVER

• MID BOOSTER & DRIVE •

OWNER'S MANUAL



www.origineffects.com

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Origin Effects LTD
Unit 4, Top Angel, Buckingham
Buckinghamshire, MK18 1TH
United Kingdom



Contents

Safety Notices 4

Safety Instructions 5

Introducing the M-EQ Driver. 6

Connecting the M-EQ Driver. 7

Controls 7

Sample Settings. 9

Appendix A: Physical Specification 10

Appendix B: Performance Specification 10

Appendix C: Connector Pin Out. 10

Appendix D: Environmental Information 11

Appendix E: Directives & Regulations 11

Appendix F: Warranty 12

Safety Notices:

General Information:

This document contains important information for the safe operation of the product. Read and follow the safety instructions and all other guidance. Our products and documentation are subject to a process of continuous development. They are therefore subject to change. Please refer to the latest version of the documentation, which is available on our website <https://origineffects.com/manuals/>

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, stoves or other apparatus (including amplifiers) that produce heat. Refer all servicing to qualified service personnel.

**NOTICE!**

Damage may be caused to the device should it be tampered with!

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

Symbols and signal words:

In this section you will find an overview of the meaning of symbols and signal words that are used in this document.

Signal Word	Meaning
DANGER!	This combination of symbol and signal word indicates a dangerous situation that could result in serious injury or even death if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a potentially dangerous situation that could result in serious injury or even death if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a potentially dangerous situation that could result in material and/or environmental damage if it is not avoided.

Warning Symbol	Meaning
	Warning - dangerous situation

Safety Instructions:

Intended use:

This device is intended for use as effects pedal for sound processing of signals from musical instruments with electromagnetic pickups. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

Safety:



DANGER!

Risk of injury and choking hazard for children!

Children can suffocate on packaging material and small parts. Never allow children to play with packaging material or the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such as knobs, rubber feet) that children could play with.



WARNING!

Possible hearing damage due to high volumes on speakers, headphones, bass & guitar amplifiers!

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment. Over an extended period of time, even levels that seem to be uncritical can cause hearing damage. Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment and seek medical advice.



NOTICE!

Damage to device if powered incorrectly!

This product is designed to be powered from a 9VDC, >80mA power supply with 2.1mm centre-negative barrel connector. Use of an incorrectly rated power supply could result in damage to the pedal and the power supply.



NOTICE!

Possible staining due from rubber feet!

The plasticiser used in the manufacture of the rubber feet on this product may react with floor coatings and result in permanent dark stains after some time. If necessary, use a suitable mat to prevent direct contact between the device's rubber feet and the floor.

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.

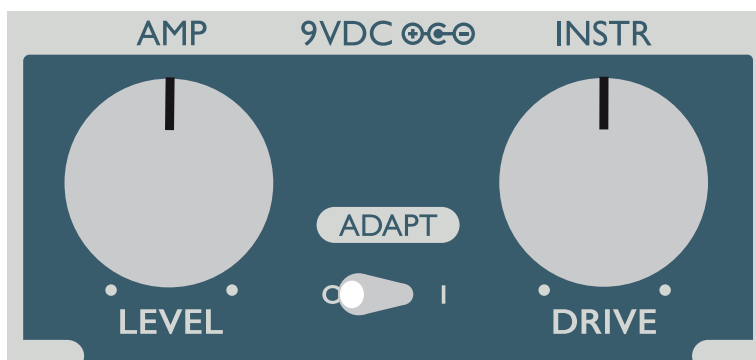
To make sure you're emphasising just the right part of your signal, the M-EQ DRIVER lets you choose between three different mid boost frequencies and, when pushed harder, can elicit a range of saturation from a classic "mid-hump" overdrive to ferocious, resonant distortion tones. Equipped with a transformer, 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).



NOTICE!

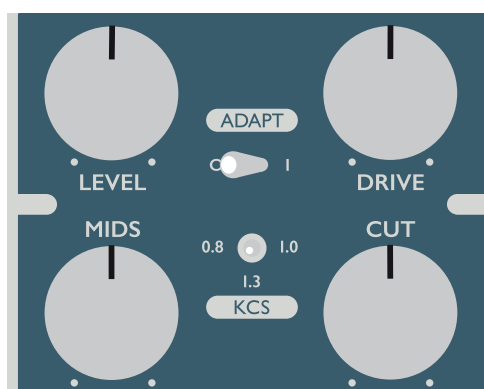
Damage to device if powered incorrectly!

This product is designed to be powered from a 9VDC, >80mA power supply with 2.1mm centre-negative barrel connector. Use of an incorrectly rated power supply could result in damage to the pedal and the power supply.

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 MID 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.

Controls (continued)

MID: 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 MID 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 over-driven amp.



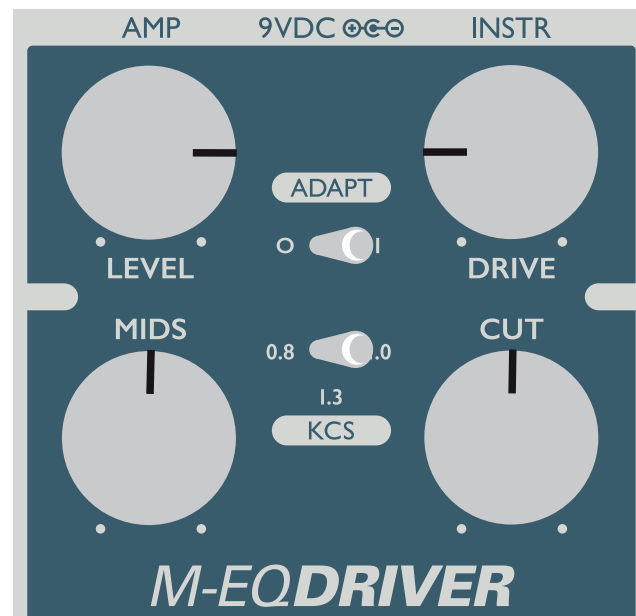
AMP DISTORTION

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: Environmental Information



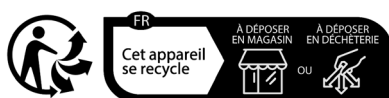
The crossed out wheeled bin symbol indicates this product is classified as Waste Electrical and Electronic Equipment (WEEE) in the European Union and should not be discarded with household waste. Other territories may vary. Contact your local authority or Origin Effects for more information.



The packing materials for this product are recyclable. Do not dispose of these materials with your normal household waste. Please refer to the symbols on the packaging for recycling information. Contact your local authority for further guidance on recycle in your region.



Les matériaux d'emballage sont recyclables.



Points de collecte sur www.quefairemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !

Appendix E: Directives & Regulations



This product complies with Electromagnetic Compatibility (EMC) directive 2014/30/EU.



Origin Effects Ltd has conformed where applicable to European Union's Directive 2011/65/EU on Restrictions of Hazardous Substances (RoHS) as well as the following sections of California law which refer to RoHS, namely sections 25214.10, 25214.10.2, and 58012, Health and Safety Code; Section 42475.2, Public Resources Code.



This equipment has been tested and found to comply with the limits for a Class B 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 F: 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.