

DELUXE61

— AMP TREMOLO & 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, >100mA power supply with 2.1mm centre-negative barrel connector.



Contents

Introducing the DELUXE61	4
Connecting the DELUXE61	5
Main Controls:	6
POST-DRIVE EQ Controls	7
Setting Your POST-DRIVE EQ	8
Sample Settings.	9
Appendix A: Physical Specification	10
Appendix B: Performance Specification	10
Appendix C: Connector Pin Out.	10
Appendix D: Safety Notices	11
Appendix E: Warranty	12

Introducing the DELUXE6 I

The DELUXE6 I is an all-analogue amp recreation which captures the thick overdrive tones and beautiful bias tremolo of the revered Fender® Brown Deluxe amp. We have gone to great lengths to recreate every detail of this iconic amplifier, bringing you the tones, feel and response of this classic combo in one industrial-grade pedal.

First released in 1961, this modest, little amp is still one of history's most sought-after guitar tones, thanks largely to its tremolo circuit. Bias tremolo is considered by many to be the most musical of all the tremolo types due to its natural, pulsating character. Because the tremolo acts on the amp's output valves, overdriven sounds will let you "play through" the tremolo. The effect disappears when you pick hard, slowly fading back in as the note dies away – you can control the tremolo effect with your picking dynamics or your guitar's volume knob!

The DELUXE6 I's circuit includes an entire push-pull output stage, complete with an output transformer and reactive load, which means this pedal's tremolo is every bit as responsive as the real thing – but with the added versatility of tap tempo and a speed multiplier switch.

With our powerful Post-Drive EQ, the warm cleans and gritty overdrive of the DELUXE6 I will always sound their best, whether it's plugged into an amp, a flat power amp or direct to a recording interface or PA.

Key Features:

All-Analogue Amp Recreation Including:

- Rich clean tones and growly overdrive voiced after the 1961 Fender® Brown Deluxe
- True bias tremolo with authentic, touch-sensitive dynamic response
- Complete valve amp-style signal path using discrete, transistor-based circuitry

Flexible, Intuitive Controls:

- Footswitch input jack for tap tempo and effects swither integration
- Powerful tone-shaping POST-DRIVE EQ

Peerless Build Quality:

- High-current, low-noise electronics
- Ultra-high input impedance
- High-quality buffered bypass
- Advanced power supply filtering and protection
- Premium components throughout
- Designed and built in England

Connecting the DELUXE6 I



9VDC: Connect a 9VDC 2.1mm centre-negative mains power adaptor (minimum 100mA).

INSTR: Connect to your guitar, bass or other instrument.

AMP OUT: Connect to your amp or power amp.

F/SWITCH: Connect to an external footswitch or effects switching system to allow control over the following:

Tap Tempo - this sets the tremolo speed remotely by sensing the time between two pulses. The tap rate will be multiplied by the setting of the MULTI toggle switch.

TREM - the tremolo enable function can be switched from the F/SWITCH jack as well as from the stomp switch, allowing recall over a range of sounds.

The F/SWITCH input is wired as follows:

CONNECTOR PIN	FUNCTION
Tip	Tap Function
Ring	Tremolo Enable
Sleeve	Ground

The Tap Tempo function can also be used by connecting a momentary footswitch via a TS jack.

Effects Switching Systems: When connecting effects switching systems such as the Boss® ES-8 or The GigRig G2 using a TRS lead, the tip should be configured for momentary operation to send tempo pulses, while the ring should be set for latching operation. Both functions are activated by shorting the respective pin to the sleeve (ground) pin.

Main Controls



ON (footswitch): Turns the pedal on and off. When the pedal is engaged, the LED will illuminate. When the tremolo is active, the LED will flash green (at the tremolo speed). When the tremolo is bypassed, the LED will light up red. Please note: as the tremolo is part of the emulated amp circuitry, it cannot be activated independently.

DRIVE: The DRIVE control behaves like the volume knob on a vintage non-master-volume guitar amplifier. Set anticlockwise for clean sounds, or turn it up for more overdrive.

TONE: Turn the TONE knob clockwise for a brighter sound. Turn anticlockwise to tame highs. True to the simple but effective tone controls found on small Fender® amps from the Tweed and Brown eras, the DRIVE and TONE controls are highly interactive. At lower DRIVE settings, the TONE knob will boost high frequencies above the 12 o'clock position and cut highs below 12 o'clock. With DRIVE pushed past 12 o'clock, the TONE control progressively loses the ability to boost until, with DRIVE at maximum, it's essentially a high cut control.

OUTPUT: The output control sets the pedal's overall output level. This control comes after the pedal's simulated valve amp circuitry, meaning that you can adjust output level without affecting the tone or character of the overdrive.

SPEED: Turn clockwise to increase the rate of the tremolo effect. The range of the SPEED control is set by the three-position MULTI switch.

INTENSITY: The INTENSITY knob controls the depth of the tremolo – in other words, how much the tremolo will vary the amplitude of the signal. Turn clockwise to increase the depth of the effect.

Main Controls (continued)

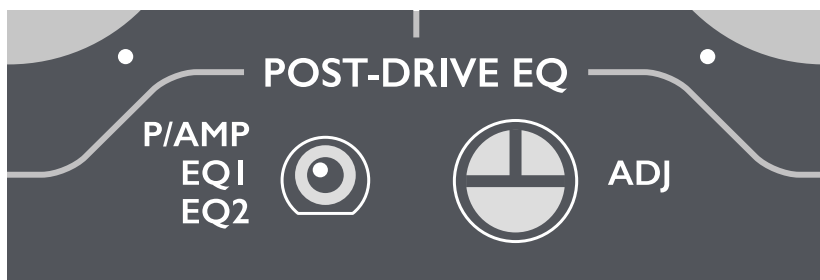
MULTI: The MULTI switch multiplies the tremolo speed set by the SPEED knob (x1, x2 or x3). This is particularly useful when using an external tap tempo footswitch, letting you set tremolo speeds much faster than your foot can tap.

SHAPE: The SHAPE switch allows you to choose between two different LFO waveforms.

SINE WAVE (up) – This is the classic bias tremolo sound – ultra-smooth, rounded and musical.

FULL WAVE (down) – This setting uses an asymmetrical waveform with a ‘choppier’ feel. This more obvious tremolo sound can be useful at slower speeds or when playing with more overdriven sounds.

POST-DRIVE EQ Controls



The **POST-DRIVE EQ** ensures compatibility with a wide range of amplifiers. Instead of altering your amp or its tone controls to suit the DELUXE6 I, set your amp for the desired clean sound then use the EQ controls to tailor the pedal’s output accordingly.

POST-DRIVE EQ switch: This switch offers a choice of three different output filters.

P/AMP: Use this setting when plugging into a flat-response power amp, mixer or recording interface. Selecting the P/AMP setting disengages the ADJ variable filter control (see below).

EQ1: Designed to suit the response of a Black Panel Fender®-style amp, EQ1 applies a low-pass filter to roll off excessive highs. Use this setting when plugging into a bright-voiced guitar amp.

EQ2: Voiced for connecting to a Marshall®-style amp, EQ2 applies a high shelf cut to gently rein in high frequencies. Use this setting when plugging into a fuller-sounding, mid-rich amp.

POST-DRIVE EQ Controls (continued)

ADJ: When EQ1 or EQ2 is selected, the ADJ knob lets you fine-tune the pedal’s output to suit the individual response of your amp and the way its controls are set. As you turn the ADJ knob counterclockwise, this proprietary filter design gradually rolls off bass and adjusts the high shelf response. The end result is a very powerful and intuitive control. If your amp sounds too bright or thin with the DELUXE6 I engaged, turn the ADJ control clockwise. If it sounds too dark and wooly, turn the ADJ control counterclockwise.

Setting Your POST-DRIVE EQ

Use the tables below to help you set up the DELUXE6 I for the first time with a new guitar amplifier or flat-response device. Working through Steps 1 and 2 allows you to “set-and-forget” the POST-DRIVE EQ controls and move on to having fun dialling in your ideal tone with the main controls.

Step 1: Set POST-DRIVE EQ switch for the connected amp or device.

AMPLIFIER OR CONNECTED DEVICE	POST-DRIVE EQ SWITCH POSITION
Power amp & guitar speaker Mixing desk & cabinet simulation Recording interface & cabbinate simulation	P/AMP
Bright, mid-scooped guitar amplifier	EQ1
Dark or mid-rich guitar amplifier	EQ2

Step 2: Fine-tune the POST-DRIVE EQ with the ADJ control*

HOW IS THE DELUXE6 I’s TONE?	ADJ CONTROL POSITION
Too bright or thin	Clockwise
Too dark or wooly	Counterclockwise
Just right!	Leave in this position and enjoy using the pedal!

*Please note: the ADJ control is not active when the POST-DRIVE EQ switch is in the P/AMP position.

Sample Settings



Dynamic Deluxe

Inspired by our original 1961 Brown Deluxe. These settings deliver a harmonically rich, dynamically responsive tone. Set the SHAPE switch to the sine position and the MULTI switch to X2 for an authentic '60s American Tremolo effect.



On the Edge

These settings lend themselves to the interactive drive tones of the DELUXE61. Vary your playing dynamics to achieve both expressive cleans and edge of breakup tones. The full-wave shape provides a less symmetrical, chopping tremolo effect.



Classic Tremolo

The DELUXE61 cleans up nicely, just like an amp! In order to achieve a clean tremolo setting, dial back the DRIVE control and compensate for any loss of volume with the OUTPUT control. These specific tremolo settings will deliver a slow, pulsating effect.



Deluxe Drive

Pure Texas blues rock overdrive. Pushing up the DRIVE control introduces a harmonically rich, driven tone that's almost fuzz-like. Recreate that 'cranked combo' feel for chewy rhythm tones and creamy leads.

Appendix A: Physical Specification

Measurement	Unboxed	Boxed
Weight	870g (30.7oz)	973g (34.3oz)
Length	147mm (5.7")	160mm (6.2")
Depth	93mm (3.6")	115mm (4.5")
Height	60mm (2.3")	95mm (3.7")

Appendix B: Performance Specification

Measurement	Value
Input impedance	1M Ω
Output impedance	1k Ω
Current draw	100mA
Power supply requirements	9VDC 2.1mm centre negative connector

Appendix C: Connector Pin Out

Footswitch 1/4" TRS socket:

Pin	Description
Tip	Tap Function
Ring	Vibe Enable
Sleeve	Ground

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.



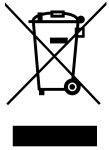
This product is UKCA compliant.

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.