

BLACK COUNTRY CUSTOMS™

HANDCRAFTED IN THE UK

THE DIFFERENCE ENGINE



STEREO DELAY

It's not what you play. It's what happens next...

Laney™

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THE DIFFERENCE ENGINE

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3 ERAS OF DELAY IN ONE POWERFUL MACHINE

The Difference Engine superbly emulates three classic eras of delay.

- ANALOGUE
- DIGITAL
- DYNAMIC

Its powerful processor then allows you to manipulate time by combining features from each era to form new and stunning unique delays.



READY LOADED

Preloaded with 50 artist patches created by the players themselves. This handcrafted and gorgeous delay engine comes ready to use without any fuss. Artists such as Tony Iommi, Lari Basilio, Vernon Reid, Tom Quayle, Martin Miller, Alex Hutchings, Pete Honore, Billy Duffy, Jack Gardiner and many more have carefully crafted bespoke delay patches to inspire your creativity. Plus there are patches in the style of EVH, Slash, Andy Summers, the Edge too.





THE DIFFERENCE ENGINE



THREE ERAS OF DELAY, INTO ONE PEDAL



ANALOGUE/TAPE ERA

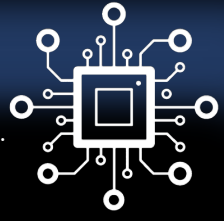
The tape echo era – modelled around the RE space echo family of delays featuring all the warmth and analogue nuances of tape.

- Warm sounding analogue tone.
- Delay times up to 1250ms.
- Straight delay from a single head.
- Multi-head delays – classic overlaid delay effect.
- Tape artifacts – WOW & FLUTTER.



DIGITAL ERA

The digital era – based on the crisp sounding digital delays of the 80's with tap tempo and freeze functions.



- Straight digital delay – 2500 MS of delay.
- Multi Tap delay.
- FREEZE.
- Modulation on repeats.
- Tap tempo.



DYNAMIC DELAY ERA

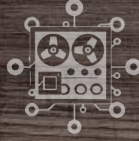
And thirdly the Dynamic Digital era – based of the power delays of the 90's with modulation and ducking features

- Based on the legendary 2290.
- Straight DUCKED digital delay, up to 2500 MS of delay.
- Modulation on repeats.
- Phase reversal on delay repeats – wrap around delays.
- Multi Tap delay.

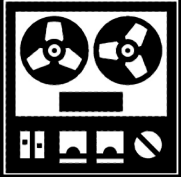




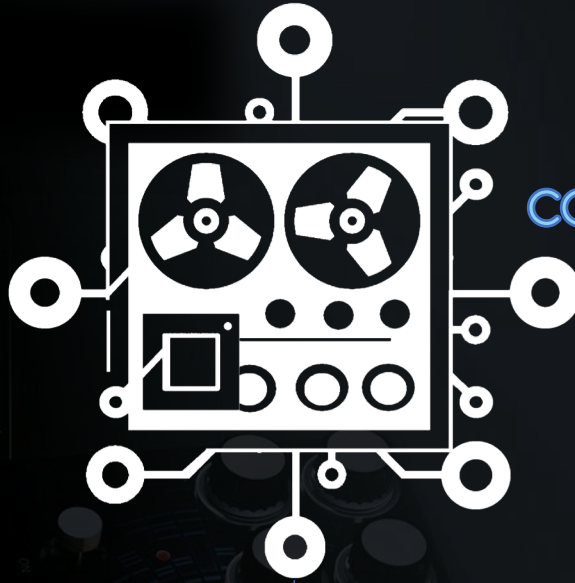
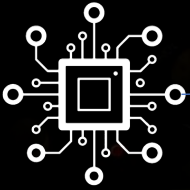
THE DIFFERENCE ENGINE



TAPE



DYNAMIC DIGITAL



COMBINED POWER

COMBINE FEATURES FROM EACH ERA TO CREATE UNIQUE DELAY TONES.





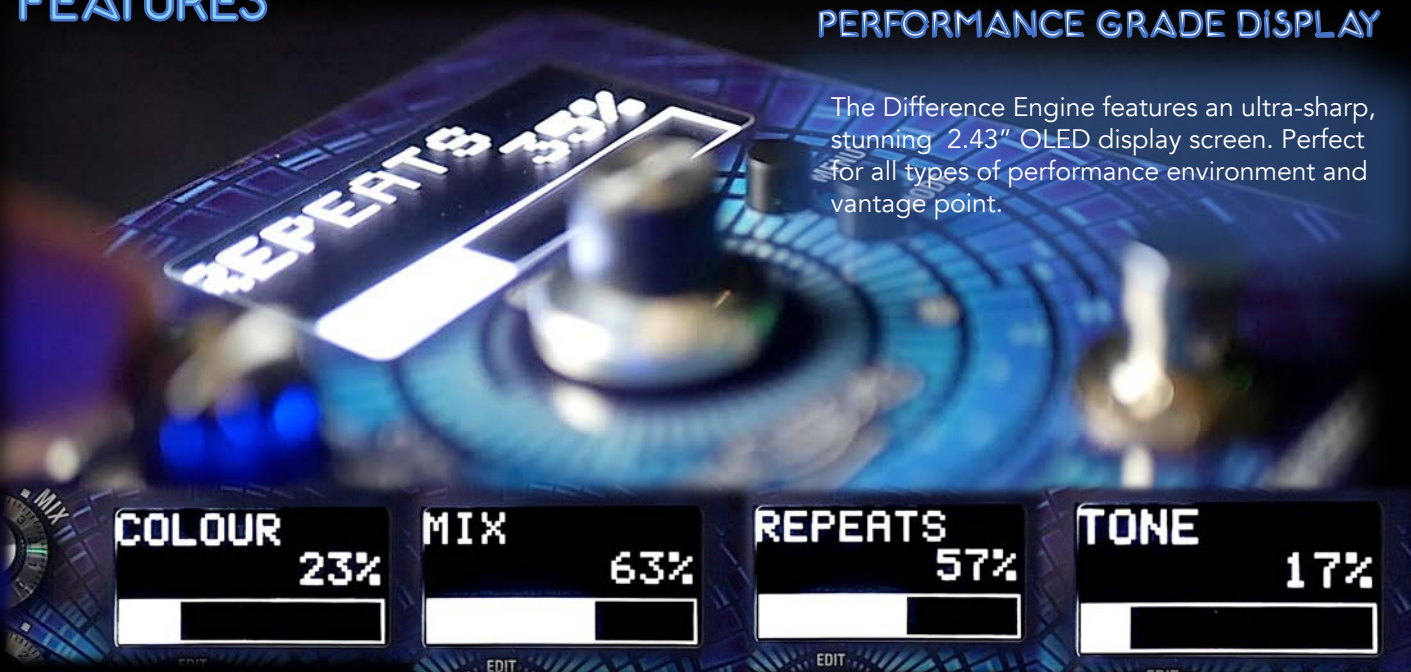
THE DIFFERENCE ENGINE



FEATURES

PERFORMANCE GRADE DISPLAY

The Difference Engine features an ultra-sharp, stunning 2.43" OLED display screen. Perfect for all types of performance environment and vantage point.



POWERFUL AND COMPACT

Handcrafted in the UK – the result of thousands of hours of painstaking research and development – The Difference Engine is feature-laden whilst also compact enough not to waste your precious pedalboard real estate.





THE DIFFERENCE ENGINE



FEATURES

TAKE CONTROL

Full featured MIDI input and output supporting both MIDI CC numbers and Program Changes.

STEREO IN AND OUT

True stereo in and out means you can use a single input to produce a stereo output or run stereo in and out.

BE EXPRESSIVE

Take control of various delay parameters in real time, with the use of an expression pedal.





THE DIFFERENCE ENGINE



SURFACE CONTROLS

Powerful functionality, beautifully expressed...



COLOUR 23%

ADD MODULATION

Controls the amount of modulation of the delay repeats.

MIX 63%

FIND THE BALANCE

Controls the overall level of the delay repeats.



TONE 17%

SHAPE THE TONE

Controls the tonality of the delay repeats.

REPEATS 57%

CONTROL THE FEEDBACK

Controls the duration of the delay repeats.



THE DIFFERENCE ENGINE



MULTI-FUNCTION ROTARY ENCODER

The Edit control lets you select the unit of values to be edited. When editing MS values press once for seconds, again for tens, again for hundreds. This makes scrolling up to long delay times very convenient.

PRESS AND ROTATE

Pressing the Edit control allows you to enter/select a parameter to be edited, rotating the Edit control to adjust the selected parameter.



THE DIFFERENCE ENGINE



Specifications

Key Features	Clear bright 2.42" OLED screen
	100 Patches (50 User/50 Preset)
	Compact design
	Tap Tempo
	Freeze function
	MIDI IN/MIDI OUT
	MIDI Parameter control
	Expression Pedal Control
	Modulation on repeats
	Tape artifacts WOW & FLUTTER
	DUCKER function
	5 routing modes – Stereo/XFB/Ping Pong/Mono & Wet Dry
	On board Compressor
	On board Noise Gate
Specifications	
Model	BCC-TDE (The Difference Engine)
FX Type	Stereo Delay
Input Impedance	1MΩ
Output Impedance:	100Ω
Power Supply	Regulated 9V DC PSU (Not Included): centre negative, 2.1x5.5x10mm connector type
Current Consumption	~90mA
Controls	Colour, Mix, Tone, Repeats, Edit/Menu/Mode, On/Bypass, Tap/Freeze
Inputs	Left, Right, Expression, Midi In.
Outputs	Left, Right (6.3mm Jack Socket)
Unit dimensions (HWD)	59 x 150 x 121 mm (2.3" x 5.9" x 4.8")
Unit weight	0.6 Kg (1.3 lbs)
Carton dimensions (HWD)	80 x 210 x 150 mm, 3.1" x 8.3" x 5.9")
Packed Weight	.93Kg, (2.1 lbs)
EAN Code (Single)	5060109457681
Master Carton Dimensions (HWD)	120 x 440 x 335 mm (4.7" x 17.3" x 13.2")
Master Shipping Carton Weight	4.2Kg, (9.3 lbs)
EAN Code (Shipping)	5060109457698