

SSL FUSION VINTAGE DRIVE

Solid State Logic
OXFORD • ENGLAND



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USER GUIDE

SSL FUSION

VINTAGE DRIVE

The SSL FUSION Vintage Drive plug-in brings SSL FUSION's **non-linear saturation circuit** to your DAW, for **added analogue console feel**.



FUSION ANALOGUE COLOUR WHAT IS SSL FUSION?

SSL FUSION is a hardware mix bus processor, delivering five powerful analogue colouration tools — Vintage Drive, Violet EQ, HF Compressor, Stereo Image enhancer, and SSL Transformer — from SSL, the Masters of Analogue.

find out more @

<https://www.solidstatellogic.com/products/fusion>

The 5 colors of SSL FUSION AKA the “Analogue Hit List”



VINTAGE DRIVE

Additional harmonics and gradual saturation that emerge from an analogue ‘sweet spot’.



VIOLET EQ

A rich analogue EQ with gentle shelving filters.



HF COMPRESSOR

Smooth top-end rounding, in the analogue domain.



STEREO IMAGE

Wider stereo imaging with depth via true Mid/Side processing.



TRANSFORMER

Add that transformer mojo.



1 I/O METERS
Segmented I/O metering, with 3s peak hold for a clear indication of peaks.

2 INPUT/OUTPUT TRIM
Applies a gain to the input/output signals.

3 BYPASS
Bypasses plug-in processing.

4 AUTO GAIN
Automatically compensates for the gain introduced by the DENSITY, DRIVE and INPUT TRIM controls.

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FUSION
ANALOGUE COLOUR

UNDO | REDO | A | B | Default Preset | ECO

5 TRI-COLOUR LED and SATURATION METER
The tri-colour LED shows how hard the circuit is being driven. For a subtle effect that works on a mix, keep the LED in the green zone as much as possible. For a more aggressive colour on instrument tracks, drive the circuit until the LED goes orange or red. The 'SATURATION' meter gives some feedback about how much distortion is being added to the signal.

6 DRIVE
Adds gain, introducing a unique, non-linear saturation to the signal.

7 DENSITY
Fine tunes the effect of the circuit. Lower values produce emphasis towards even-order harmonics.

8 MIX
Adjusts the relative blend between the processes and unprocessed signal.

VINTAGE DRIVE

SATURATION

DRIVE **DENSITY** **MIX**

See more tips and tricks on the next page.

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THE SSL PLUG-IN ENGINE

1 UNDO/REDO

Reverse a mistake, or redo it. Happy accidents can sometimes lead to great things.

2 A/B

Toggles between two presets. Useful for comparing between two parameter settings.

3 PRESET MENU

Use the arrows to cycle through presets. Click to open the Preset Menu...

LOAD *load a preset from a file*

SAVE *overwrite the current preset*

SAVE AS... *save a preset*

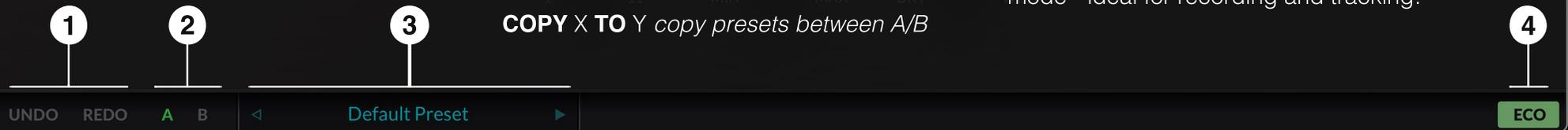
SAVE AS DEFAULT *overwrite the default*

COPY X TO Y *copy presets between A/B*

4 ECO MODE (NEW!)

If a plug-in has an 'ECO' button, this means that there's some clever DSP, such as oversampling, going on under the hood. This is why it sounds so good!

Putting the plug-in into ECO mode drops the plug-in into a reduced latency and CPU-use mode - ideal for recording and tracking!



TIPS & TRICKS

Use the **DRIVE** pot to work the circuit harder. 1 is least amount of drive, 11 is the most.

The tri-colour LED provides feedback as to how hard the circuit is being driven. It can be green, orange or red. Just like the hardware!

In the plug-in, you can additionally use the **INPUT TRIM** control to drive it even harder!

MIX + MASTER

For a **subtle effect** that works across **a whole mix or bus**, keep the **LED in the green zone** (flickers into orange are fine).

INDIVIDUAL STEMS

For **more aggressive saturation**, drive the circuit until the LED starts showing **orange**. When in the **red zone** you will notice **quite obvious distortion** which isn't desirable across a mix bus but can **work well on individual stems**.

DENSITY

Lower **DENSITY** settings produce more even-order harmonics, and settings **between 2 and 3** can help **add richness to a mix**.

Medium to higher **DENSITY** settings (**above 3**), result in less overall harmonic content but with odd-order harmonics eventually becoming more prominent.

The third harmonic is related to the **saturation/analogue clipping effect** that this circuit imparts. This can be thought of as a kind of **'soft-compression'** - peaks are rounded and the RMS (average) level is brought up. This **helps you gain some additional 'loudness'**.

Settings between **3 and 7** work well for **thickening** whole mixes.

Visit SSL at: www.solidstatelogic.com

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E&OE.