Analog Code® MicroPlug
Manual

De-Verb Plus

De-Verb Plus

Analog Code MicroPlug

Native Version (AAX, AU and VST)

Manual Version 2.0 –2/2017

This user‘s guide contains a description of the product. It in no way represents a guarantee of particular characteristics or results of use. The information in this document has been carefully compiled and verified and, unless otherwise stated or agreed upon, correctly describes the product at the time of packaging with this document.

Sound Performance Lab (SPL) continuously strives to improve its products and reserves the right to modify the product described in this manual at any time without prior notice. This document is the property of SPL and may not be copied or reproduced in any way, in part or fully, without authorization by SPL electronics GmbH.

SPL electronics GmbH
Sohlweg 80, 41372 Niederkruechten, Germany
Phone: +49 (0)2163 983 40
Fax: +49 (0)2163 983 420
E-Mail: software@spl.info
Website: www.spl.info

Contents

Plugin Alliance Activation

Your Analog Code plugin must be activated in your Plugin Alliance account. You can set it up and log into your account anytime at **http://www.plugin-alliance.com**
For details about the activation process, read the Plugin Alliance Activation Manual. The PDF file is stored in the same folder of your computer like this product manual file.
Alternatively, the following web page provides the same information: **https://www.plugin-alliance.com/tl_files/products/activation_manual.pdf**

System Requirements and Compatibility

For details about system requirements and supported platforms or formats visit **https://plugin-alliance.com/en/systemrequirements.html**

MAC and Windows Installation

1. Check for the latest plugin software version before installation: **https://plugin-alliance.com/en/products.html**
2. Execute the installer file and follow the instructions.

The Analog Code

For more than two decades, SPL of Germany has been well-known as a manufacturer of handmade analog hardware processors. Innovative processors like the Vitalizer or Transient Designer are accompanied by a complete analog range from frontend to back-end and culminate in the Mastering Series with exemplary specs thanks to SPL's proprietary 120V rails technology. While SPL's hardware has been fascinating audio professionals from home studio owners to mastering engineers in the world's most famous facilities, there has been a continuing and ever growing demand for digital (DAW) users to be able to enjoy this technology.

Our software design team has managed to transfer the class and excellence of our analog processors into the digital domain. Latest methods for high-precision modeling of our analog circuit designs now give us results beyond a pure mathematical approach.
The digital products are so amazingly close to their analog equivalents that we call them The Analog Code plugins. The Analog Code MicroPlug Series is derived from our Analog Code plugins, offering single functions or controls of plugins such as the Transient Designer. While the Transient Designer offers ATTACK and SUSTAIN controls, the De-Verb Plus MicroPlug focuses on shortening the sustain event, thus reducing the reverb portion of a signal.

Introduction

De-Verb Plus & Transient Designer Plus

The De-Verb Plus MicroPlug employs the same processing technique as the Transient Designer Plus. SPL's Differential Envelope Technology revolutionized dynamic processing with a level-independent method. And now, the De-Verb sounds more like SPL's original hardware than ever.

This radically different approach eliminates the need to set a threshold. Other parameters are set automatically and in a musical manner as they follow the characteristics of the input signal. After all, only one control is needed to reshape the reverb characteristics of a sound.

Working with De-Verb Plus ...

... is disarmingly simple: All reverb events can be reduced – regardless of their signal level. However, the possibilities for studio and live applications are seemingly endless.

Shorten the sustain period of a snare, tom or overhead without physically damping them, adjust the apparent "distance" of the microphone ... see "Applications" on pages 9 and 10 for more examples.

The De-Verb Plus MicroPlug also offers a limiter and an output gain control that allows users to compensate for level changes after processing the signal. This ensures a simple and safe adjustment of levels and helps with avoiding internal clipping. It also includes a large, photo-realistic user interface with an intuitive multi-bank system for fast comparisons, and up to 32 steps of "Undo" history.

Mouse Wheel Control

All SPL Analog Code plug-ins, including the MicroPlug Series, support mouse wheel control for rotary controls and faders. Place the mouse cursor over a rotary control and move the wheel or scroll ball of your mouse to adjust the control. Hold the CTRL (Windows) or APPLE/COMMAND key while moving the wheel or scroll ball for fine adjustments with higher control resolution.

REVERB-REDUCTION

With the REVERB-REDUCTION control you can reduce the sustain level of a signal by up to -24 dB. You can operate the control by ear actually ... for an extensive description and explanation of the possible applications please refer to “Applications” on page 9 cont.

Control Elements

OUTPUT GAIN

The OUTPUT GAIN control allows you to reduce the output signal by up to -20 dB or boost it by up to +6dB. This ensures that following devices receive an optimized level. The center position at 12-o'clock equals 0 dB output. If the OVL-LEDs keeps flashing you have to reduce the output level to avoid internal clipping.

SIG. LED

The SIG. (signal) LED indicates the presence of an audio signal. In the analog world this LED helps the operator especially in complex setups to determine immediately if the device receives any signal. In the digital domain it tells you that the channel where you inserted the plug contains a signal that is loud enough to ensure correct processing.

OVL LED

The OVL (overload) LED indicates that there is clipping. Whether the clipping is audible or not depends on the kind of audio material you are processing, and whether you have set up additional processing after the De-Verb Plus in the signal path.

You should generally avoid illuminating the OVL LED. Use the OUTPUT GAIN control to reduce the output level if the OVL LED keeps flashing.

LIMIT

Engage the LIMIT button to enable basic peak limiting on the processed signal. The limiter is applied after all the effects of the De-Verb Plus, including OUTPUT GAIN. The GR light will illuminate when the limiter is applying gain reduction.

DRY/WET

This sets the proportion of the original and the processed signal. Turn this knob fully clockwise to output only the effect of the De-Verb Plus.

The DRY/WET mix is applied after the OUTPUT GAIN and the LIMITER.

Applications

The following examples are given as suggestions and examples. The described procedures with specific instruments can of course be transferred to others which are not mentioned here.

Drums & Percussion

- Shorten the sustain period of a snare or a reverb-flag in a very musical way to obtain more transparency in the mix.
- Shorten toms or overheads without physically damping them.
- Adjust the apparent “distance” of the microphone by simply varying the REVERB-REDUCTION values.
- The De-Verb Plus MicroPlug is a perfect alternative to noise gates. The sustain period is shortened more musically than with fixed release times – within seconds a drum set is reliably free from crosstalk.
- For a solid and driving rhythm track just fine-tune the REVERB REDUCTION control to make sure that the room mic envelope ends more or less exactly on the desired upbeat or downbeat.

Guitars

- Heavy distortion also leads to very long sustain. The sound tends to become mushy; simply turn up REVERB-REDUCTION to change that.
- If you want acoustic guitars to sound more intimate and with less ambience, simply turn up REVERB-REDUCTION.

Bass: Staccato vs. Legato

Speaking of bass: Imagine a too sluggishly played bass track ... you may not have to re-record it: Apply REVERB REDUCTION until you can hear clear gaps between the downbeats—the legato will turn into a nice staccato, driving the rhythm-section forward.

Backing tracks

A common problem especially with tracks that are recorded and mixed in different studios: finding an appropriate reverb for backings takes time ... so simply adjust the original ambience with the REVERB REDUCTION control.

Mastering

Like with any good thing, you also have to know where not to use it. For example, using the De-Verb Plus MicroPlug in mastering usually is not recommended, as it is rarely a good idea to treat a whole mix at once. Instead, treat individual elements within the mix.

Toolbars

Plugin Settings Toolbar

ACTIVE (Power button)

With the ACTIVE button you can turn the De-Verb Plus on or off.

UNDO/REDO (Arrows)

Up to 32 steps of parameter history

Settings A / B / C / D

Select banks of paramter settings; use the A/B/C/D settings to copy a complex channel setting and alter it slightly for different parts of your song, for example. These settings can be automated by your DAW system, so you can jump from setting A (in the verse) to setting B (in the chorus, for example).

COPY / PASTE / RESET

Copy and Paste between setting banks, reset paramters of selected bank

Plugin Alliance Toolbar

“KEY” ICON

Opens the plugin Activation Dialog

“?” ICON

Opens a dialog thorugh which one can access the plugin’s help documentation, online product page, or any available updates.

“$” ICON (When Applicable)

If you’ve purchased your plugin using the Plugin Alliance Installment Payments option, the “$” icon, links to your account so you can make a payment on your Lease-License

De-Verb Plus

Analog Code MicroPlug

Manual

SPL – Sound Performance Lab
Sohlweg 80, 41372 Niederkrüchten, Germany

Fon: +49 (0) 21 63 9 83 40
Fax: +49 (0) 21 63 98 34 20

E-Mail: software@spl.info, Website: spl.info