

AUTOSPREAD BOX OPERATION MANUAL



BY SYNTHESCIENCE



Autospread Box Operation Manual

First of all congratulations and thank you for choosing the Autospread Box by Synthescience. We hope that you'll find this a useful plugin for your processing needs. To get the best from its features, please take some time to read this manual as it provides vital information about the plugins performance.

The Synthescience Team.

1. Introduction

If you're in need of a subtle stereo enhancement processor with rhythmic characteristics, then this is the effect for you. The Autospread Box works by applying a small amount of delay into one of the audio channels, inverts it, and then adds some modulation to achieve its distinguishable sound.

Its important to know that this effect is only intended for stereo use and will work best on audio material with no relative difference between the left and right channels (for example any unprocessed sound where the sound in the left channel is exactly the same as in the right channel as in a dual mono signal). However if you feed it with any kind of processed sound where the left channel sound content is different from that on the right channel, the resulting sound will be so subtle that could lead you to think that its not there at all, but if you happen to turn the effect on and off, you will hear the difference.

Keep in mind that this is an effects processor that works on the subtle side of things but nevertheless it can impart some interesting vibes to your sound, as so experimentation is a must. Have fun.

The Autospread Box is fully automatable and has the ability to store 32 presets. It ships with a few already pre programmed ones that will show what its all about and may be the starting point to your individual creations.

Installation procedure: Unzip the file, then copy the DLL's into your VstPlugins folder.

2. Front Panel controls



The controllers in the Autospread Box may be operated in four different ways:

Circular type controls – The grey knobs like Rate, Depth, Manual and Mix.

Vertical type controls – Beat Division (active when Sync switch is on)

Toggle controls – On/Off switch, Sync switch, Wave Invert and Wave selector switch

Click controls (only active while clicked) – The effects nameplate which shows additional information about the plugin (like plugin version and credits).

Description of controls

On - Switches the effect on when highlighted in red or off when is not

Rate - Sets the modulation rate of the autospread effect from slow to fast.
(Between 0.017 Hz to 5 Hz or 1.5 to 300 Bpm)

Led - Reacts or blinks accordingly to the set rate velocity

Sync switch – Syncs the beat of the Autospread Box to the host set tempo

Beat Division – When Sync switch is on the Speed knob is replaced by this control which allows for the Host tempo to be divided or multiplied in values ranging from T:32 (very slow) to TX16 (very fast).

Here's the values that can be selected:

(T stands for Time) T:32, 16, 8, 7, 6, 5, 4, 3, 2, 1.5, 1 ; TX1.5, 2, 3, 4, 5, 6, 7, 8, 16

Here's a picture of the Beat Division display, notice the Sync switch on.



Description of controls (continued)

Depth - Controls the Modulation depth or intensity of the Autospread effect from 0 (none) to 10 (full modulation). Notice that if Depth is set at high values it may be better to leave the Manual control at 0 for a better feel of the effect, however this is not a strict rule as you are free to try your own combinations.

Manual - With this control the user can manually adjust the spread effect to its taste. With depth control at 0, the Manual control dictates the range of separation.

Mix - Adjusts the balance between the unprocessed and processed sound or in other words the dry/wet balance, ranging from 0 (only the dry signal is heard) to 10 (The dry and wet signals are mixed in equal proportions i.e. 50/50)

Wave selector - By clicking in the waveform box it is possible to select 5 different modulation waveforms like: Sine, Triangular, Saw, Square and Random.

The first two, Sine and Triangular are recommended if you wish to obtain smooth modulations. The other three (Saw, Square and Random) are more pronounced waveforms and have a totally different effect in the overall effect sound.

Wave invert - Clicking this switch inverts the modulation waveform phase, therefore influencing the effects sound.

(About Box) - By clicking and holding the mouse arrow over the effect nameplate shows additional information about the plugin (like plugin version and credits).

3. Midi Controllers

(There is a total of 9 different midi controllers assigned to the Autospread Box plugin as shown in the below box.)

Autospread Box Midi Controller List
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10 Effect on/off
11 Rate
12 Sync to Host sw
13 Beat Division
14 Auto Depth
15 Manual
16 Mix
17 Waveform selector
18 Waveform invert switch

4. Credits and Acknowledgement

Manual by Synthescience

Graphics and Programming by Synthescience

This plugin uses software modules by Lance Putnam.

Synthescience products are developed with SynthEdit development system

By Jeff McClintock.

Vst Plugin Technology by Steinberg Media Technologies AG.

