LIMITER BOX
OPERATION MANUAL

BY SYNTHESCIENCE

Limiter Box Operation Manual

First of all congratulations and thank you for choosing the Limiter 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

The Limiter Box may be so far the simplest of our plugins, as such simplicity is the key for its functionality. It is a nice tool to use for a very specific purpose which is preventing any sound passing through it to exceed a certain set "Threshold" level this way avoiding the possibility of unwanted clipping to occur by squeezing the dynamic amplitude of the audio material.

The Limiter 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 Limiter Box may be operated in three different ways:

Circular type controls – The grey knobs like Threshold and Release
Toggle controls – Process
Click controls (only active while clicked) – The effects nameplate which shows additional information about the plugin (like plugin version and credits).

Description of controls

Threshold - The Threshold control sets the initial value for the Limiter Box to work from. All levels above the set threshold value are affected and all values below the set threshold value remain unmodified. Threshold values range from -30 to 0dB

Release - Adjusts the time it takes for the gain to return to normal, after the input signal drops below the threshold level. The Release time ranges from 1 to 2000ms.
* (Be aware that settling for short or very short release times along with short or very short threshold values may lead to some clipping or distortion of the input material, use higher release times to avoid it or leave it short if you find it useful in the context your working on)

Process – Switches the Limiter Box plugin on or off

 Led Meter indicators – The Limiter Box features independent Led meters for displaying Input signal level, Output signal level and Gain Reduction for easy monitoring of what goes in and what goes out.

(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 3 different midi controllers assigned to the Limiter Box plugin as shown in the below box.)

Limiter Box Midi Controller List
10 Threshold
11 Release time
12 Process (On - Off)

4. Credits and Acknowledgement

Manual by Synthescience
Graphics and Programming by Synthescience
This Plugin uses software modules by David Haupt
Synthescience products are developed with SynthEdit development system
By Jeff McClintock.
Vst Plugin Technology by Steinberg Media Technologies AG.

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