



WAVE BOX

USER GUIDE

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1. Wave Box

Wave Box is a dynamic waveshaper plugin that can be used for both symmetrical and asymmetrical distortion. A waveshaper is a type of distortion in which the input signal is mapped to the output by applying a fixed or variable shaping function. Wave Box features two separate waveshapers that can be mixed together while being modulated by 2 LFOs and 1 Envelope Follower. Wave Box can range from mild tube-flavoured overdrive to extreme digital harshness.

1.1 Specifications

- 2 Waveshapers
- 6 Shaping Functions
- 2 LFOs with 6 Waveforms
- Envelope Follower
- Oversample up to 16x
- Preset system with randomizer
- Formats: VST, AU, and AAX (32/64bit)
- Platforms: OSX, Windows

1.2 Installation

OSX

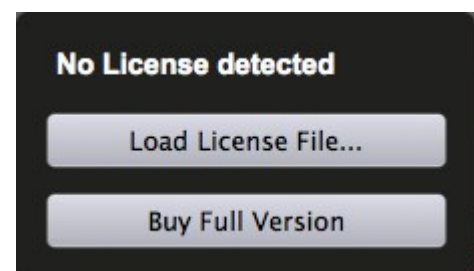
- Double click on the DMG image *AudioThing_WaveBox.dmg*
- Right click on the package *Wave Box.pkg* and click open
- Follow the instructions to install the plug-in(s)

Windows

- Extract *AudioThing_WaveBox.rar*
- Run *WaveBoxSetup.exe*
- Follow the instructions to install the plug-in(s)

1.3 Registration

To register the plugin, click on the *More* button and then choose *Registration*.
A popup window will open, click on Load License File... and locate your license file (wavebox_license.atl).



2. Parameters

2.1 Parameter List

Shaping Functions

<i>Asymmetrical</i> (\pm)	Chooses the behaviour of the shaping functions and the Bias control (see below).
<i>Function 1 & 2</i>	Choose between 6 different shaping functions (tanh, sinh, sin, linear, floor, round).
<i>Curve 1 & 2</i>	Control the amount of curve for the selected function.
<i>Bias</i>	Controls either the mix or the threshold of the shaping functions (see below).
<i>Ceiling</i>	Controls the dynamic range of the functions.

LFO 1 & 2

<i>Rate</i>	Controls the speed of the LFO.
<i>Sync</i>	Syncs the LFO to the host/DAW.
<i>Amount</i>	Controls the amount of modulation.
<i>Phase</i>	Controls the start point of the modulation waveform.
<i>Destination</i>	Chooses between 4 different destinations (Bias, Curve 1, Curve 2, Ceiling).

Envelope Follower

<i>Attack</i>	Controls the attack time of the envelope.
<i>Release</i>	Controls the release time of the envelope.
<i>Amount</i>	Controls the amount of modulation.
<i>Destination</i>	Chooses between 4 different destinations (Bias, Curve 1, Curve 2, Ceiling)

Master

<i>Input</i>	Controls the amount of input signal.
<i>Mix</i>	Controls the balance of the wet and dry signals.
<i>Output</i>	Controls the amount of output signal.
<i>Hard Clip</i>	Enables a hard clip limiter.
<i>Oversample</i>	Chooses between 4 oversample settings, avoiding aliasing (but increasing CPU usage).

2.2 Asymmetrical Mode

A waveshaper is a type of distortion where the input signal is mapped to the output by applying a fixed or variable shaping function.

When a shaping function is applied equally to both the positive and negative part of the signal (*symmetrical waveshaping*), odd harmonics are generated. Instead, when a shaping function is applied only to either the positive or the negative part (*asymmetrical waveshaping*), even harmonics are generated.

In *Asymmetrical Mode* (\pm button on), the first shaping function is applied to the positive part while the second shaping function is applied to the negative. The Bias, in this case, controls an offset added between the positive and negative part of the signal.

In *Symmetrical Mode* (\pm off), both shaping functions are applied to the whole signal. The Bias, in this case, controls the mix between the two functions.

3. Features

3.1 Randomizer

It is possible to randomize all the parameters in the interface by clicking on the Random button in the top bar.

Right-clicking on a parameter will show the Randomizer menu.



<i>Lock/Unlock Random</i>	Decides if the parameter can be randomized
<i>Lock All</i>	No parameters will be randomized
<i>Unlock All</i>	All parameters will be randomized

4. End

4.1 Credits

Programming: Carlo Castellano

Design: John Gordon (vstyler)

4.2 EULA

Please visit www.audiothing.net/eula/ to review this product EULA.

4.3 Thank You

Thank you for buying this product! We hope you will have as much fun using it as we had making this product. For help or any question, feel free to contact us here: www.audiothing.net/contact/

