



NOIR LABS

Attack

Sustain

Sens. 85.0

0.0 dB

Carver

v1.1

Setup

For any questions, bugs, feature ideas, please email support at support@noirlabs.co.

Ableton 10 and 11 supported. Must have the ability to use Max for Live.

Installation

Place the .axmd file into the Max Audio Effect folder. Wherever that folder is on your computer place it there.

Windows Vista, Windows 7, Windows 8, Windows 10

\Users\[username]\Documents\Ableton\User Library\Preset\Audio Effects\Max Audio Effect

Mac OS X

Macintosh HD/Users/[username]/Music/Ableton/User Library/Preset/Audio Effects/Max Audio Effect

When a new update is available for the plugin, the Noir Labs logo menu will flash alerting the user to download the new update from Gumroad. Additionally, you will receive an email with new update information. Updates will always be free.

Main Controls

Transient Length

Adjusts the defined transient length. Also shown as the green section in the oscilloscope.

Attack

Attack knob boosts or cuts the level of the transient.

Sustain Length

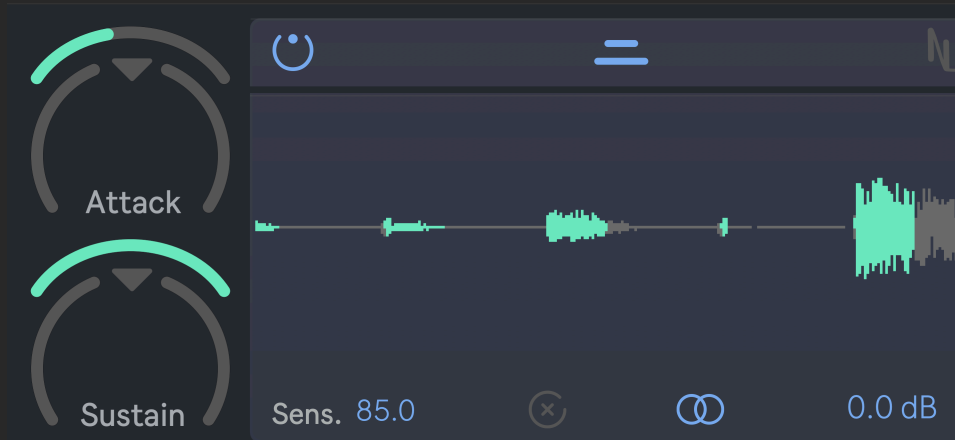
Adjusts the defined sustain length. Lower values will tighten the amount the sustain knob adjusts. Higher values will allow for a more gradual decrease or increase in sustain.

Sustain

Sustain knob increases or lowers the sustain volume of the input.

Bypass

Toggling the bypass button will toggle between the pre affected signal and the post affected signal while maintaining gain matched levels.



Sensitivity

Adjusts the transient detection sensitivity. This does not work like a threshold control, rather lower percentages make the detection less sensitive to smaller hits. Higher percentages make the detection pick up more dynamic hits.

The Transient Listening button has been moved to the sensitivity pop up menu.

Noir Labs Menu

Opens the Noir Labs menu. This button will also flash green when a new update is present.

Waveform

Shows the audio being processed in real time.

Attack and Decay Curve Menu



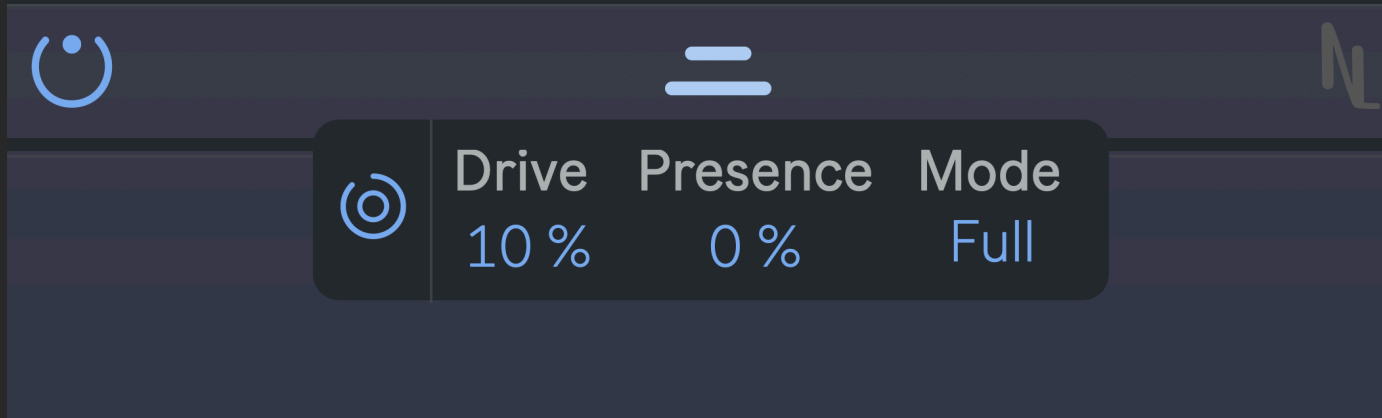
Clicking the dropdown menu opens the attack and decay curve selector. The different modes give a different feel to the transient shaping.

Natural - Boosts the transient in a way that feels most cohesive to the original sound

Punchy - A shorter smoothing of the input shaping allowing for a slightly punchier feel.

Classic - The original mode from Carver version 1.

Drive Menu



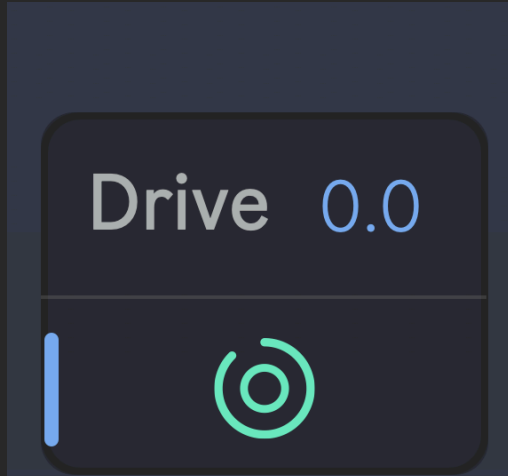
Allows the input signal to be distorted for character. This can be useful for increased the perceived volume of the sound without changing the LUFS level.

Mode

- **Full** - Drives and distorts the entire sound.
- **Transient** - Drives and distorts just the transients leaving everything else clean.
- **Body** - Drives and distorts everything but but transients, leaving them clean.

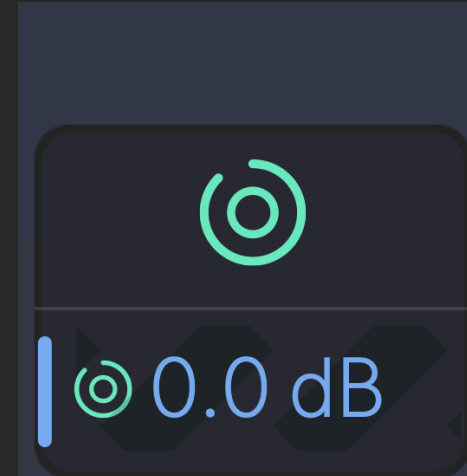
Presence is a subtle high end distortion to bring out the brightness and presence of the input. *Note that the presence control will be inactive until the drive slider is greater than 0%.*

Input & Output Clipper



Input Clip allows the input signal to be clipped without affecting the detection of transients. The drive control boosts the input signal going into the clipper for a more distorted sound or to shave off peaks. Drive can boost up to 30db.

To activate clipping press the icon.



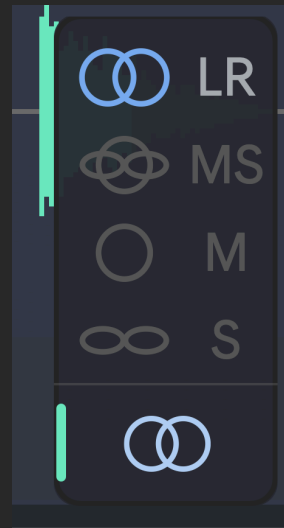
The output can also be clipped separately from the input to prevent the signal from going above 0 db.

When output clipping is active a small icon will appear next to the output volume to show that clipping is active even when outside of the menu.

The clipper inside of Carver has been specially designed to be as transparent as possible. Additionally it utilizes high-order antialiasing filters to prevent unwanted aliasing without having to oversample.

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Stereo Mode



Carver can also switch the processing mode between the Stereo, Mid/Side, Mid and Side signal.

Change Log

v1.1

- New attack and decay curves; Natural, Punchy and Classic;
- New input clipper and output clipper with two different types of clipping.
- Input clipper has a gain staged drive into it for clipping without affecting transient detection.
- Anti alias filters to prevent aliasing without oversampling.
- New distortion mode to choose between distorting the whole input, **just** the transient or **just** the body of the sound. Additionally a presence control has been added that acts similar to a transient driven EQ control to subtly boost the high end of a sound
- Can now choose between processing in Stereo, Mid/Side, Mid, and Side.
- Transient detection is no longer semi-level dependent, will detect transients at near silence with equal accuracy to full loudness
- Slight UI updates to make things easier to use and read
- All control are now midi mappable and automation enabled
- Major CPU optimizations reducing the overall usage significantly