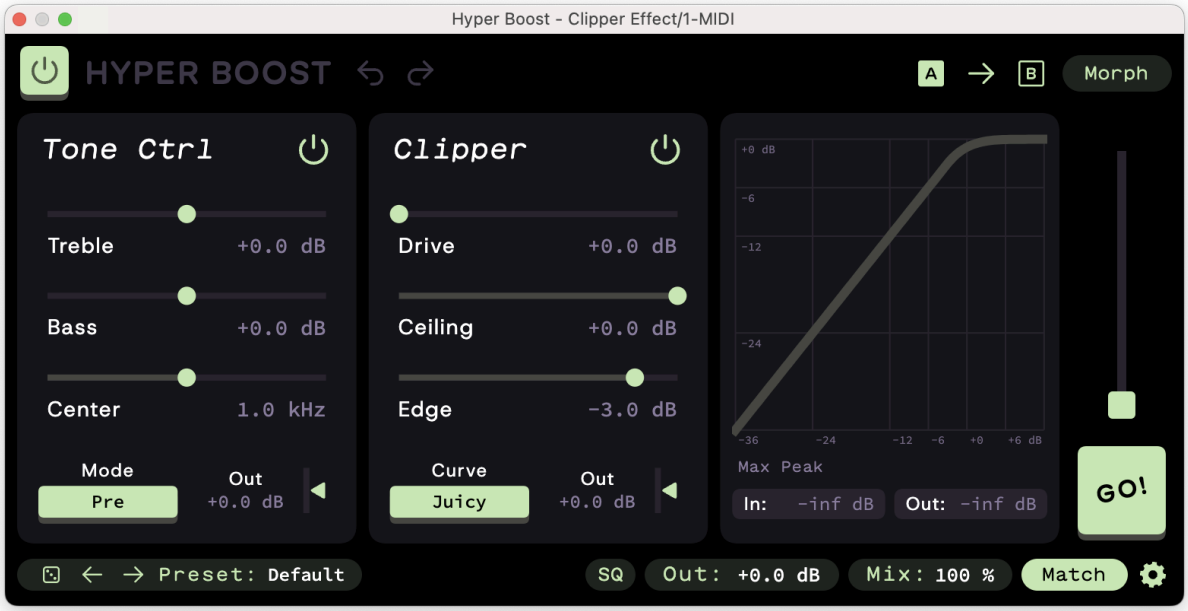
Hyper Boost

User Guide, 2.0.x



Introduction

Hyper Boost combines a simple two-band tone control with a flexible clipper module. You can use it subtly to make things a little easier for your limiter, or hit it hard for a creative saturation effect.

Hyper Boost is an audio effect plug-in for macOS, Windows, and iOS. It is available in the AAX, AUv2, AUv3, CLAP, and VST3 formats.

Installation

Download the installer from sketchaudio.com and run it. You can choose which formats you want to install. Our installers place the plug-ins at the standard system directory for each plug-in format.

To uninstall a plug-in, just delete it from the system directory and remove the user data folder.

AAX

macOS: `/Library/Application Support/Avid/Audio/Plug-Ins/`
Windows: `C:\Program Files\Common Files\Avid\Audio\Plug-Ins\`

AUv2

macOS: `/Library/Audio/Plug-Ins/Components/`

AUv3

Your AUv3 plug-in is bundled inside the app. Your DAW will find it automatically.
macOS: `/Applications/`

CLAP

macOS: `/Library/Audio/Plug-Ins/CLAP/`
Windows: `C:\Program Files\Common Files\CLAP\`

VST3

macOS: `/Library/Audio/Plug-Ins/VST3/`
Windows: `C:\Program Files\Common Files\VST3\`

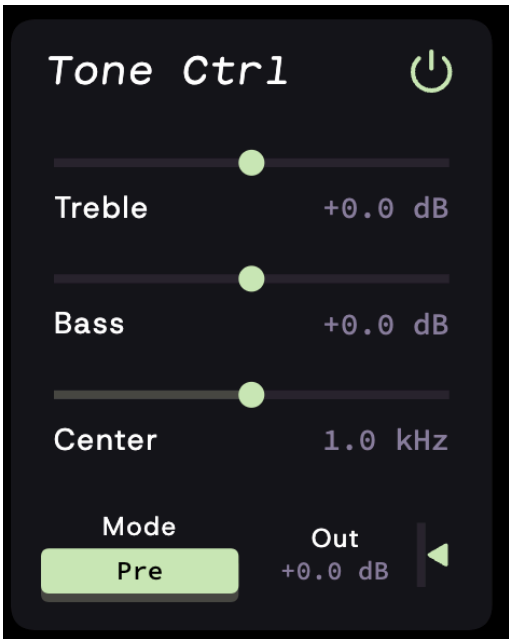
The VST3 installer also places factory presets in a special folder so they appear in your DAW.
macOS: `/Library/Audio/Presets/Sketch Audio/`
Windows: `C:\ProgramData\VST3 Presets\Sketch Audio\`
Folder: `Hyper Boost - Clipper Effect`

User Data

License file, user presets, preferences, etc.
macOS: `~/Library/Application Support/Sketch Audio/`
Windows: `C:\Users\{YOUR_USER_NAME}\AppData\Roaming\Sketch Audio\`
Folder: `Hyper Boost`

Modules

Tone Control



Treble: Boosts or attenuates the treble frequencies.

Bass: Boosts or attenuates the bass frequencies.

Center: Sets the frequency that separates the treble and bass frequencies; i.e., the treble control adjusts the frequencies above the *center frequency* and the bass control adjusts the frequencies below.

Mode: Sets the tone control's placement in the signal chain.

> **Pre:** EQ before clipper.
>
> **Post:** EQ after clipper.
>
> **Emphasis:** EQ before *and* after clipper, but the second EQ has opposite settings. Useful to emphasize the saturation on a particular frequency band, while still maintaining a flat response overall.

Out: Tone control output gain stage.

Clipper

Drive: Sets the level of the signal going into the clipper.

Ceiling: Sets the maximum level output by the clipper (before output gain is applied).

⚠️ Note that the observed peak values at the output may be different from what is set by the Ceiling and Out controls if the plug-in is in HQ mode or using the Tone Control in post/emphasis mode.

Edge: Sets the level *below the ceiling* where the clipper nonlinearity begins. When set to 0 dB, the clipper functions as a hard clipper. Pulling down edge turns the clipper into a soft clipper and it will start to add saturation even if the peaks aren't hitting the ceiling.

Curve: Sets the clipping algorithm.

Juicy: An exact reproduction of a desktop favorite, exponential curve.

Tight: Adapted from a classic soft-knee limiter design, low-order polynomial.

Hardest: A custom, high-order polynomial. Loud and brash, think old hardware!

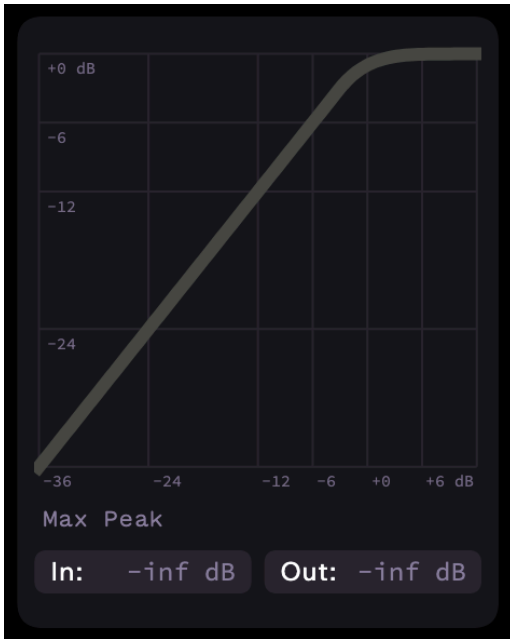
Out: Clipper output gain stage.

Visualizer

The clipping curve is visualized in real time. The x-axis represents the input to the clipper in decibels and the y-axis represents the output.

Below the graph you see the maximum peak values in and out of the clipper since the last reset. Click/tap to reset.

⚠️ Note that the Max Peak values may not exactly match values observed outside the plug-in if the plug-in is in HQ mode or using the Tone Control in post/emphasis mode.



Common Features

General Usage

Adjust a control's value by dragging *anywhere* inside the control's general region.

Fine-adjust a control's value by holding the shift key while you drag.

Restore the last-loaded preset value by double clicking on the control.

To restore a default value, right click and select the "Restore Default" option.

To type in a value, right click and select the "Enter Value" option.

To see a brief description of what a control does, hover (desktop) or long press and select the "Enter Value" option (iOS).

Top Bar

Bypass Button: Globally enables or disables the plug-in's processing.

Undo & Redo Buttons: Our plug-ins have their own undo/redo stack. Only user actions are recorded into the undo/redo stack. The undo button restores the state before the most recent user interaction. The redo button restores the state before the most recent undo.

AB Settings Buttons: Toggles between two sets of plug-in settings. Use the "A" and "B" buttons to select which set is *active*. Tap the arrow to copy settings from the *active* to the *non-active* settings. This operates independently from the Morph Settings feature, and morph values are not changed by using the AB settings.

Morph Button: Toggles Morph Edit mode off and on. Also displays Morph Actions (right click on macOS). For a full guide to the Morph Settings feature, see here: [Manuals – Sketch Audio]

Side Bar

Morph Slider: Transitions between the current parameter values and the morph values. Can be set to the left side of the plug-in in the settings menu.

GO! Button: Immediately sets the Morph Slider to the top position. Useful for a quick cut to the morph values. Momentary by default, can be set to latch mode in the settings menu.

Bottom Bar

Preset Menu: Displays the name of the current preset (with a “*” if the preset is modified). Tap the preset name to display the presets menu. The die button changes to a random factory preset. The L/R arrows cycle through the presets.

Quality Mode: Toggles between the *Standard* and *High* quality modes. High quality mode enables oversampling plus additional advanced anti-aliasing techniques where relevant. Read more about our quality modes on our blog.

Out: Sets the global output gain of the plug-in (pre-mix). Useful for output level matching in conjunction with Match Gain (see below).

Mix: Sets the global dry/wet for the effect.

Match Gain: Sets the Out gain such that the perceived input and output levels match. Match Gain uses the signal’s K-weighted RMS value with a 400 ms integration time to estimate perceived loudness. This means the Match Gain value will vary somewhat depending on when you tap the button.

Settings Button: Shows the settings menu.

Menu

Auto Bypass: When enabled, automatically bypasses the plug-in’s processing when the input is silent. Saves with preset.

Auto Gain: When enabled, automatically changes a *module’s* output gain by the opposite amount of the input gain or drive change.

Presets

Save Preset Button: Saves a user preset. Your user presets are synced across all your devices. To save to a user-selected location, see *Swipe Actions*.

Import Preset Button: Imports a user preset from a user-selected location.

User Presets: Right-click on a user preset to share or delete it.