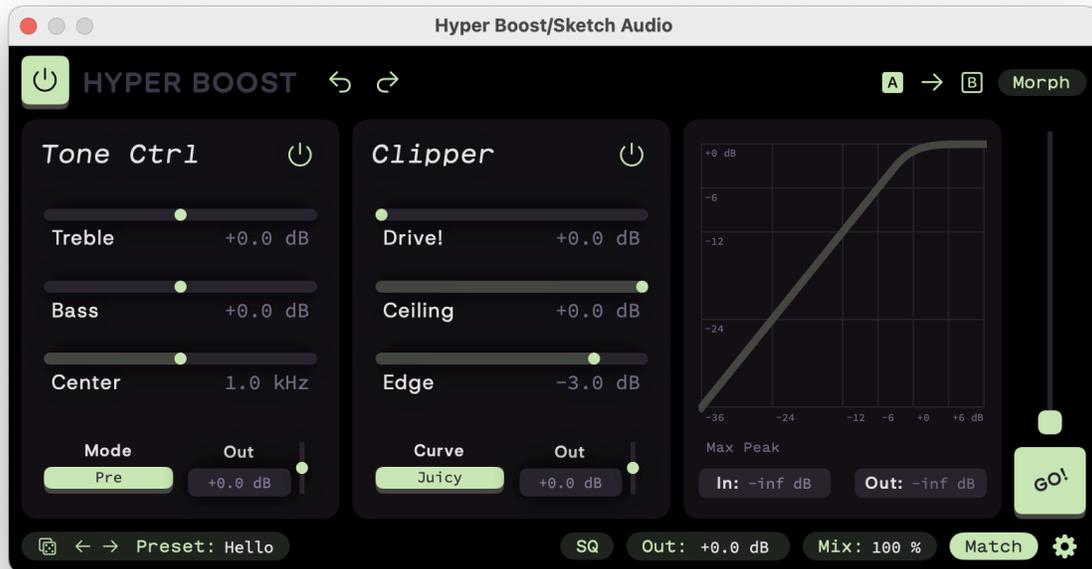


Hyper Boost

User Guide, 1.5.x



Introduction

Hyper Boost combines a simple two-band tone control with a flexible clipper module. The tone control comes with two extremely gentle shelf filters that you can use for broad-strokes tone shaping and late-stage fine adjustments alike. The clipper is a simple, yet powerful tool for all stages of the music making process. 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 and iOS and is available in the AUV3, CLAP, and VST3 formats. It can be downloaded through the Apple App Store. The CLAP and VST3 formats require a quick installation from the standalone app which you can see here:

[▶ How to Install Your CLAP Plug-In](#)

[▶ How to Install Your VST3 Plug-In](#)

Modules

Tone Control

Treble: Boosts or attenuates the treble frequencies.

Bass: Boosts or attenuates the bass frequencies.

Center Frequency: 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.

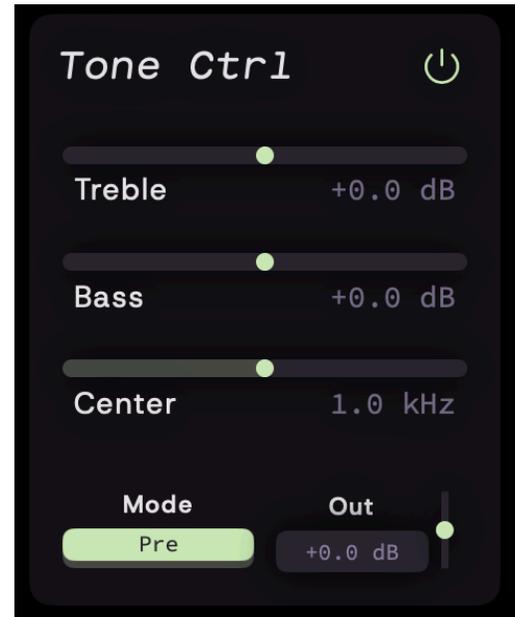
Mode: Sets the tone control's placement in the signal chain.

Pre: EQ before clipper.

Post: EQ after clipper.

Emphasis: EQ before *and* after clipper, but the second EQ has the 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 (macOS only).

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

To restore a default value, right click (macOS) or long press (iOS) and select the "Restore Default" option.

To type in a value, right click (macOS) or long press (iOS) and select the "Enter Value" option.

To see a brief description of what a control does, hover (macOS) 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 dice button changes to a random factory preset. The L/R arrows cycle through the current bank of 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 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.

Share All User Presets Button: Saves all the presets in the user bank to a user-selected location.

Delete All User Presets Button: Deletes all the presets in the user bank.

Swipe Actions: Swipe left on a user preset to reveal the *share* and *delete* actions. The share action lets you save to a user-selected location. You can also right-click to access these actions.