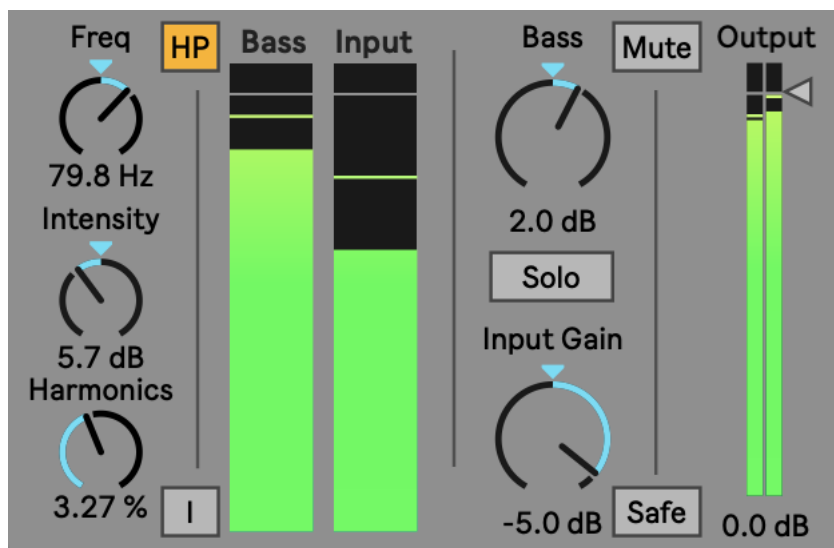# The Maxxie

Overview

is an audio plugin that enhances the sub / low-end frequencies of a signal. This enhances the preexisting signals low end. Use the Intensity dial and control low frequencies and add bass harmonics to fatten up the signal.

Quick Start: First, loop an audio selection so there is some consistency in the input. Then turn the delta on. This focuses on hearing what is going to be added. There are two algorithms for generating extra bass frequencies: the difference is the adding of harmonics and the compressor/limiter order flip. This can be seen in the order of the dials. The signal path goes from top to bottom. Once you have a good idea what The Maxx is doing de-select the delta and between the Bass, Input and Output gain dials you can fine tune the signal. After a while you get an idea of at the Bass level and balancing that with the Output stage. It's a balancing act to get the most volume out of the signal while getting deep full bass.

I hope this comes in handy. Enjoy!

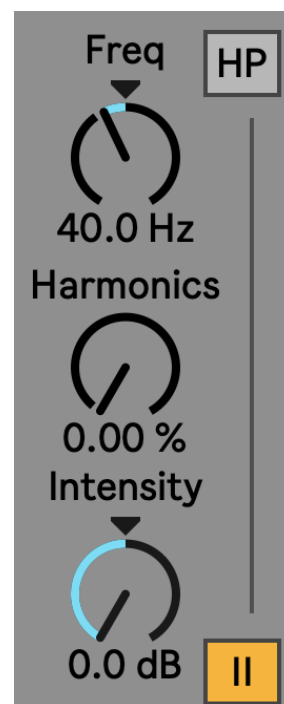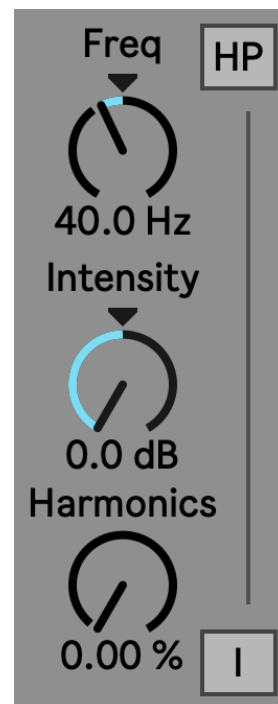# Section One: Bass Enhancer Stage

Frequency - This controls the frequency area that will be enhanced. The range is 20 Hz to 200 Hz

HP - This adds a high pass filter to the bass frequencies to create tightness and cleans up a little 'mud' in the lowend. This starts at half the assigned frequency.

Intensity - This controls the 'strength' of the bass sound. This is a compressor / limiter module that helps control the low end and volume spikes. There is up to 40 dB of levelling.

Harmonics - This controls the generation of harmonics that add to the depth and definition of the low end. Turning the dial up to 100% increases the amount of harmonics.

I / II – This selects between the 2 algorithms. I has the harmonics last in the chain and II has the compressor/limiter last. I has a controlled sound and II has a deeper tone.

Section Two: Mixing Stage

Bass Gain - This dial controls the gain of the bass frequencies being created. +/- 24dB.

Mute – Mutes the added bass signal.

Solo - Enables just hearing the generated bass signal.

Input Gain - This dial controls the gain of the inputed signal. This dial will update if 'safe' mode is on.

Safe / Off – This is a simple gain correction device that lowers the output of the Input dial if the signal gets too loud (pass -0.1 dB).

Output – This is the final stage of the plugin and controls the master output gain of both prior output dials.