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BLAMCO PROGRAM EQUALIZER

1.0.0 User Manual

Overview

Blamco Program Equalizer is a classic low and high frequency parametric equalizer for vintage tone adjustment. The circuit for this EQ is has become legendary for its ability to improve a mix with minimal effort. The algorithm for the device features a true circuit simulator, giving you the exact filtering characteristics. A unique aspect of passive EQs is the interaction between the filter sections, which is fully modeled in the plug-in as one schematic. A special capability of Blamco Program Equalizer is its drive, that can be used for adjustable warmth or dialed up for authentic growl. Easily boost or attenuate lows or highs in a musical way, or experiment with both boosting and attenuating at the same time for more complex filtering. Legendary devices like the vintage program equalizer remain essential for the professional mixing engineer as well as the home studio producer.

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Low End Controls

The low end section allows you to control the lows at various frequencies in the spectrum.

• CPS - Cycles Per Second is the classic name for frequency before the standard name became Hertz. This selector switch controls the cutoff point of the low end in Hz.
• Boost - This continuous knob is used for boosting the frequency content of the low end.
• Atten - This continuous knob is used for attenuating the frequency content of the low end, in other words, less low end as the knob is turned up.
• Note - The boost and attenuation frequencies are not the same, so they do not cancel each other out. It can result in interesting dips in the mid-range when both are used.

Boost

Atten

CPS
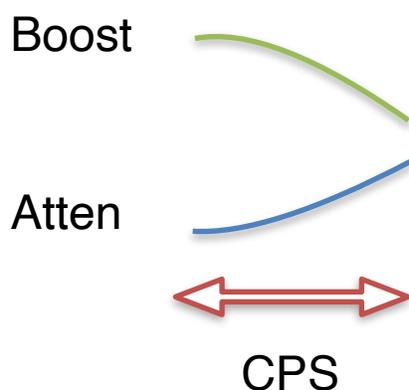
Low End Examples

A boost at 30 Hz is shown below. Note that frequencies above the setting are also boosted.

Attenuation at 30 Hz is shown below. Note that frequencies above the setting are also attenuated.

Using both boost and attenuation creates a mid-range dip.

High End Controls

The high end section allows you to control the highs at various frequencies in the spectrum. The high end section is more complicated than the low end, featuring a boost peak with adjustable bandwidth, and high cut attenuation.

• KCS - Kilo Cycles Per Second is the classic name for Kilohertz. This selector switch controls the boost point of the peaking filter in kHz.
• Boost - This continuous knob is used for boosting the peak filter content.
• Bandwidth - The peak filter for boosting has an adjustable bandwidth, from narrow to wide.
• Atten Sel - This selector switch sets a high cut (lowpass) filter cutoff point in kHz.
• Atten - This continuous knob attenuates frequency content above the Atten Sel cutoff point.

Keep in mind that the peak filter and the high cut filter are separate. It is easiest to think of the low end as having one type of filter and the high end as having two. This means that the KCS, Boost, and Bandwidth knobs are grouped together. And the Atten and Atten Sel knobs are in the second group of controls. The peak filter controls are highlighted with green and the high cut controls are highlighted with blue.
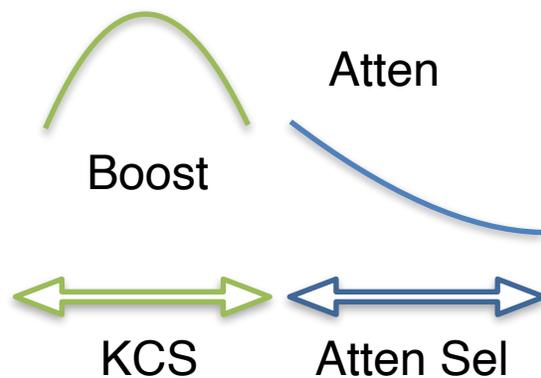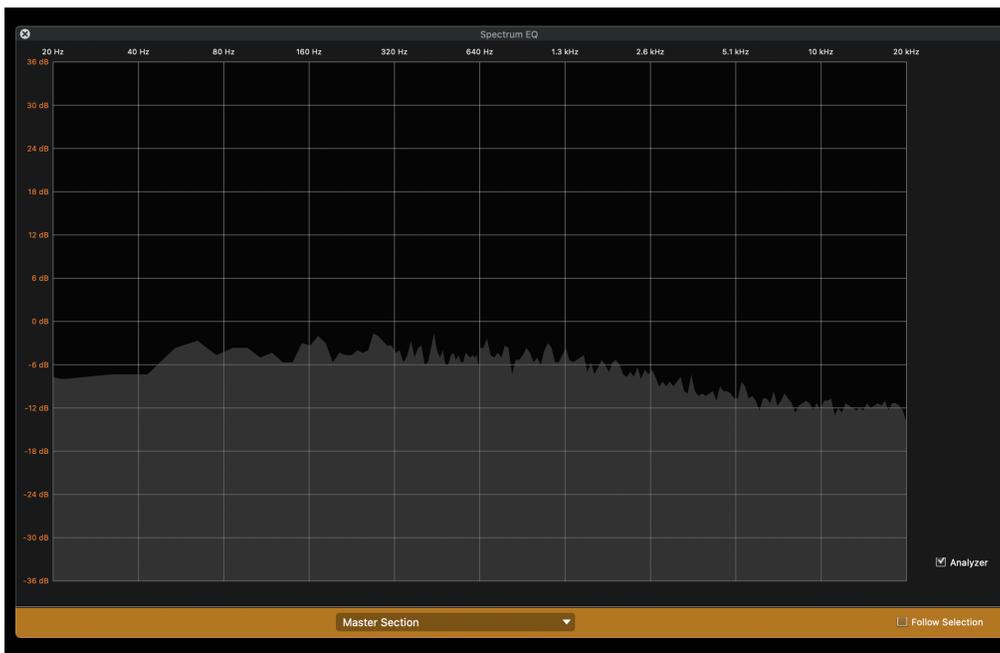
High End Examples

A boost at 4 kHz is shown below. The bandwidth is set to 5.

Now the bandwidth is set to sharp with quite a lot of boost.

A moderate attenuation at 5 kHz is shown.

Drive and Gain

The drive and gain section gives you an opportunity to add warmth and growl to the tone and adjust the final output level.

• Drive - This knob gives a lot of drive to a modeled tube amplifier nonlinearity from the original circuit. For typical EQ use, it is recommended that this be set very low, such as around 2 or below. For overdrive like that of a guitar amp, this can be cranked up.

• Pre switch - The Pre switch controls the signal path, so that when enabled, the drive nonlinearity comes before the equalization filtering. This is most useful for reducing the high frequencies that are added by distortion.

• Gain - This output level of the device can be fine tuned in decibels.

Conclusion

You have read the user manual for Blamco Program Equalizer. It explained its operation in a moderate level of detail. Hopefully, your mixes sound better as a result. If you have questions or comments, you can contact Blamsoft on social media or by email. Contact details are available at https://blamsoft.com/engage. Thank you for purchasing this product.