



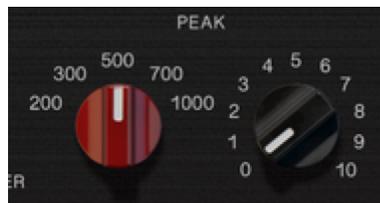
1.0.0 User Manual

Overview

Blamco Mid-Range Equalizer is a classic three filter parametric equalizer for vintage tone adjustment. The legendary device can be used to quickly improve the sound of any instrument or vocal recording. 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 Mid-Range Equalizer is its drive, that can be used for adjustable warmth or dialed up for authentic growl. Easily boost frequency content with the two peak filters or cut mid-heavy tracks with the dip control. The filtering is musical, making it easy to improve the sound with a bit of experimentation. Legendary devices like the vintage mid-range equalizer remain essential for the professional mixing engineer as well as the home studio producer.

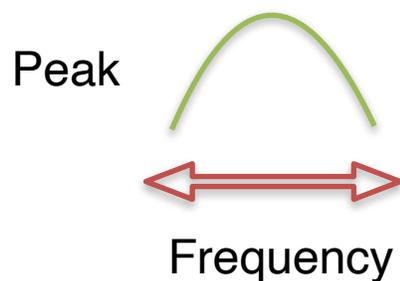
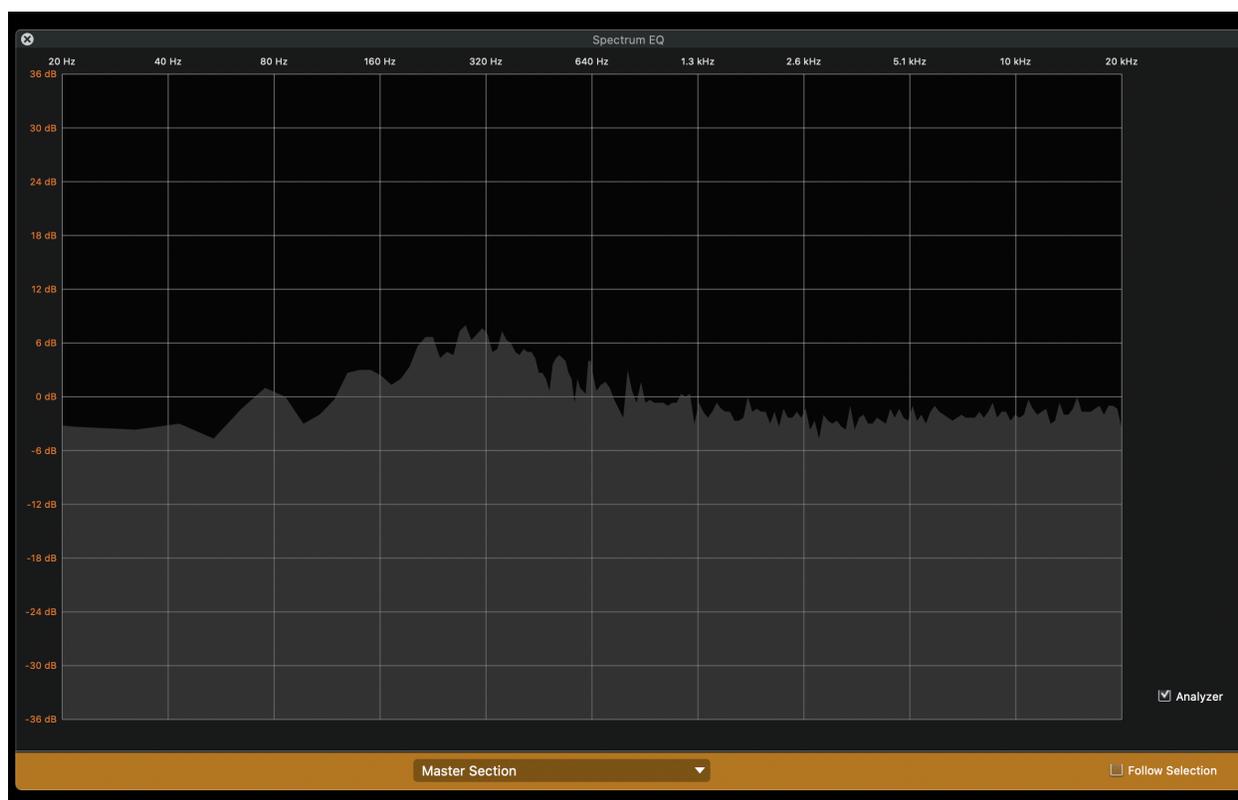
Low-mid Peak

The low-mid peak section allows you to boost frequencies in the low-mid range.



- Frequency (Red) - This selector switch controls the midpoint of the peak filter in Hz.
- Boost (Black) - This continuous knob is used for boosting the frequency content at the selected frequency.

A boost at 300 Hz is shown below. Notice how the peak filter has a bell shape centered at 300 Hz.



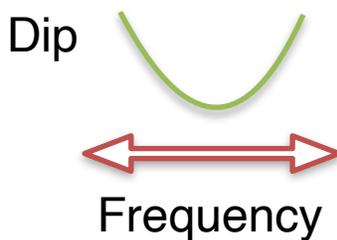
Dip

The dip section allows you to cut frequencies in the mid range.



- Frequency (Red) - This selector switch controls the midpoint of the dip filter in Hz and kHz for the latter settings.
- Cut (Black) - This continuous knob is used for cutting the frequency content at the selected frequency.

A dip at a kHz is shown below. Notice how the dip filter has an inverted bell shape centered at 1 kHz.



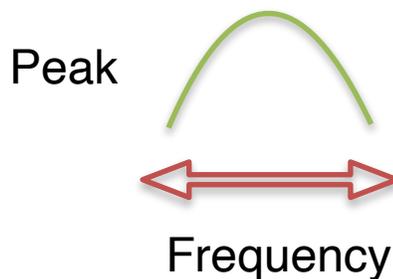
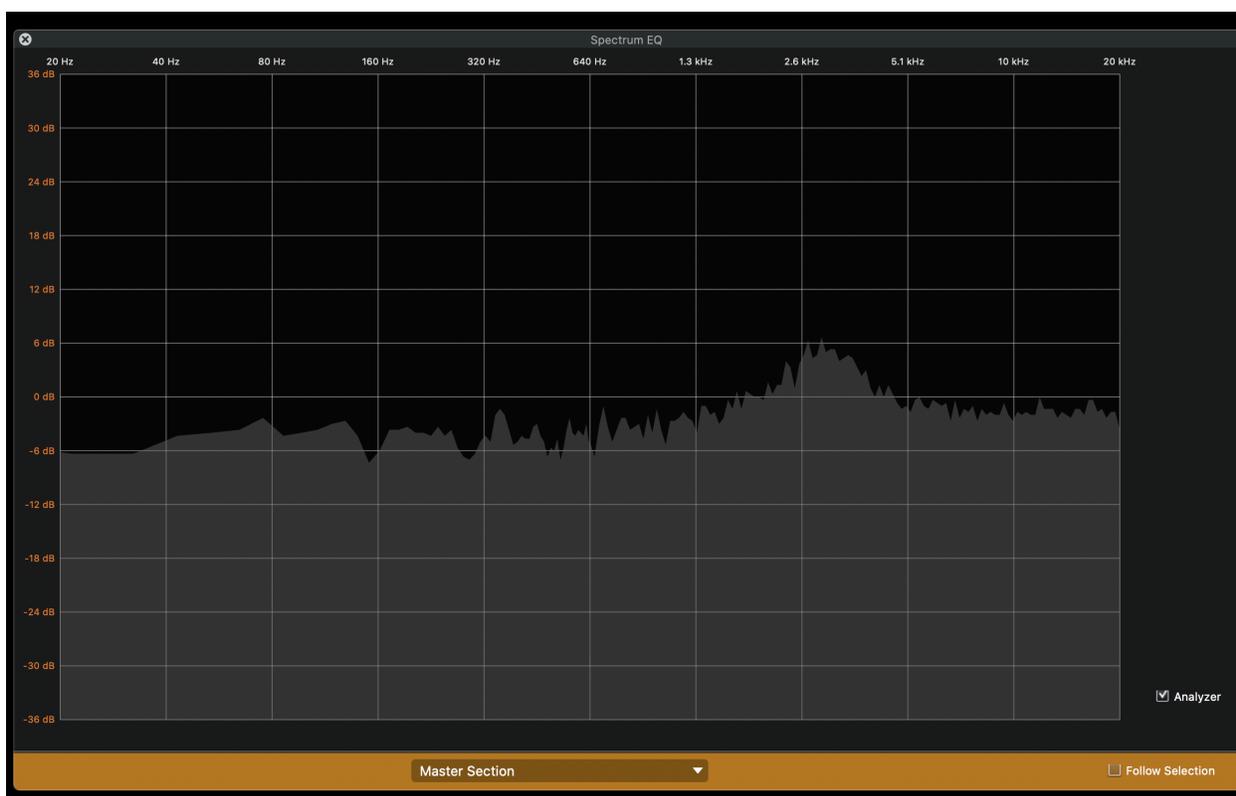
High-mid Peak

The high-mid peak section allows you to boost frequencies in the high-mid range.



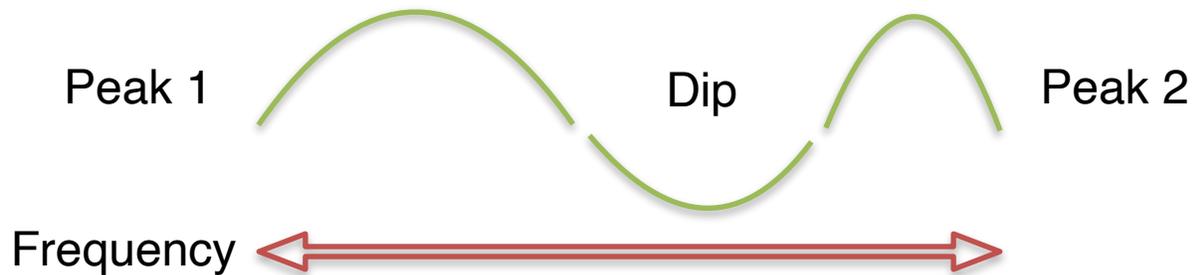
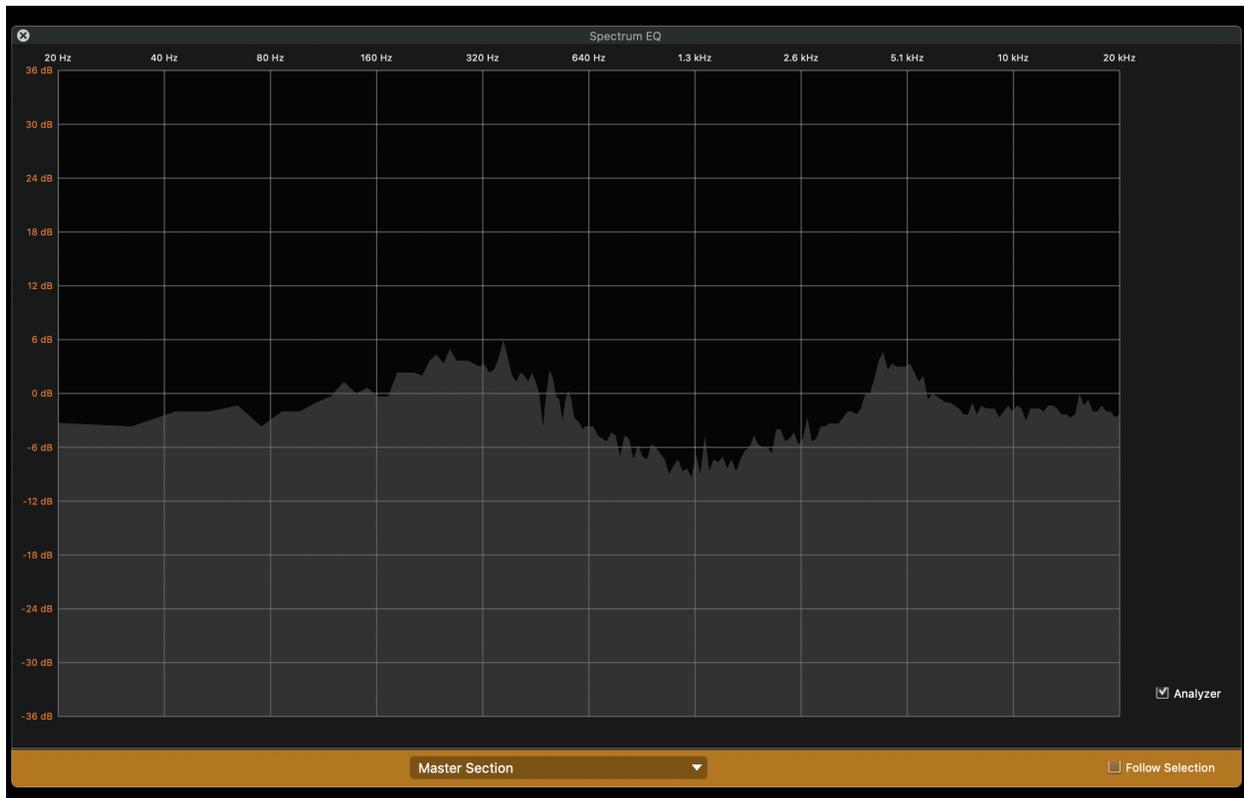
- Frequency (Red) - This selector switch controls the midpoint of the peak filter in kHz.
- Boost (Black) - This continuous knob is used for boosting the frequency content at the selected frequency.

A boost at 3 kHz is shown below. Notice how the peak filter has a narrow bell shape centered at 3 kHz.



Example

To clearly demonstrate the three filters in the equalizer, a boost at 300 Hz, a dip at 1 kHz, and a peak at 5 kHz have been configured and are shown below.



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 Mid-Range 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.