



Kazrog LLC - ValveEQ

User guide - version 1.0.0

March 21, 2017

<http://kazrog.com>

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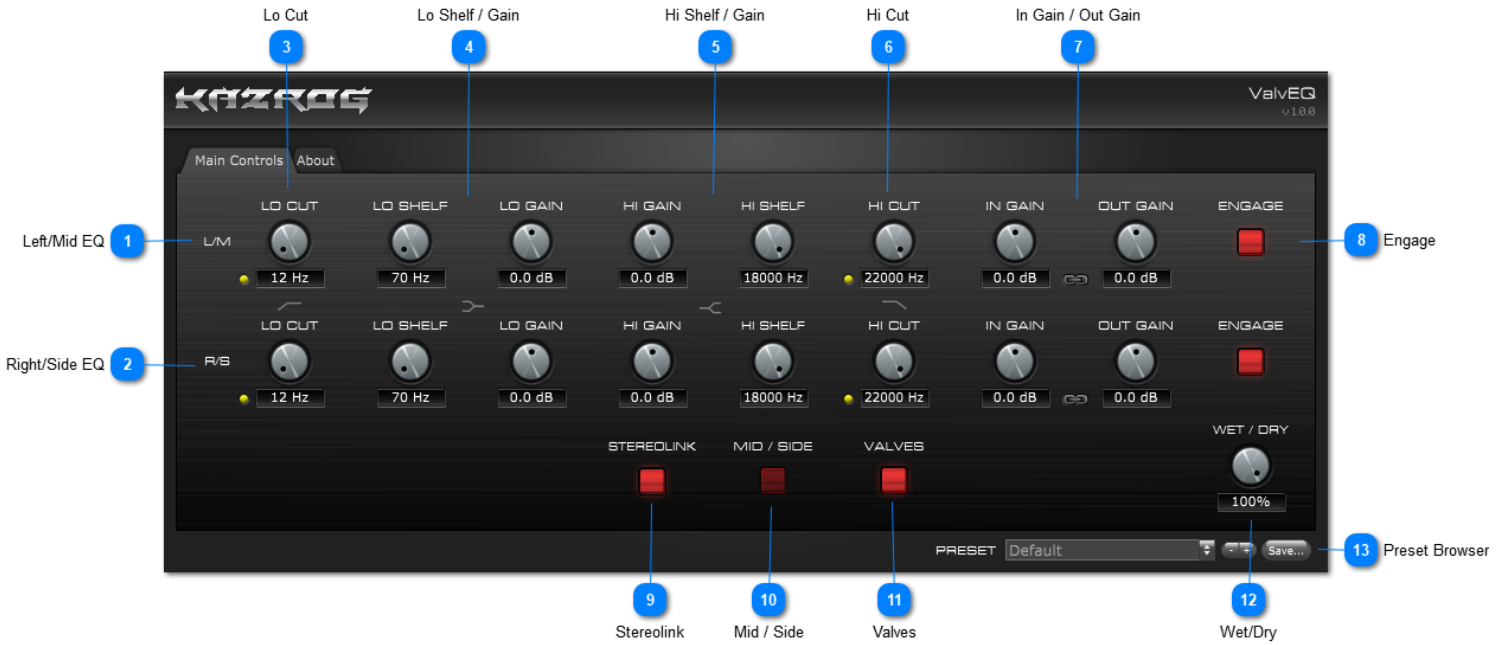
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1. Using ValvEQ

ValvEQ is a Baxandall-inspired mastering and mixing EQ with Kazrog's acclaimed Thermionik vacuum tube emulation engine built in, with a custom vintage hi-fi inspired virtual circuit. The EQ features lo cut, hi cut, lo shelf, and hi shelf bands with contiguous frequency control. The valve section can be disabled for a solid state EQ topology. Mid/Side processing toggle allows for equalization of the stereo image for a greater feeling of depth, width, and heft in your mix.



1.1. Main Controls



1 Left/Mid EQ

L/M

The controls to the right of this label affect the left channel in stereo mode, and the mid channel in mid/side mode.

2 Right/Side EQ

R/S

The controls to the right of this label affect the right channel in stereo mode, and the side channel in mid/side mode.

3 Lo Cut



This is a 12 dB / octave high pass filter. It can be disabled using the button to the left of the text entry box. This is useful in conjunction with the Lo Shelf control to create a balance of boosting and attenuation to sculpt the low end of the input signal.

4 Lo Shelf / Gain



These controls affect the frequency and gain, respectively, of a Baxandall-style low shelving EQ. With the gain set at 0.0 dB, this shelf does not affect the signal. These controls are useful for affecting the overall low or low mid balance of the input signal.

5 Hi Shelf / Gain



These controls affect the frequency and gain, respectively, of a Baxandall-style high shelving EQ. With the gain set at 0.0 dB, this shelf does not affect the signal. These controls are useful for affecting the overall high and/or high mid balance of the input signal. Boost with the shelf centered above 12 kHz to increase the perceived "air" of a track, or cut to reduce the bite of a harsh sounding track.

6 Hi Cut



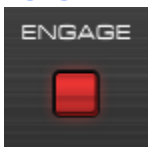
This is a 12 dB / octave low pass filter. It can be disabled using the button to the left of the text entry box. This is useful in conjunction with the Hi Shelf control to create a balance of boosting and attenuation to sculpt the high end of the input signal, adding "air" and "shimmer" without harshness.

7 In Gain / Out Gain



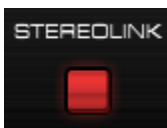
These controls are useful for adjusting the balance of gain on the current channel being equalized. When Valves are enabled, these can also be used to dial in the desired amount of saturation. The chain icon in between the two controls inverse links them for easy adjustment of saturation without perceived volume change.

8 Engage



Enables or disables EQ on the corresponding channel.

9 Stereolink



Links equivalent parameters on both channels when enabled.

10 Mid / Side



Enables or disables mid/side processing. When enabled, the top channel controls affect the perceived "middle" of the stereo field, and the bottom channel controls affect the perceived "sides" of the stereo field. This type of processing can be used to enhance the stereo image of a mix.

11 Valves



Enables or disables vacuum tube emulation. In the signal chain, the virtual tube preamp is located after the Lo Cut control, but before all other signal processing. Use the Lo Cut in conjunction with Valves to dial in the desired attack characteristic.

12 Wet/Dry



Adjusts the balance between the wet (processed) and dry (unprocessed) signals. By default, this is set 100% wet. This control is particularly useful on individual tracks and buses.

13 Preset Browser



Browse, modify, and save presets here. Want to swap presets with your friends? Make note of the path in the "Save" dialog. All presets are saved in an open XML format for maximum cross-platform compatibility.

1.2. Version History

ValvEQ - Version 1.0.0 - March 21, 2017

- Initial release.

2. Legal

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