



# VEQ-1P

VINTAGE PROGRAM EQUALIZER



**OVERVIEW & INSTRUCTIONS**

[WWW.BLACKROOSTERAUDIO.COM](http://WWW.BLACKROOSTERAUDIO.COM)

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## OVERVIEW & INSTRUCTIONS

### About the VEQ-1P

#### *Vintage Program Equalizer*

Black Rooster Audio is excited to present the VEQ-1P Program EQ, inspired by one of the most famous and renowned equalizers in studio history.

This plug-in allows for manipulation of the low and high end of the spectrum, without impairing the midrange. The interactive filter network, that features boost and cut at the same time, will give the users multiple options of how to treat the shelf frequency, in a manner that is very musical and most other equalizers are not capable of achieving.

Try the famous „Pultec-Trick“ with the VEQ-1P on BassDrum for more definition and spectral transparency.

### Plugin Activation & System Requirements

Black Rooster Audio plug-ins are equipped with a straightforward and easy to use challenge-response activation system. We did our best to make sure our system works well for both online and offline users. By supporting USB key activation, mobile use is supported and just as easy as permanent activation of your computer's hard disk.

For detailed information about the activation process and the current system requirements of our plug-ins please refer to:

[www.blackroosteraudio.com/faq.html](http://www.blackroosteraudio.com/faq.html)

### Key features

#### *Authentic circuit emulation*

Our real time SPICE type component based circuit simulation approach allows to authentically capture the sound and feel of the analog counterpart in all nuances. Every crucial part of the circuit, including the passive filter network, audio transformers and amplifier tube stages have been faithfully modeled.

#### *SSE2 optimized code*

DSP operations are pipe-lined using the SSE2 instruction set. This ensures highest possible performance operation despite very complex computations.

#### *Auto-adjusted oversampling for maximum audio transparency*

Aliasing artifacts are efficiently attenuated using a low latency linear phase Dolph-Chebyshev poly-phase design. The oversampling is auto adjusted to your session's sample rate to save valuable CPU power while offering the most transparent sound possible.

#### *HighDPI / Retina support*

All our plug-Ins support high pixel density on Mac OSX and Windows to bring you the most enjoyable user experience on high DPI displays. Please refer to your manual to find whether your DAW is HighDPI capable if you're working on Windows.

# VEQ-1P

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### Controls & User Interface

#### » Power

This is a multi purpose knob: Turning it fully counter-clockwise will bypass the processing altogether, turning it clockwise lets you adjust the linear output gain between -10 and +10dB.



#### » EQ In

Engages or bypasses the EQ filter network. The signal will still pass the tube audio amplifier when in a bypassed state thus adding a gentle coloration.



#### » Low Band/Shelf (Boost, Attenuate & CPS Filter Frequency)

Sets the amount of low frequency boost (0..+14dB) and attenuation (0..-18dB). Filters are slightly off-tuned based on the frequency adjusted at the CPS knob (cycles per second = Hertz), which will result in a dip when adjusting both parameters at the same time („Pultec-Trick“).



#### » Bell Filter (Boost, Bandwidth & KCS Filter Frequency)

Sets the amount of mid-high boost, tuned to the frequency selected with the KCS knob (kilocycles per second = Kilohertz). Bandwidth will adjust the „sharpness“ of the filter, which will result in a max boost of +10dB for a broad and +18dB for a sharp setting.



#### » High-Shelf

Adjusts the amount of high frequency attenuation between 0 and roughly -18dB. Edge frequency can be set using the Atten Select knob.

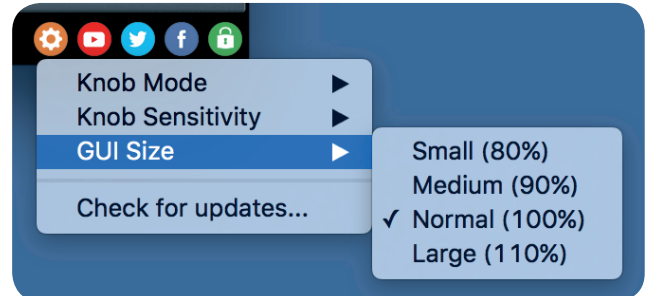


# VEQ-1P

## PREFERENCES & INSTRUCTIONS

### GUI Size

In the GUI size menu you can select your preferred GUI scaling from a list of four settings, if the default mode (Normal) is too big or too small for your taste. Please note that the GUI size setting is a global preference that affects all Black Rooster Audio plug-ins installed on your system.



### Check for updates

Click the Check for updates entry to see if the plug-ins installed on your system are up-to-date. This function requires internet access.

### Knob behaviour & keyboard shortcuts

Use the plug-ins settings menu to select your preferred knob mode globally, i.e. all of our plug-ins share the same setting among all DAW applications. Choose between „Host Setting“, „Circular“, „Relative Circular“ and „Linear“:

- By default the knob mode is set to „Host Setting“ which means that the knob mode is dictated by the DAW application. Some VST hosts allow to change the knob mode setting in their preference menu. Our plug-ins will respect the host knob mode in that setting.
- In the „Circular“ or „Relative Circular“ modes knobs will react to circular mouse gestures and you have to drag your mouse in clockwise or counter-clockwise direction to change a knob's value.
- In the „Linear“ mode you have to drag your mouse up or down when selecting a knob to change its value.

Use the knob sensitivity menu to adjust the knob sensitivity to taste. This function is only available in linear mode.

### All of our plugins support the following keyboard shortcuts

#### *AU Hosts on Mac OS*

Alt + Click - Reset control to its default value

Shift + Drag - Fine control

Shift + Mousewheel - Fine control

#### *VST Hosts on Mac OS*

CMD + Click - Reset control to its default value

Shift + Drag - Fine control (only applicable in linear knob mode)

Shift + Mousewheel - Fine control

#### *VST Hosts on Windows*

Ctrl + Click - Reset control to its default value

Shift + Drag - Fine control (only applicable in linear knob mode)

Shift + Mousewheel - Fine control