

# Bettermaker Passive Equalizer

## Plugin Manual



*Bettermaker*



  
Plugin Alliance

# Introduction

We are happy to introduce our Passive Equalizer. Passive equalizers are renowned for their ability to impart a round, warm bottom end and an airy high-frequency range. For more control we have widened range of hi boost frequency. Using the possibilities provided by digital technology, we have achieved smooth frequency control that is impossible to achieve in the analog domain. If that wasn't enough, we've also added the ability to separately control lo boost and lo cut frequencies. Our plugin also features a mastering-grade high-pass and low pass filters, perfect for sculpting your low and high end with precision.

But we haven't stopped there. We have added an extensive spectrum analyzer. By setting your favorite settings, everyone can personalize them to their preferences. Additionally, on the spectrum chart we have included correction curves with handles that allow you to set the equalizer by dragging them. Get ready to experience the perfect fusion of tradition and innovation, as we invite you to explore the boundless possibilities of our equalizer.

# Front Panel - passive section



## Engage

Engages the VSPE. When it is off the passive section, gain and THD is in bypass.

## Lo Boost and Cut

Simultaneously boost (LO BOOST) and attenuate (LO CUT) low band within the same shelving band to create a complex curve. You can apply up to 14dB of boost and/or cut. You can set low frequency smoothly between 20Hz and 100Hz.



## Lo Frequency Link

In real device EQ lo freq are constantly linked for both boost and cut knob. But here you can unlink them.

## Hi Boost Curve

Also called Band Width (BW). Affects how much boost is applied (Broader = reduced boost)

## Hi Boost

Boost centered on selected frequency. You can set frequency smoothly between 500Hz and 28kHz.

## Hi Cut

Attenuate on selected frequency. You can set frequency smoothly between 5kHz and 20kHz.

## Gain

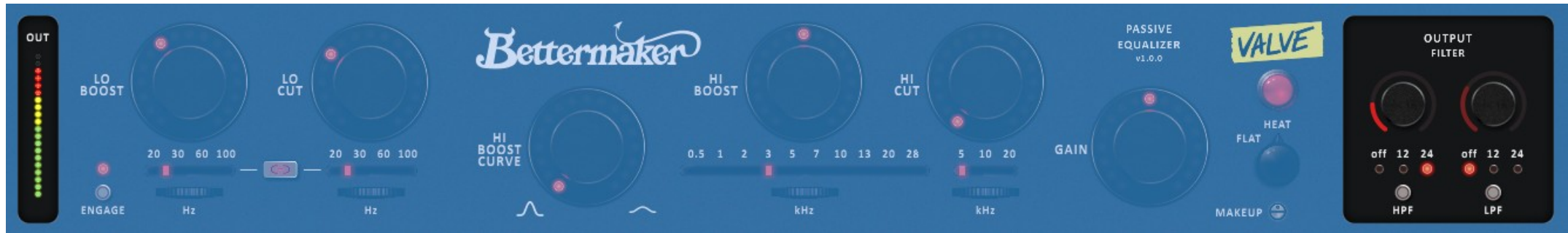
$\pm 8\text{dB}$  output gain. Output means here that it is before VALVE, so it does take effect on saturated harmonics.

## Valve and Makeup

Flat/Heat switch. When HEAT is enabled internal gain stage drives vacuum tube simulation harder to add saturation and color to the sound.

Valve FLAT and HEAT introduce a slight reduction in gain, which can be adjusted using the Makeup gain slider. Values are expressed in decibels.

# Front Panel – meter and output filter



## Level Meters

Input/Output level meters. Click on label to change.

## Output Filter HPF

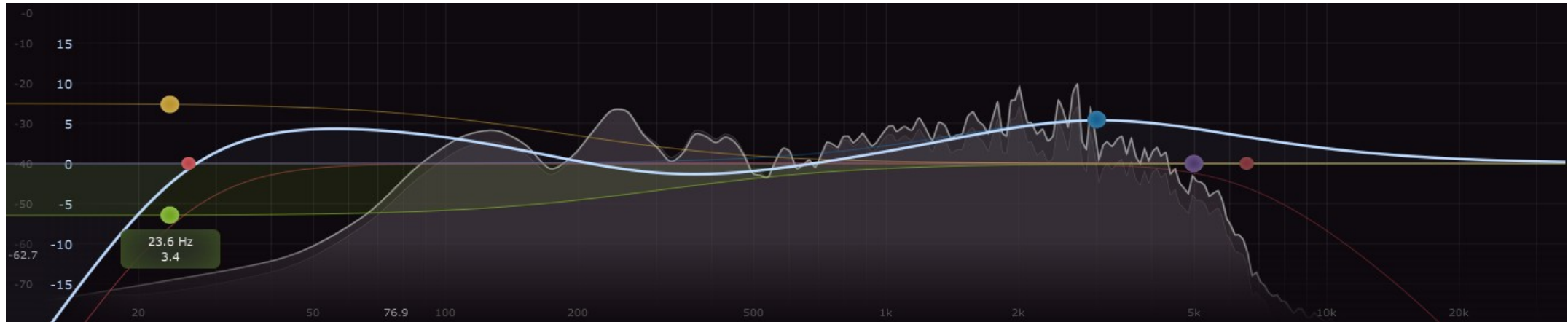
Adjust high pass filter frequency from 20Hz to 500Hz.  
Using slope selector you can set 12 or 24 dB per octave.  
When set to off the HPF is bypassed.

## Output Filter LPF

Adjust low pass filter frequency from 1kHz to 20kHz.  
Using slope selector you can set 12 or 24 dB per octave.  
When set to off the LPF is bypassed.



# Analyzer panel and settings



## Power

Opens the analyzer and chart panel.

## Resolution

Changes the resolution of analyzer frequencies. Higher resolution increases CPU usage but displays lower frequencies more precisely.

## Speed

Changes the fall speed of the analyzer in the gain domain.

## Slope

Adjusts the slope of the spectrum analyzer display around 1kHz. Higher frequencies tend to have weaker power compared to lower frequencies. This slider allows you to compensate for this difference. The parameter value is expressed in dB per octave.

## Zoom

Adjusts the analyzer's gain range in dB.

## Sidechain/Input/Output and Max/Left/Right/Mid/Side

Sets signals that will be shown by analyzer.

## Panel size

You can choose small, medium or large height of the analyzer.

# Top toolbar



Opens menu. You can select free or step knob style, show or hide hints and check plugin version.



## Power button

It turns off the processor so that the signal passes through unchanged.

## Preset name (and arrows)

Clicking on preset name opens preset menu. You can save and load presets to/from file and select used preset.

## Undo / Redo (Arrows)

Offers 32 steps of parameter history.

## Settings (A / B / C / D)

Settings allows you to switch between two totally different settings instantly. This feature allows you to make quick mixing or mastering decisions, by hearing the difference between four full settings without taking the time to manually change all the knobs needed and potentially losing perspective.

## Copy / Paste / Reset

This functions allows you to copy and paste between settings banks or reset parameters to default (float) values.

## ((S)) Audition

When enabled then adjusting EQ params automatically separates selected frequency to hear changes more distinguish.



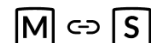
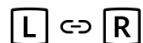
## Monitoring

Mid, side, left or right monitoring switch.



## Mid/Side

By default stereo plugin operates on Left/Right channels. For better stereo image control you can set it to operate on Mid/Side.



## Channel mode

When channel link is active then on both channels are applied the same settings. If channels are linked pressing L, R, M or S buttons automatically unlink them.



## FFT Sidechain

You can choose to show external side chained signal as analyser input.



## Analyser

Press to open/close frequency analyser and EQ chart.



## Analyser settings

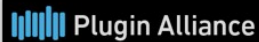
Press to open analyser settings panel.



## Double Panel

Allows to open double panel to see both channels settings. If the button is inactive, it means the plugin is launched in mono mode.

# Bottom toolbar



Trial (4 day(s) left)



## PA Logo

Clicking the Plugin Alliance logo takes you to the Plugin Alliance website via your web browser, that's if your computer is online.

## License Type

The toolbar displays information about the type of license you're running: Trial licenses will be displayed along with the number of days until expiration; there is no note for full licenses as these are unlimited.

## \$ (Icon)

If you are using a demo / trial version of our products, you can always click this icon to open a browser that redirects you to the respective product page in the Plugin Alliance store. This is where you can easily purchase a product without having to look it up on our website.

## Key (Icon)

Clicking on the key icon brings up the activation dialog, allowing you to manually reauthorize a device in the event of a license upgrade or addition. You can also use this feature to activate additional computers or USB ash drives.

## ? (Icon)

Clicking the ? icon opens up a context menu that links to the product manual PDF, as well as other helpful links, e.g. to check for product updates online. You must have a PDF reader installed on your computer to be able to read the manual.

## System Requirements & FAQ (Links)

### For latest System Requirements & Supported Platforms

<https://www.plugin-alliance.com/en/system-requirements.html>

### Particular details for your product

<https://www.plugin-alliance.com/en/products.html>

### Installation, Activation, Authorisation and FAQ's

<https://www.plugin-alliance.com/en/support.html>