

THANK YOU

for your purchase



For any question,
feel free to contact us at
support@hlab.audio

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EQ169DC

Digitally Controlled
Analog Tracking EQ

for

 **SEPIA**[®]
BY  **KARNO**

USER MANUAL V10.25

INTRODUCTION

EQ169DC is the recreation of the Studer[®] 169 mixing console EQ, adapted to the SEPIA digitally controlled platform.

With the exact same analog circuit topology and performance as our 500-series module, you can now bring the super-soft, musical sound of this classic 3-band EQ to the digital world. It features the original high and low shelves, as well as a semi-parametric "Presence" band, all recallable from your computer, iPad or digital console.

The unusual tuning of the shelves (20Hz and 20kHz respectively) makes this EQ really smooth sounding. With a range of ± 15 dB, you can go from subtle to brutal, but always in a very musical way.

MAIN FEATURES

LOW SHELF

The low shelf is tuned very low at 20Hz and range from -15 to +15dB.

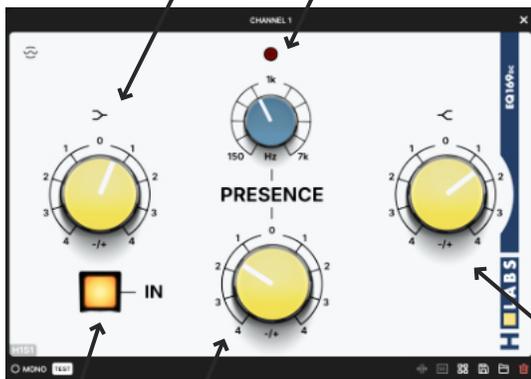
Its slope is very gentle, so it will affect all frequencies below 600Hz.

Because of the large amount of energy contained in a 20 Hz signal, boosting this frequency band will easily saturate the input signal of the next device in your audio setup. You can monitor this with the **SIGNAL LED**.

SIGNAL LED

The red LED monitors the signal after equalization and just before output. It will indicate when the module output risks saturating.

• = 0.2% harmonic distortion



BYPASS

When the switch is engaged (IN), the signal passes through the equalizer.

'PRESENCE' BAND

The presence band is a typical semi-parametric equalizer.

Pick a frequency between 150Hz to 7kHz and apply a boost or cut of ± 11 dB. That's it!

PRESETS

Thanks to the digital recall function of the SEPIA modules, you can easily save and load your favorite EQ169 presets.

HIGH SHELF

The high shelf is tuned at 20kHz and range from -15 to +15dB.

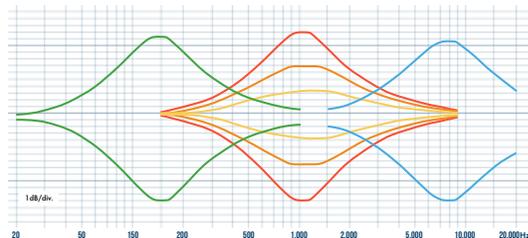
Its slope is very gentle, so it will affect all frequencies over 1.8kHz.

The ± 4 scale is inherited from the original Studer® 169 console design.

EQ169 TUNING

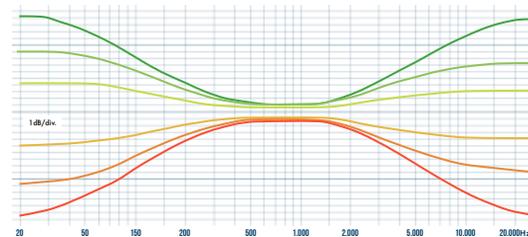
The EQ169 is a simple but very musical console-style equalizer. Inspired by the legendary Studer® 169 mixing console, it features the original 3 bands of equalization: high and low shelves and a semi-parametric "Presence" band.

PRESENCE



The tuning of the shelves (20Hz and 20.000Hz respectively) is very uncommon and makes this EQ really smooth sounding. With a range of ± 15 dB, you can go from subtle to brutal, but always in a very musical way.

HIGH & LOW SHELVES



In line with the original, we've kept the ± 1 to 4 graduation scale, which corresponds to a gain of approximately ± 15 dB for the shelves and ± 11 dB for the midrange.

But above all, trust your ears!