

# THANK YOU

for your purchase

**H**  **LABS**

**EQ169**

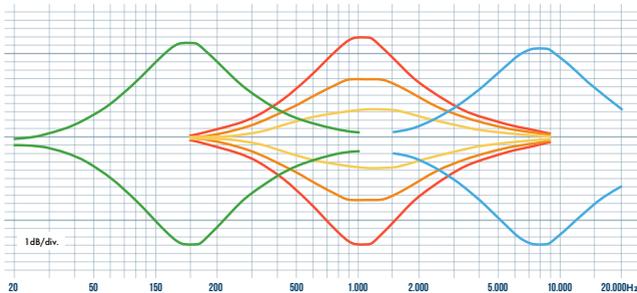
**Tracking EQ**

User manual v1.23

## INTRODUCTION

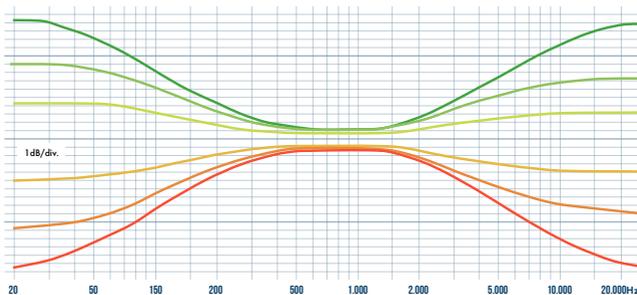
The EQ169 is a simple but very musical equalizer using the widely used API<sup>®</sup> 500-format. Inspired by the legendary Studer<sup>®</sup> 169 mixing console, it features the original 3 bands of equalization: high and low shelves and a semi-parametric "Presence" band.

### 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  $\pm 15$ dB, you can go from subtle to brutal, but always in a very musical way.

### HIGH & LOW SHELVES



## SPECIFICATIONS

- ▶ Transformerless input & output
- ▶ Max level (input & output): +22dBu
- ▶ Frequency response (1k $\Omega$  load):  $\pm 0.5$ dB from 5.4Hz to 25kHz
- ▶ SNR : >105dB (0.2% THD)
- ▶ Bypass on relay for transparent sound & power failure proof

Designed and assembled in our workshop in Saint V rand (France).



# MAIN FEATURES

## SIGNAL LED

The multicolor LED indicates the presence and level of signal after equalization, just before output.

It is a great help to know if the amount of EQ applied to your signal could cause distortion when you input your next device.

- = input signal detected
- = 0.2% harmonic distortion

## 'PRESENCE' BAND

The presence band is a typical semi-parametric equalizer.

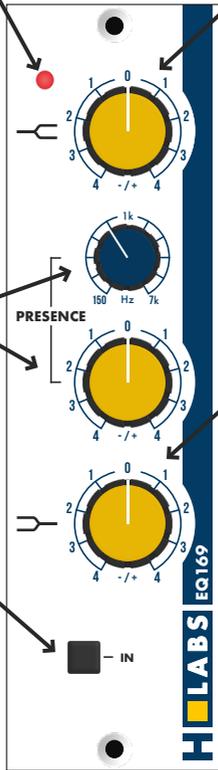
Pick a frequency between 150Hz to 7kHz and apply a boost or cut of  $\pm 11$  dB. That's it!

## BYPASS

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

The EQ169 features a relay-operated bypass, meaning that the audio signal is not passing through any electronics when it's not engaged.

This also means that if the module or power supply fails, the signal still passes through!



## 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  $\pm 4$  scale is inherited from the original Studer® 169 console design.

## 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**.

# MAINTENANCE

Thanks to their modular design using mainly old school THT components, our products are robust and will be easily serviced for decades. We simply want our products to stand the test of time and become future classics.

Feel free to contact us for any maintenance operation or spare parts, we will always be there to help.

**For any question,  
feel free to contact us at  
[support@hlab.audio](mailto:support@hlab.audio)**

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