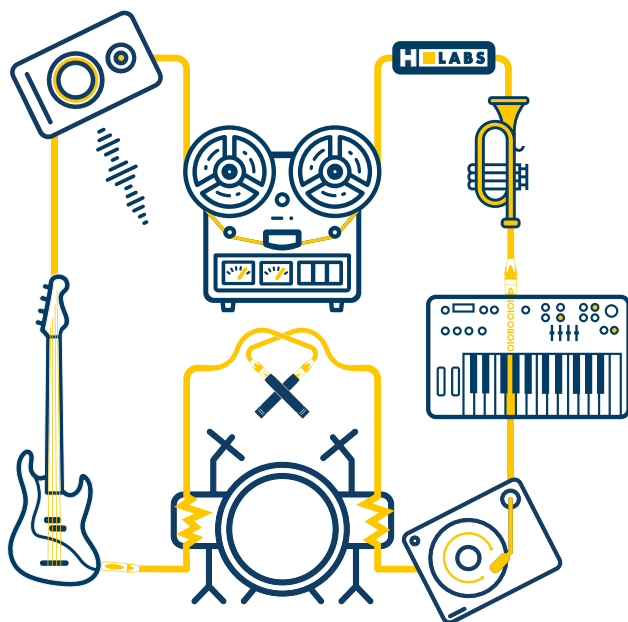


H LABS

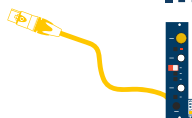
EQ169S

2 Channel Tracking EQ

USER MANUAL V6.25



**Get the best sound.
In any situation.**



Plug an H Labs.

INTRODUCTION

The EQ169S is the re-creation of the 3-band channel equalizer from the legendary Studer® 169 mixing console. It delivers the exact same smooth curves and mellow sound taken from the 80s, in a modern and convenient 2-channel 1U rackmount format.

As the original, it features two shelves & a semi-parametric midrange, perfect to add instant colour to your tracks, directly on the record or later in the mix.

SPECIFICATIONS

2-channel Classic semi-parametric EQ based on the original Studer 169 console circuit :

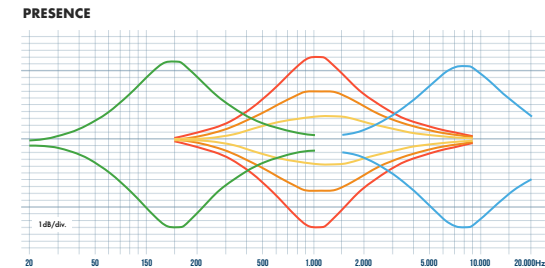
- ▶ High Shelf : $\pm 15\text{dB}$ @ 20kHz
- ▶ "Presence" filter : $\pm 11\text{dB}$ @ 150 to 7000Hz (continuously variable) - $Q \approx 1.0$
- ▶ Low Shelf : $\pm 15\text{dB}$ @ 20Hz
- ▶ Transformerless input & output for a transparent sound
- ▶ Max level (input & output) : +22dBu
- ▶ Input impedance: 48k Ω
- ▶ Output impedance: 50 Ω
- ▶ Frequency response (1k Ω load): $\pm 0.5\text{dB}$ from 5.4Hz to 25kHz
- ▶ SNR : >105dB (0.2% THD)
- ▶ Neutrik XLR inputs & outputs
- ▶ Earth lift on the outputs to avoid ground loops (independent for each channel)
- ▶ Worldwide compatible power supply: 100-240V | 50-60Hz
- ▶ Dimensions (1U rack) : 483x260x44mm | 19.0x10.2x1.7in
- ▶ Weight : 3.2kg | 7.0lb
- ▶ Optional accessory : V-LOCK power cable

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

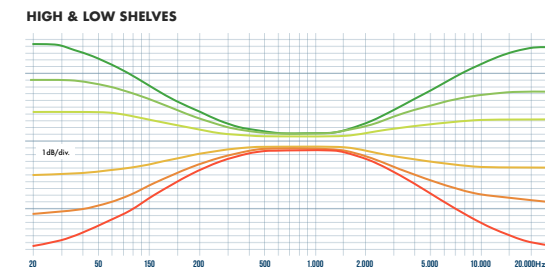


EQ169 TUNING

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.



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



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

But above all, trust your ears!

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.

⚠ Safety first! This equipment operates at high voltage. Only qualified electronics technicians should open the device for maintenance.

MAIN FEATURES

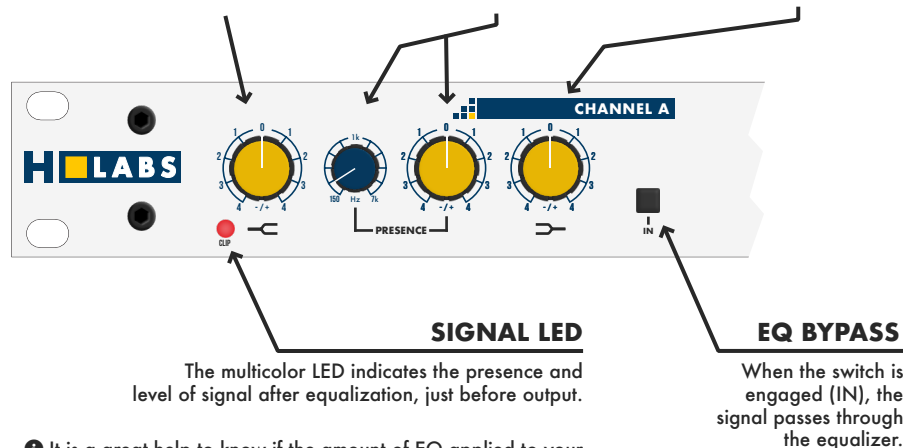
EQ SETTINGS

① According to a standard channel strip design, the Hi shelf is located on the left side.

The **HIGH SHELF** is tuned at 20kHz with a $\pm 15\text{dB}$ range and a very gentle slope that will affect all frequencies over 1.8kHz.

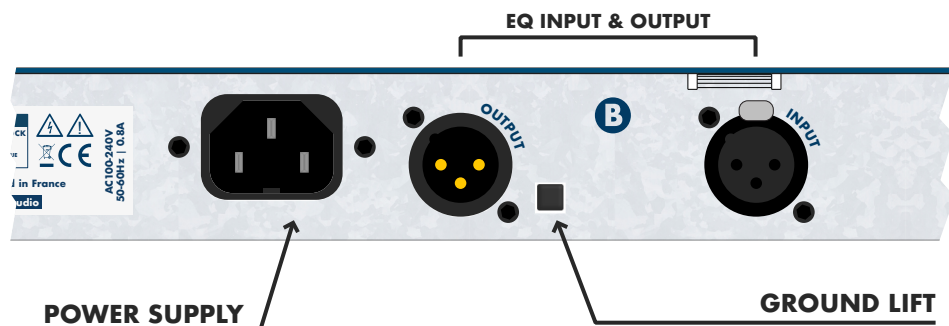
The **PRESENCE** band is a typical semi-parametric equalizer. Pick a frequency between 150Hz to 7kHz and apply a boost or cut of $\pm 11\text{dB}$. That's it!

The **LOW SHELF** is tuned at 20Hz with a $\pm 15\text{dB}$ range and a very gentle slope that will affect all frequencies below 600Hz.



① 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



① For the most demanding applications, this socket is compatible with secured V-LOCK® power cables (available from our shop).

THANK YOU

for your purchase



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

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