

SE1

TWO BANDS EQUALIZER

**USER
GUIDE**

for 500 Series enclosures

Introduction

Congratulations on your purchase of this 500 Series compatible MCAudioLab channel module.

The SE1 equalizer was inspired by pioneering audio Baxandall's legendary 50's design.

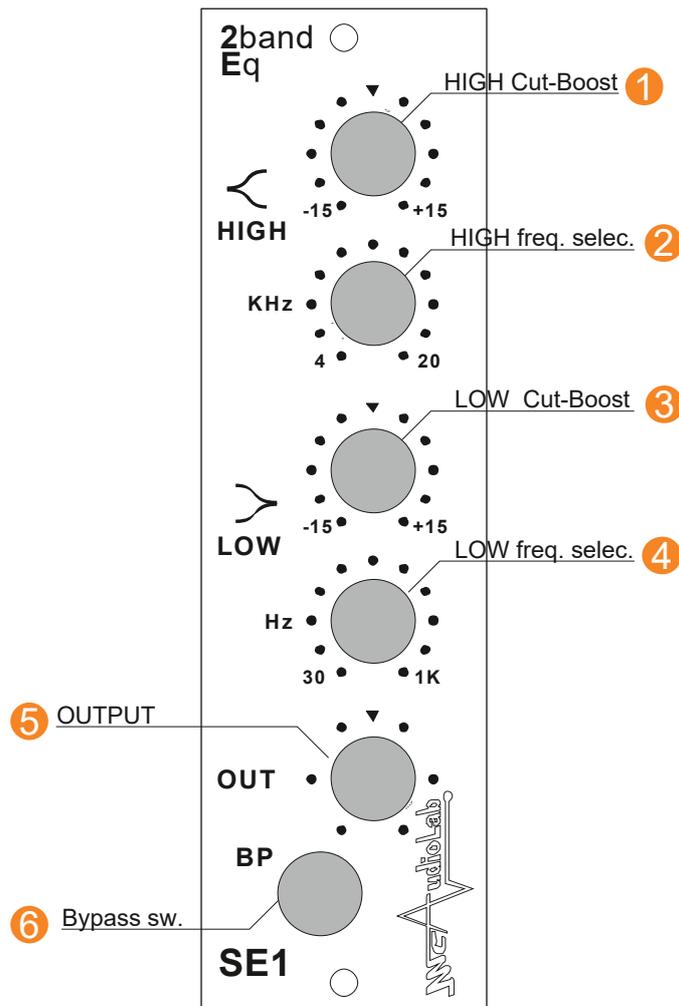
It's a dual-band EQ with low and high bands and of course a level control for fine adjustments of the output level.

The SE1 is a single-channel 500 series module with an all-discrete Class A circuitry and the MCAudioLab 816 discrete op-amp. Input and output are transformersless to assure the absolute transparency to the signal passing through the EQ.

Low- and high-shelf have a wide selection of frequencies.

Operation

Please refer to the illustration below



- ① **HIGH Cut-Boost**
This control sets the amount of the Low Frequency Band in a range of +/-15dB Gain
- ② **HIGH frequency selector**
Use this control to set the frequency of the Low frequency band in the range 4kHz - 20kHz
- ③ **LOW Cut-Boost**
This control sets the amount of the Low Frequency Band in a range of +/-15dB Gain
- ④ **LOW frequency selector**
Use this control to set the frequency of the Low frequency band in the range 30Hz - 1kHz
- ⑤ **OUTPUT**
This active control sets the output level in a range of +/-12dB Gain
- ⑥ **Bypass Switch:**
True Bypass - Hard Bypass. The unit is completely excluded by the signal path. The input is 'hard-wired' connected to the output when the switch button is pressed.

Audio Specifications

Input impedance	10K ohm (balance)
Output impedance	<100 ohm (balance)
Frequency response	+/- 0.5dB@20Hz to 30KHz
Output signal to noise	>-95dB
THD + noise	.01%@1KHz /+0dB (+4dBu)

Specifications are typical of a production unit and are subject to change without notice.

Installation Instructions

Switch off the 500-series enclosure and remove mains power.

Carefully insert the SE1 module into the empty slot in the 500-series enclosure and ensure the rear edge connector on module and the edge connector of the 500-series enclosure mates correctly.

Screw into the 500-series enclosure to secure the module into the enclosure.

Apply mains power into the 500-series enclosure and switch on. The module is not designed to be hot-plugged.

Disclaimer: The information in this manual has been carefully checked and is believed to be accurate at the time of publication. However, no responsibility is taken by us for inaccuracies, errors or omissions nor any liability assumed for any loss or damage resulting either directly or indirectly from use of the information contained within it.

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Health & Safety Notice

For your own safety and the protection of others, please observe the safety instructions below:

- Read these instructions, follow all instructions and keep these instructions.
- Heed all safety warnings.
- Do not use near water.
- Clean only with a dry cloth.
- Do not install near heat sources.
- Do not block ventilation openings.
- Unplug when unused for long periods of time.
- Refer all servicing to qualified personnel only.