ALM-016

'PE-I'

- Operation Manual -

(V0.1)

Introduction

'PE-1' is a dual band parametric EQ and simple two channel mixer. Two control sections provide a sweepable cut or boost to a selectable upper and lower frequency band. The module has two ac coupled audio inputs, one of which has an attenuation control for basic mixing, and a single audio output.

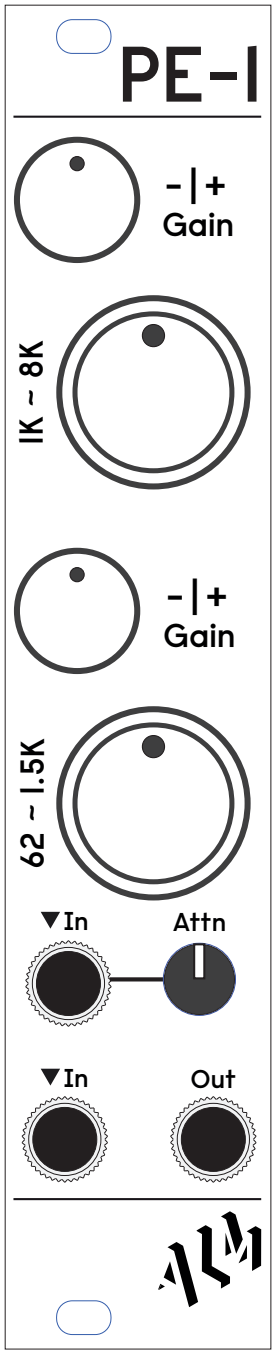
The 'PE-1' is inspired by the EQ circuits used in early 'Portastudio' type 4 track tape mixers. Warm up a digital source, fine control a live performance, extend a mixer, tweak a feedback loop - there are many uses for this great sounding EQ.

Technical Specifications

- Supply: *+/-12V*
- Current Draw: +12v 10ma / -12V 10ma
- Size: 5 *HP*
- Depth: *32mm (including power header)*

Core Operation

Panel Layout



Upper band controls

Cut/Boost (+/- 12db)

Center frequency
1-8khz

Lower band controls

Cut/Boost (+/- 12db)

Center frequency
62hz-1.5khz

Attenuation control
for upper input.

x2 Audio Inputs
(ac coupled)

Audio Output.

General Usage

An audio signal can be patched into either input. The upper input also offering an attenuation control to control amplitude. Dual input signals will be added together before passing through each filters in series and then to the output.

The two control sections each provide frequency selection together with the amount of boost or cut (up to approx +/- 12db) for that frequency range.

Limited Warranty

From the date of manufacture this device is guaranteed for a period of 2 years against any manufacturing or material defects. Any such defects will be repaired or replaced at the discretion of ALM. This does not apply to;

- Physical damage arising for mistreating (i,e dropping, submerging etc).
- Damage caused by incorrect power connections.
- Overexposure to heat or direct sunlight.
- Damage caused by inappropriate or mis-use.
- Use of incorrect or non official firmware

No responsibility is implied or accepted for harm to person or apparatus caused through operation of this product.

By using this product you agree to these terms.

Support

For the latest news, additional info, downloads and firmware updates please visit the ALM website at http://busycircuits.com and follow @busycircuits on twitter.

Please send any questions or comments to info@busycircuits.com