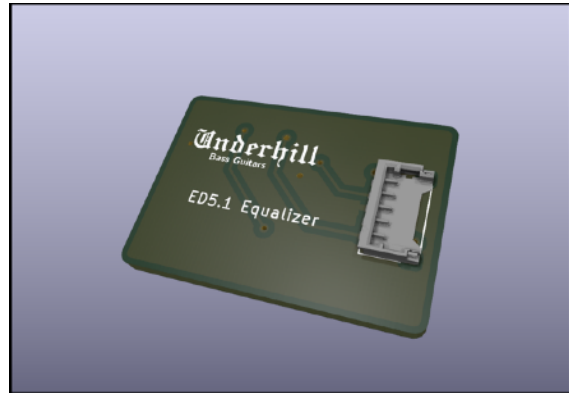
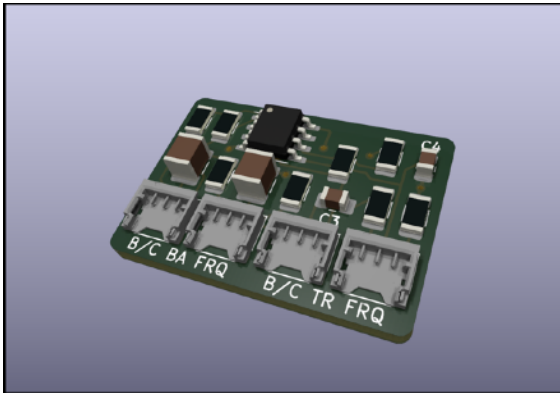


# User Manual

## ED5 Dual Equalizer

### Overview

The ED5 is a dual band parametric equalizer module with low and high frequency filters that together cover the entire range of the bass guitar. Both filters are peaking type controls, which boost or cut frequencies near the set-point and leave other frequencies unaffected. Two stacked potentiometers control the low and high bands, with the bottom knob setting the frequency and the top knob setting the boost or cut level. The top knob has a center detent for flat (no boost or cut) response.



### Installation

Connect the filter to the desired filter slot on the PD or PS preamp with a five wire filter cable. Connect the three wire pot/switch cables between the labelled FREQ and Q connectors on the CD4 control pot and the ED5. Make sure to read the manual for your PD or PS preamp to set the switch configurations for the filter slots, depending on whether you are using an EQ bypass switch.

On the PD preamp, the ED5 is typically installed in the M filter position, which applies it to the post-blend signal. On the PS preamp, the ED5 can be used in either A or M position.

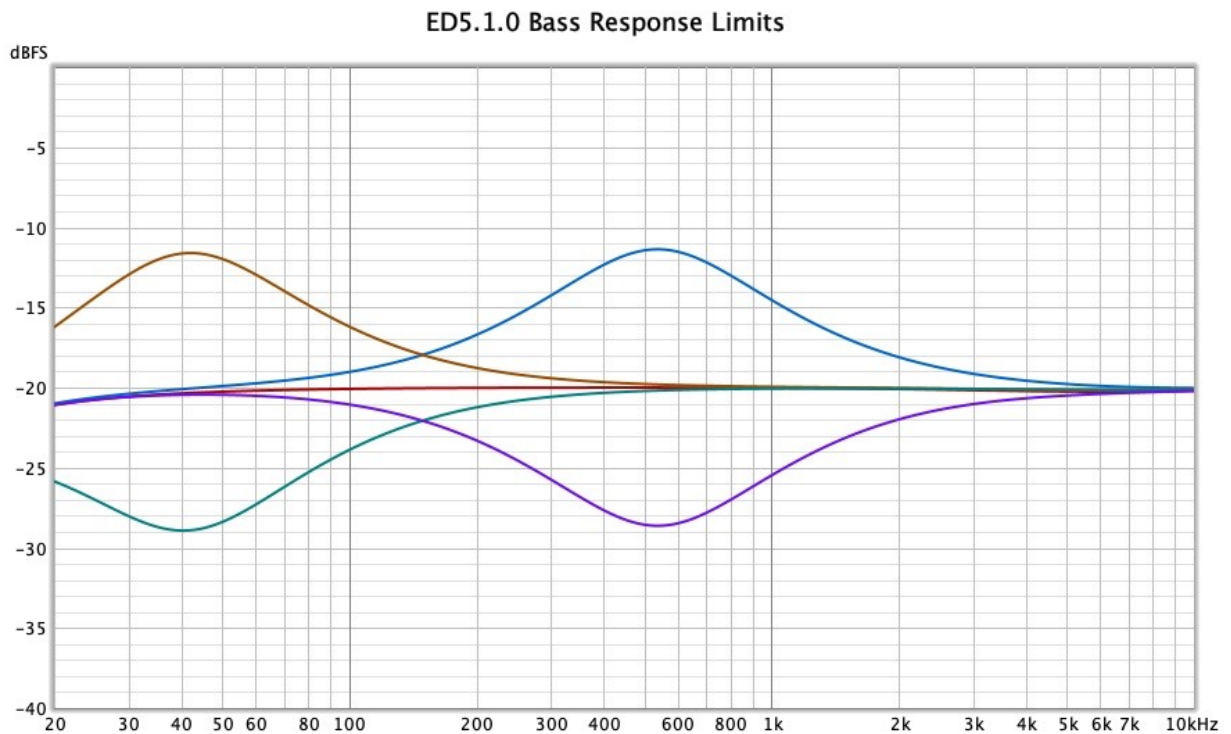
### Setup and Adjustment

There are no adjustments on the ED5. Test your equalizer after installation to make sure both the frequency and boost controls are working. A loud "motorboating" noise means the cables are probably reversed.

# Specifications

The ED5 filter has the following specifications. For custom tunings, contact [tim@underhillbass.com](mailto:tim@underhillbass.com) to discuss options and prices.

Supply voltage	9-18V (supplied by PD)
Low frequency (variable)	41-540 Hz
Low boost/cut (variable)	0 dB - 8.5dB
High frequency (variable)	610-6300 Hz
High boost/cut (variable)	0 dB - 11dB
Idle Current	0.9 mA
Dimensions	25.6 x 18 x 5.3 mm



### ED5.1.0 Treble Response Limits

