



Graphic Equalizer (5 or 6 Band) Instructions

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Use the General Build Instructions document where applicable. Read and use the itemized notes that follow in this document.

1. This project is based on a 10 band October 1977 project from ETI (Electronics Today International).
2. The Gain control can be a trimmer or a panel mount potentiometer for ease of setting the gain and better use as a tone-controlled booster.
3. The center frequency of each band is determined by 2 caps, CA and CB. The schematic shows a table with values of CA and CB for various the center frequencies. You can tweak these capacitor values to suit your needs, see the next item for more information.
4. This layout is for a 6 band equalizer. If you want to have a 5 band EQ instead, just don't populate the CA, CB and pot positions for one of the channels. The first channel (62.5Hz) has very little effect with a 6 string, but would be more useful with a 7 string. This project focuses on the optimized values for a 5-band graphic EQ for a standard tuning 6-string guitar. There is a layout and wiring diagram provided for the 5-band equalizer with a panel mount gain control.
5. This project can be powered with a single 9v battery. It can also be powered with a bi-polar (+/-) 9v supply for increased headroom. Refer to the schematic for power supply connection details.
6. Current draw with a single 9v supply is 12.6 mA.