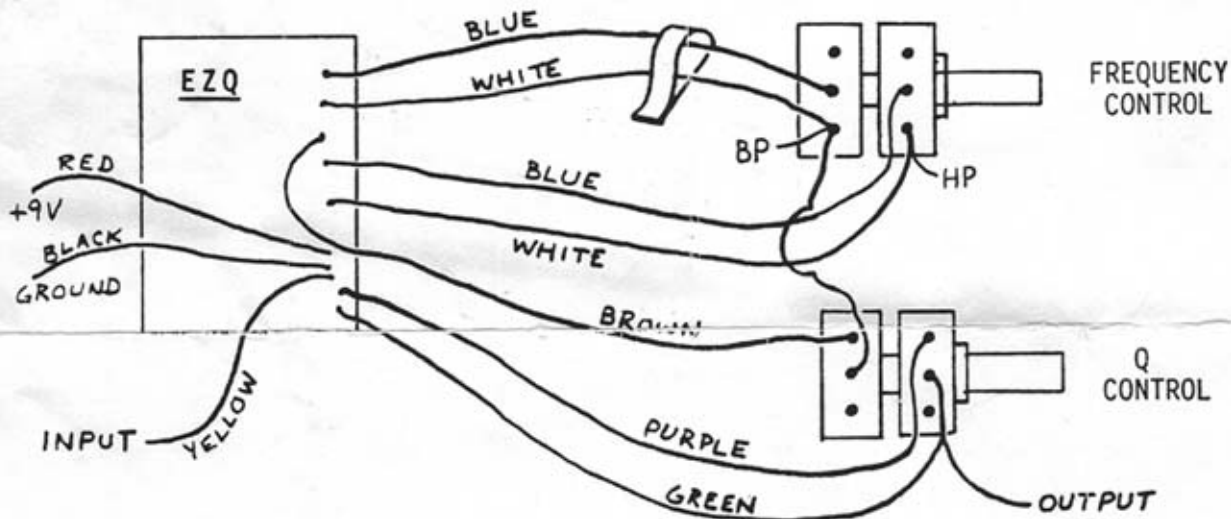
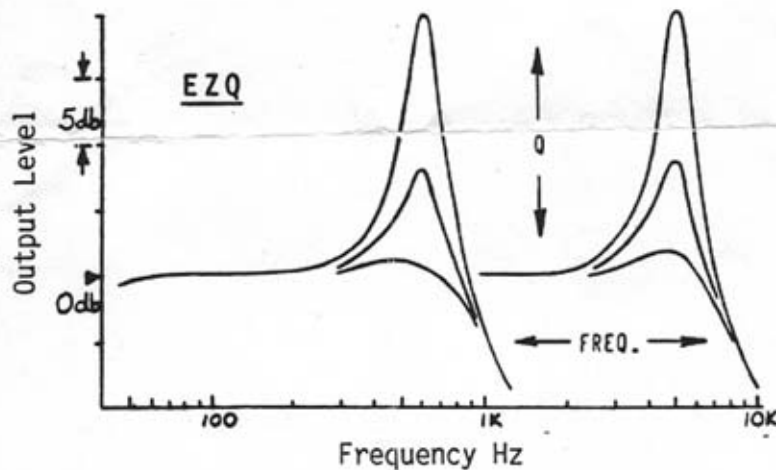


# bartolini

## PARAMETRIC FILTER — EZQ module

This module is specifically intended as a low pass filter with variable (compensated) Q, but it can also be used as a bandpass or highpass filter.

Using the EZQ with our bass hum-cancellers provides the utmost definition for percussive (string slap) bass techniques, as well as a wide range of tonalities not achievable with standard (shelving) tone controls. The EZQ is a low noise filter that will accept input from any pickup or combination of pickups without instability or oscillation. This unit is smaller than the TCT and also uses a single 9V battery. Battery life is 2 months of continuous use. The EZQ requires 2 dual 50K-ohm pots for frequency and Q control. The frequency range extends from 600 Hz to 5000 Hz and the boost at maximum Q exceeds 20 dB. Decreasing the Q value increases the overall gain to maintain nearly constant loudness.



The input impedance of the EZQ is 270K-ohms, the output impedance is 10K-ohms. Its maximum undistorted output is 2.5 V rms.

The lugs marked BP and HP on the frequency control potentiometer provide bandpass and highpass response from the EZQ. A 1 mfd capacitor with its (+) terminal toward the EZQ should be used to connect these points to output jacks or cables. The (-) terminal of the capacitor should have a 27K-ohm resistor to ground to avoid pops when first plugging into these outputs.