

Powerbridge™ Passive Volume

Although we now recommend the active Fishman Powerchip™ for volume control of your Powerbridge™ Pickup, you may prefer to install a passive volume control (no onboard battery) as an adequate alternative. Here is a new circuit that is easily assembled from "stock" guitar pots and components available at any electronics parts retailer.

You will need:

- 250 k (or 300 k for long shaft Les Paul®) audio taper pot
- 330k resistor
- 820 pF capacitor
- 1500 pF capacitor

This diagram is specifically for Powerbridge™ equipped guitars with stereo-wiring (trs output) and passive circuitry (no preamp) for the piezo pickup. The network described below takes the

place of the 5 Meg pot that was until recently, included with each Powerbridge™ kit.

Benefits:

This passive circuit has a smoother taper and more even response than its (5 meg pot) predecessor.

As assembled below, this network will attenuate the Powerbridge™ so that it better matches levels between magnetic and piezo pickups. You can expect a 14 dB (nominal) decrease in Powerbridge output with this circuit.

Note: If you wish to blend magnetic and Piezo signals together at the instrument's output, you must install a Fishman Powerchip™ in place of the circuit described below.

