

Stereo Tone Control

This simple tone control can be used in many audio applications. It can be added to amplifiers, used as a stand alone control module, or even built into new and exciting instruments. Its one IC construction makes it a very compact circuit, as only a few support components are required. Plus, it does not use a dual power supply. This means that the circuit will run from $VCC = 9V$ to $15V$ (although the bass will be a little weak at $9V$).

S1 is a contour control. Volume is controlled by P1. Balance is controlled by P2. P3 and P4 control bass and treble, respectively. J1 is the left input, J2 is the right input. J3 is the left output, J4 is the right output. The circuit is designed to accept line level or mic level inputs. If you are going to be using a stronger signal, a voltage divider will be necessary to cut it down to proper levels. You can, of course, skip J1-J4 if you plan to integrate this circuit into another.

