

20 LED AUDIO VU METER

This circuit has 2 main sections, an op-amp amplifier and LED display. Any LEDs can be used, bar displays were used for ease. The input can be from almost any low level source. If using an electret microphone then add a 4.7Kohm resistor between +v and the input I/P. The gain of the amplifier, based around IC1, is controlled by VR1. It is effectively a DC amplifier since there is no need to use the negative part of the input signal. The final stage is a standard design for the LM3914. Alter R7 to control LED brightness but be careful not to over-drive the IC's. It's recommended that you don't use a value less than 820ohms. Refer to the LM3914 datasheet for details.

Audio input:
20mV to 500mV.
Sources can be
electret microphones
or line inputs from

