

EP Boost

Components

C1	47nF	R3	1M	BOOST	10K Reverse Log (or Linear)
C2	3n3	R4	4K7		
C3	10uF Electrolytic	R5	8K2	Q1	MMBF5457
C4	10uF Electrolytic	R6	1K	Q2	2N5088
C5	100uF Electrolytic	R7	15K	Q3	2N5457
C6	10uF Electrolytic	R8	10K		
C7	10uF Electrolytic	R9	10K	ONLY USE	Q1 or Q3, not both!
C8	100uF Electrolytic	R10	1M		
		R11	10K	SWITCH	2 Position DIP Switch
R1	1M	R12	47K		
R2	33K	R13	100 OHM		

Build Notes

Because it is getting harder to find genuine 2N5457 JFET parts (most ones on ebay are fake) this PCB has the option to use a surface mount part Q1 instead. You only need to use **Q1** or **Q3** not both! The DIP switch is used to engage the brightness or EQ boost, try the settings before you screw the back of the case on and see which you like best. A reverse log pot gives a better volume sweep, but you can use a linear one if you can't find a C10K pot.

Board Connections

The PCB connections are labelled as the following:

I - Input, O - Output, V - 9V DC in, G - Ground

Potentiometers are connected from pin 1 to the square pad on the PCB. This board was designed so you can use a right-angle board mount potentiometer if desired, otherwise you will need to solder wired from the pads to the correct pin/lug. Jack sleeves and DC centre pin should be connected to ground. V and LED+ should be connected to the positive pin of the DC connector.

