

Distortion+

Components

C1	1uF Electrolytic	R1	1M	GAIN	1M Linear
C2	10nF (Poly Film)	R2	1M	VOLUME	10K Linear
C3	1nF (Poly Film)	R3	1M		
C4	220nF (Poly Film)	R4	10K		
C5	1uF tantalum or electrolytic	R5	1M	CLIP SWITCH	SPDT Solder Lug
C6	10pF (Ceramic)	R6	1K		
C7	1nF (Poly Film)	R7	10K		
		R8	1M		
D1 + D2	1N4148				
D3 + D4	Optional (try Germanium 1N34A or similar)				
IC1	LM741 or TL071				

Clipping Diodes

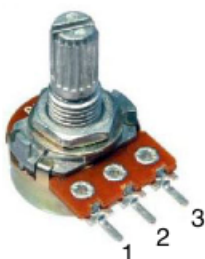
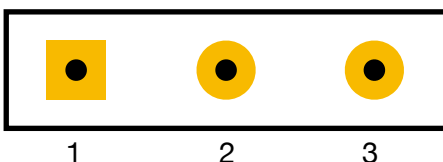
This PCB has the option to switch between 2 sets of clipping diodes. If you only want to use one, only put D1 and D2 in, and solder a wire link between the top two pads of the CLIP switch on the PCB. For some different sounds, try germanium diodes with a low forward voltage like 1N34A in D3 and D4. This gives a more fuzzy sound compared to the crunchier 1N4148.

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 right-angle board mount potentiometers on it 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 should be connected to the positive pin of the DC connector.



3PDT Footswitch

