

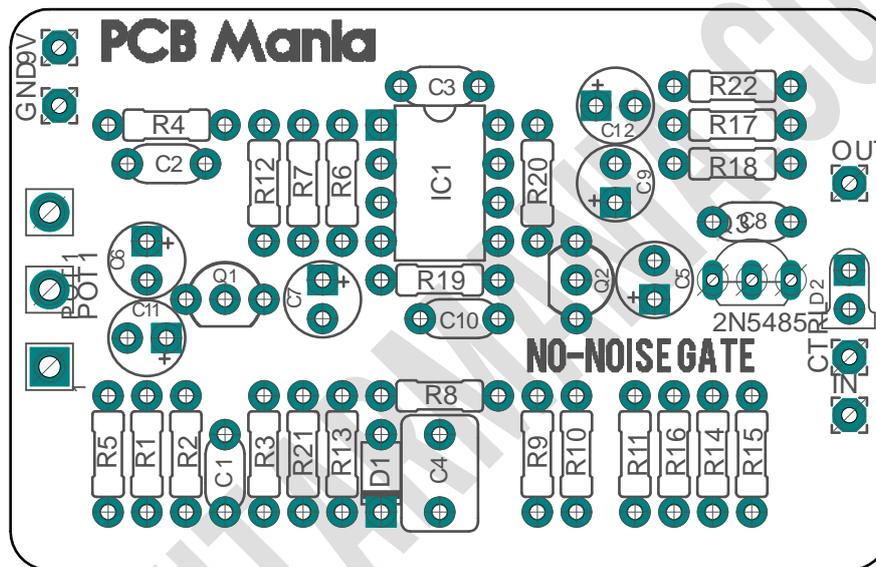
No-Noise Gate

Based on MXR Noise Gate

Noise Gate

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[Project link](#)



The No-noise gate has been designed based on the classic MXR Noise Gate. Tame down all the unwanted noises of your signal chain, hum, hiss, and all those uncomfortable noises usually associated to the high gain drives.

- Tight Fit, designed for a 1590B enclosure, yet small enough to fit in the same enclosure after a high gain drive.
- Ready to be wired as True Bypass
- Works based on a Dual Op Amp, 2 2n3904 transistors and a JFET 2n5485

BOM

Resistors		Capacitors		
R1	2m2	C1	10nf	
R2	10k	C2	10nf	
R3	470k	C3	47nf	
R4	22k	C4	10nf	
R5	1k	C5	1uf	Electro
R6	1m	C6	2.2uf	Electro
R7	4k7	C7	10uf	Electro
R8	22k	C8	10nf	
R9	100k	C9	10uf	Electro
R10	1m	C10	10nf	
R11	150k	C11	10uf	Electro
R12	22k	C12	10uf	Electro
R13	1m			
R14	1k8	Semi conductors		
R15	1m	Q1	2N3904	
R16	100k	Q2	2N3904	
R17	10k	Q3	2n5485*	
R18	100r	IC1	lm4558	
R19	1m			
R20	1m	Diodes		
R21	22k	D1	5v1	Zener 0.5W
R22	2k7- 4k7	D2	Led 3mm	
Pots				
POT1	500k Log**			

Q3* The 2n5485 isnt the most easy to find transistor out there, some people reported using a 2n5457 without any problem. Also you can use a 2n5952 reversed to the silkscreen

POT1** The original build uses a 500k logarithmic pot, although some people prefer to use a lineal one.

General Building notes

To populate the PCB it's recommended to follow this order.

1. Resistors & diodes

2. IC Sockets (set up the proper IC at last)
3. Capacitors, starting with the smaller ones and the ceramic ones.
4. Electrolytic capacitors (always check the polarity)
5. Transistors
6. Wires
7. Potentiometers
8. Off board wiring

Drilling the enclosure

This Project has been planned to fit into a 125B enclosure type.

Check the Attached “Drilling templates” to drill the box properly. The files are on Scale 1:1, ready to print in a A4 page.

Schematic

