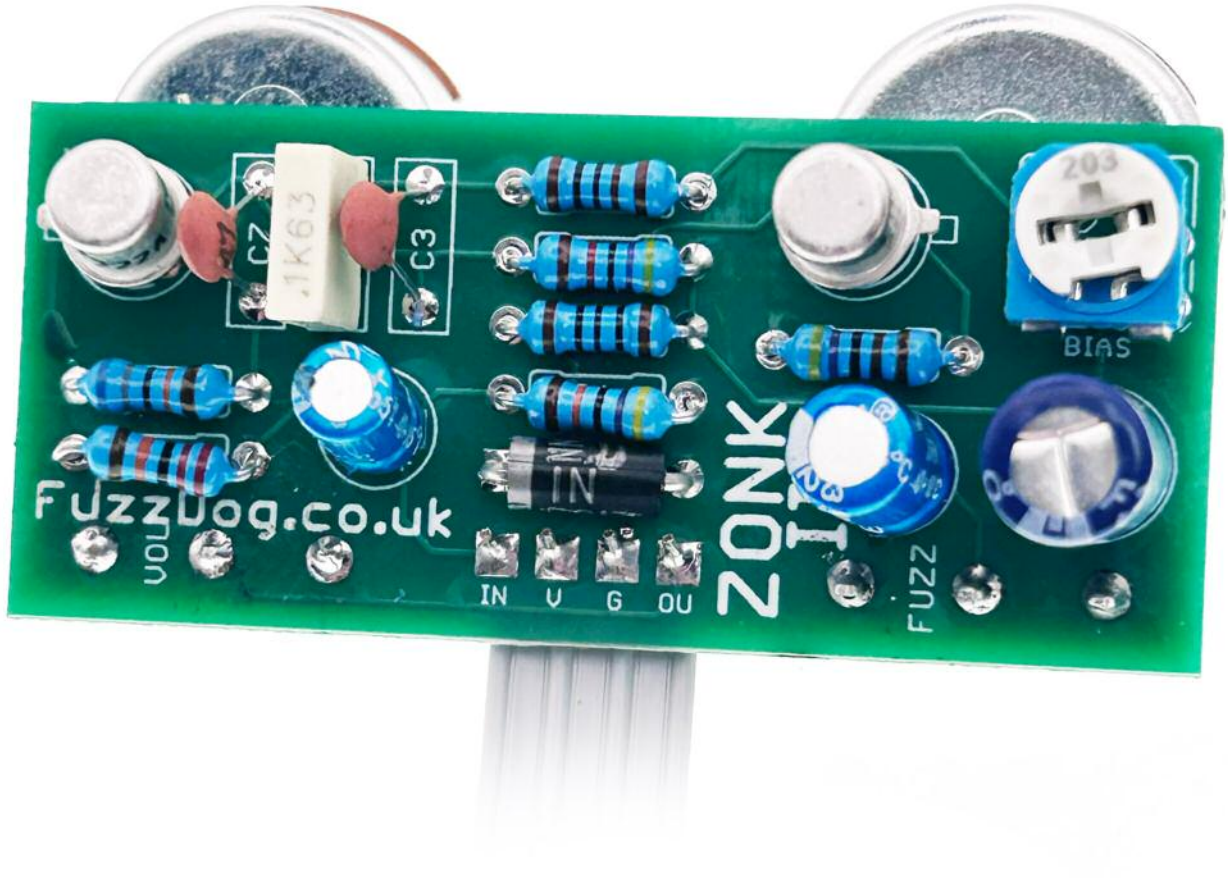
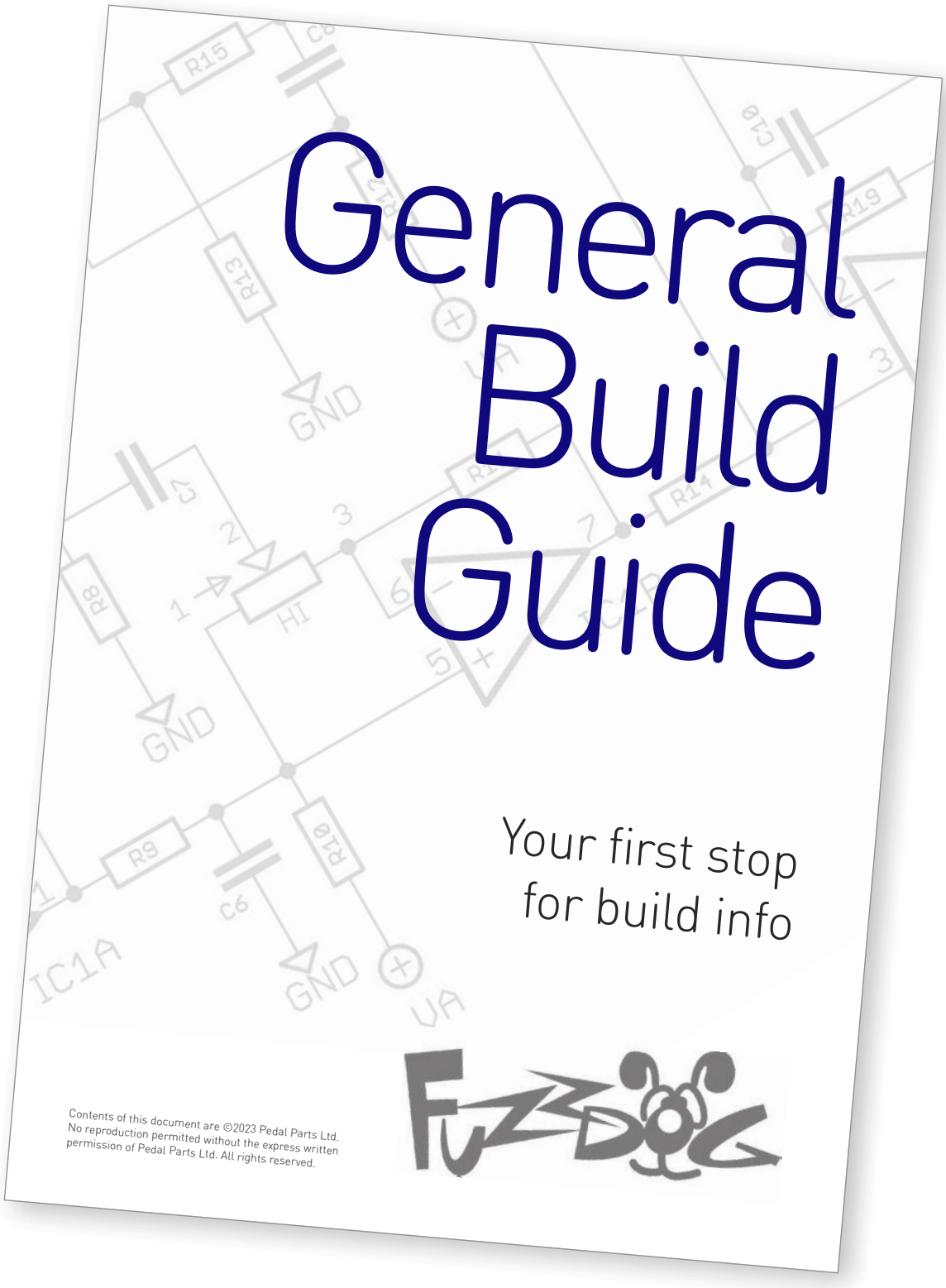



# Zonk II

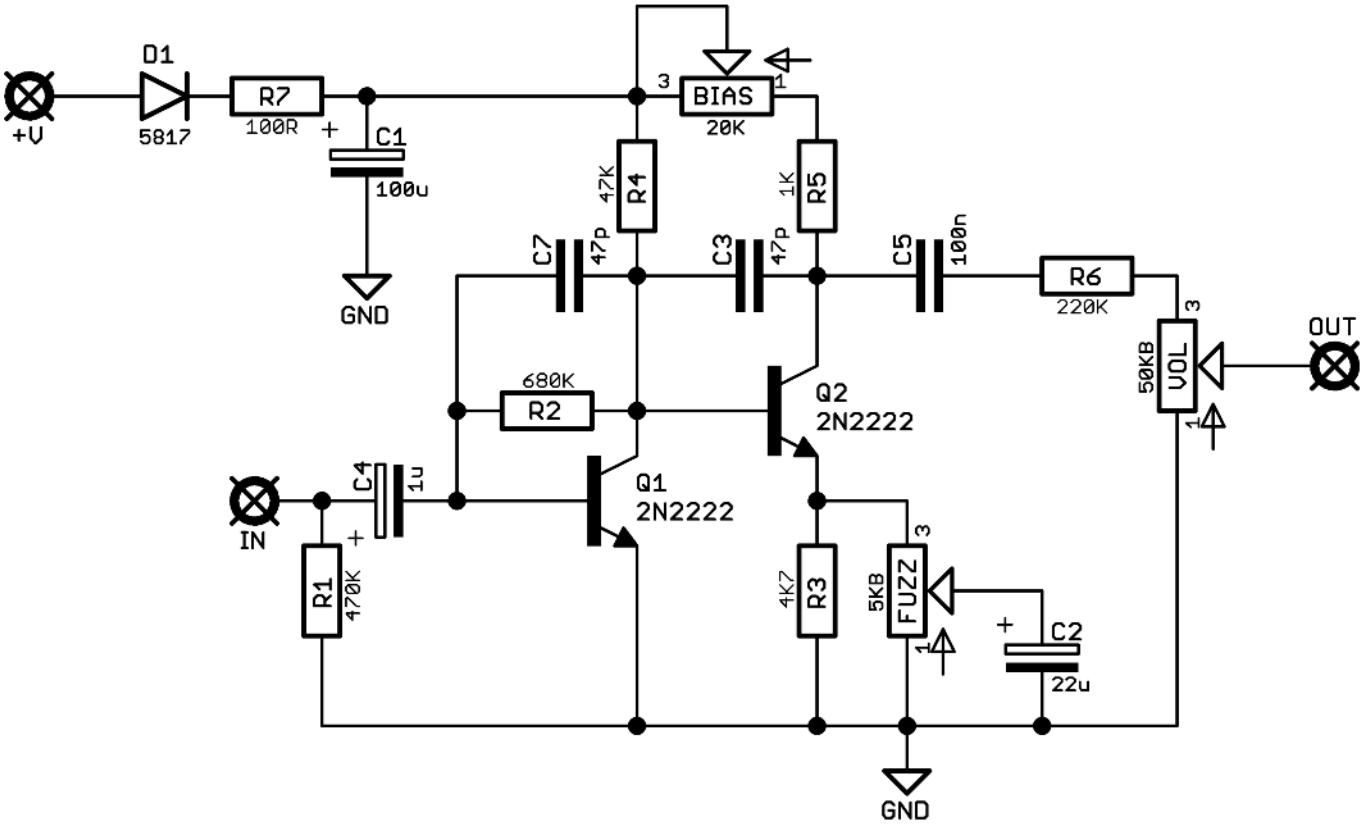
## Vintage silicon-based fuzz

Before you dig in, ensure you download and read the **General Build Guide**.

It contains all the information you need for a successful outcome.



# Schematic + BOM




| | |
|---|---|
| R1 | 470K |
| R2 | 680K |
| R3 | 4K7 |
| R4 | 47K |
| R5 | 1K |
| R6 | 220K |
| R7 | 100R |
| C1 | 100u elec |
| C2 | 22u elec |
| C3 | 47p |
| C4 | 1-10u elec |
| C5 | 100n |
| C7 | 47p |
| D1 | 1N5817 |
| Q1-2 | 2N2222 |
| FUZZ | 5KB |
| VOL | 50KB |
| BIAS1 | 20K Trimmer |

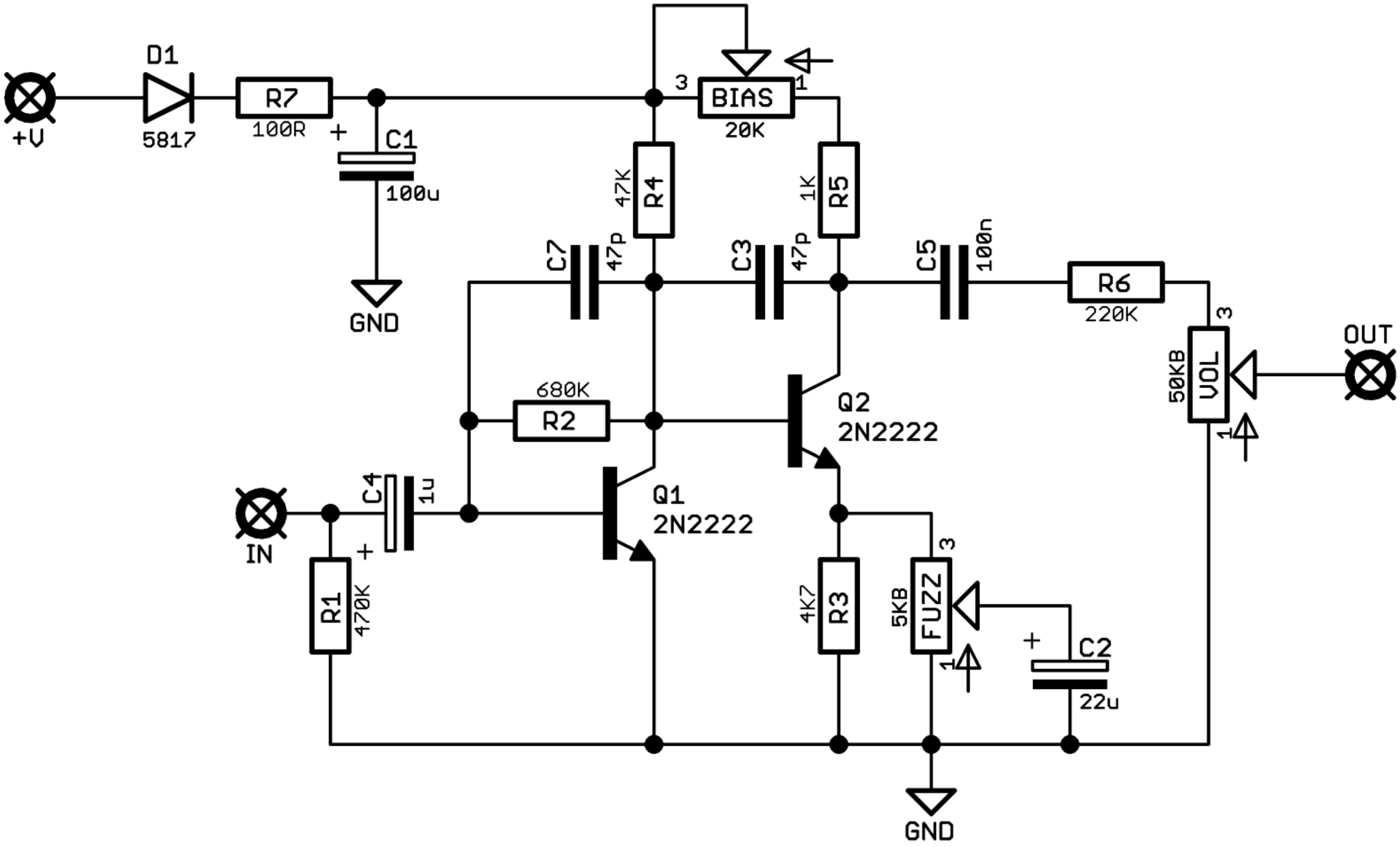
We've deviated from the original schematic a tad, as things can always be improved.

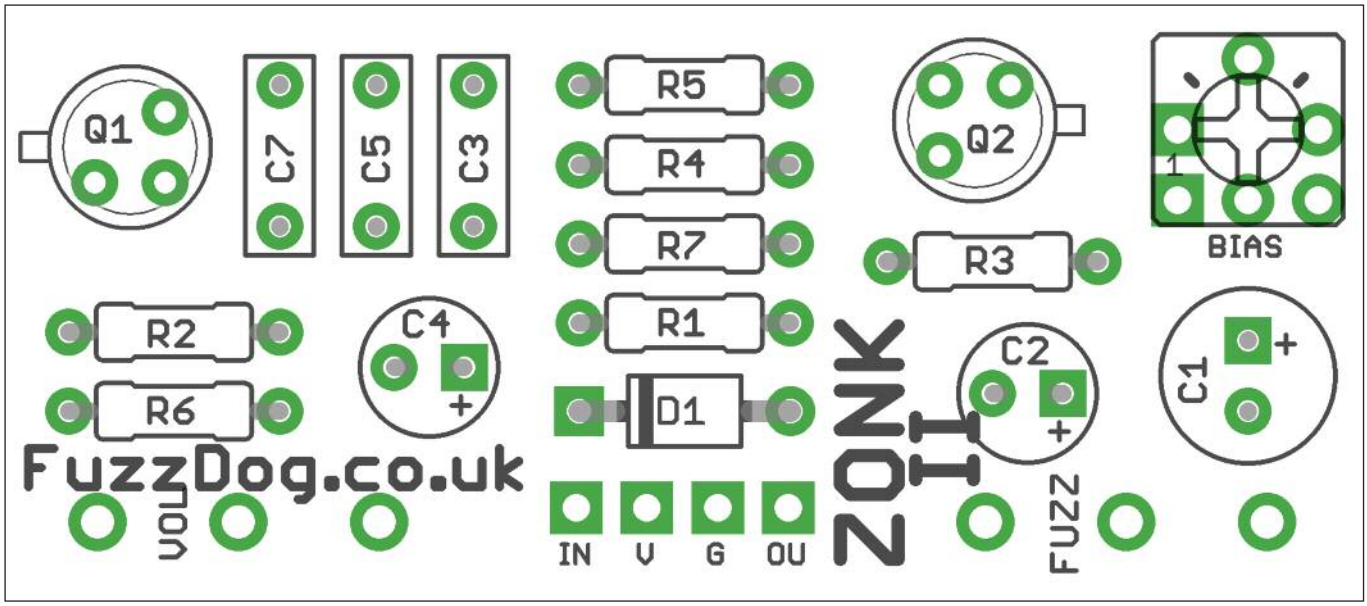
R6 was originally 2M2, but this takes the output way below unity. Our friend Markus @ Reeves Electro swapped this out for 220K, and why not? Makes the output everything it should be. Volume pot was log, but linear works much better.

The 2N4061 transistors are obsolete, so sub whichever low gain NPN BJT you prefer. We like 2N2222.

C3 and C7 have been added to tame the top end and prevent high frequency oscillation. Feel free to leave them out, but we told ya.

Don't get hung up on numbers for the biasing. Adjust the trimmer until you get nice fuzz with minimal gating on the decay.


+V
D1
5817
R7
100R
C1
100u
GND
3
BIAS
1
20K
R4
47K
R5
1K
C7
47p
C3
47p
C5
100n
R6
220K
3
50KB
VOL
1
OUT
680K
R2
Q2
2N2222
IN
C4
1u
Q1
2N2222
R1
470K
4K7
R3
3
5KB
FUZZ
1
C2
22u
GND




Snap the small metal tag off the pots so they can be mounted flush in the box.

You should solder all other board-mounted components before you solder the pots.

Once they're in place you'll have no access to much of the board.

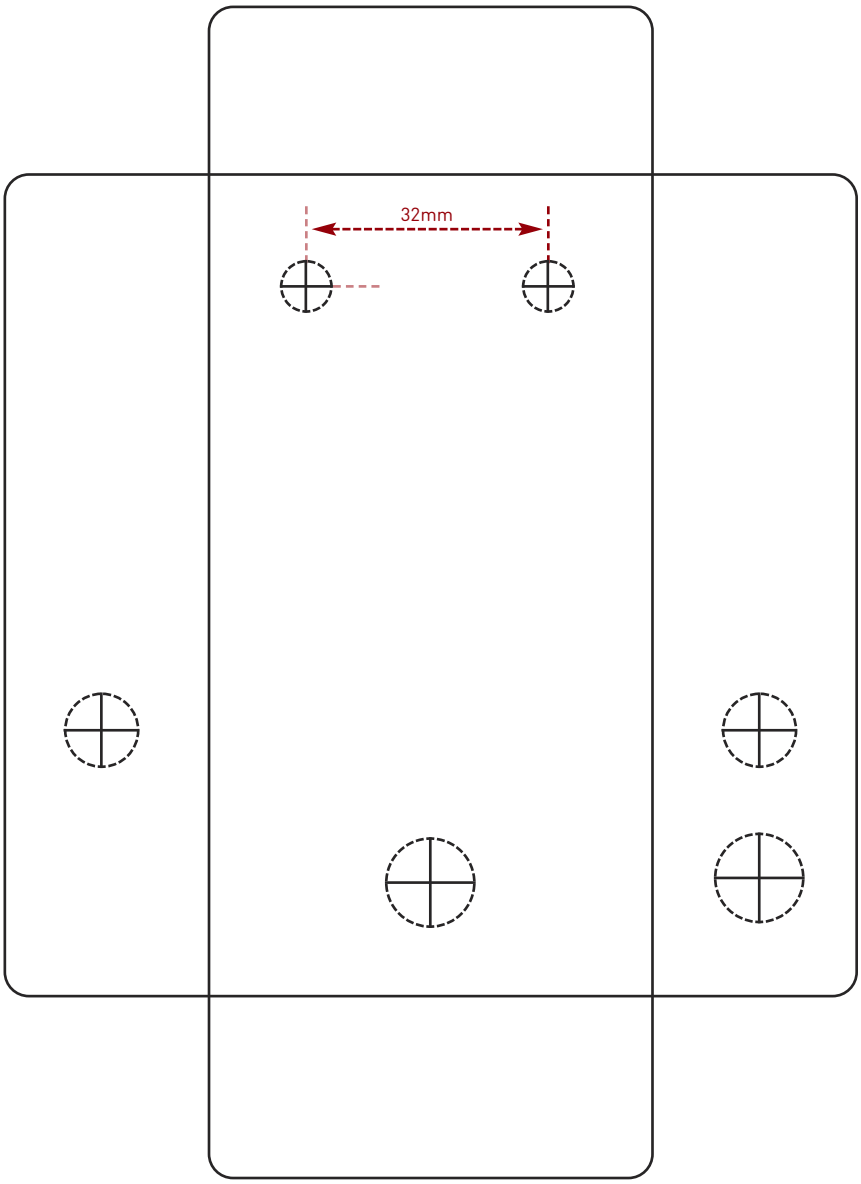
# Drilling template

**Hammond 1590B - 60 x 111 x 31mm**

Drill sizes listed are minimum.
It's a good idea to add 1mm to anything mounted on the PCB that'll poke through the front of the enclosure.

Drill sizes:

| | |
|---|---|
| Pots | 7mm |
| Jacks | 10mm |
| Footswitch | 12mm |
| DC Socket | 12mm |
| Toggle switches | 6mm |
| Rotary switches | 10mm |




This template is a rough guide only. You should ensure correct marking of your enclosure before drilling. You use this template at your own risk.
Pedal Parts Ltd can accept no responsibility for incorrect drilling of enclosures.

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