

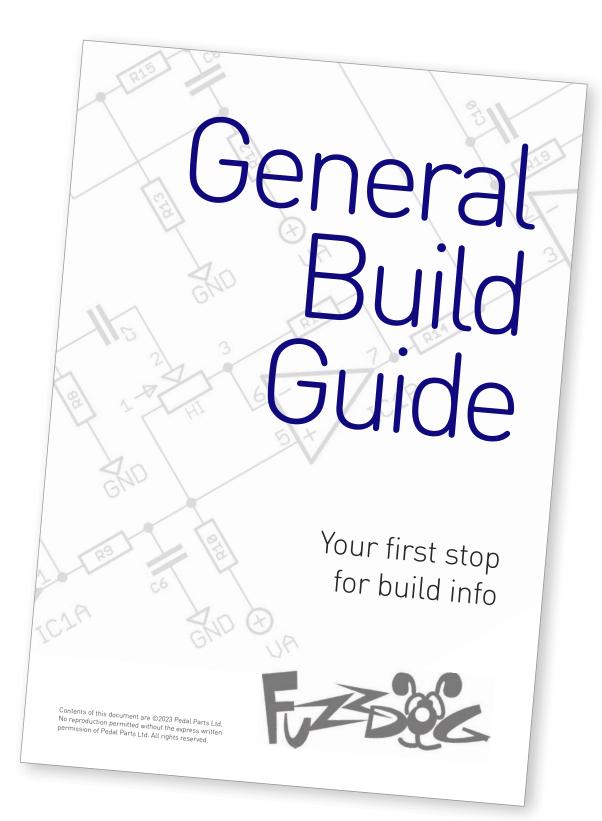
Magic Vibes v2

Optical tremelo with a Magnatone Amp feel

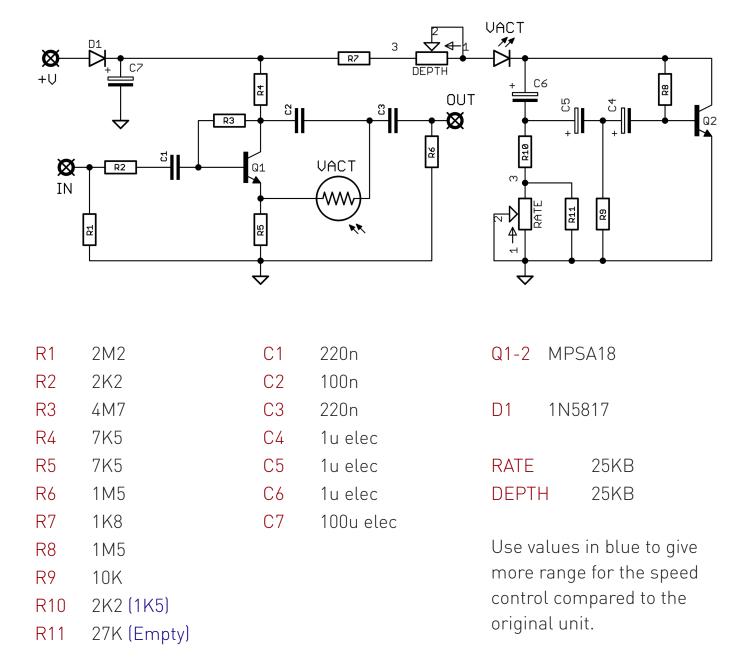


Before you dig in, ensure you download and read the **General Build Guide**.

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

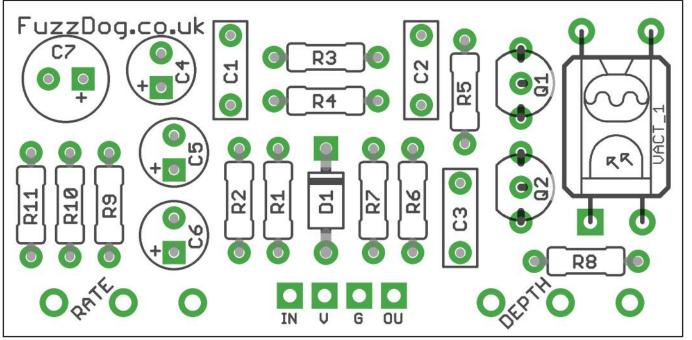


Schematic + BOM



A Vactrol can be used for LED/LDR, and the circuit has been tested with NSL32 and VTL5C3 with reasonable results. However, the right combo of LDR (Light Dependent Resistor) and LED give better depth. Experiments at FuzzDog HQ found that a LDR with very high Dark resistance (10M+) and a high-intensity 5mm red LED worked very well.

Note: The Vactrol part on the PCB has a square pad to indicate the + leg of the LED. If using a normal LED place the + (long) leg into the square pad. If using a NSL32, the dot on the body indicates the - leg of the LED side.



PCB layout ©2023 Pedal Parts Ltd.

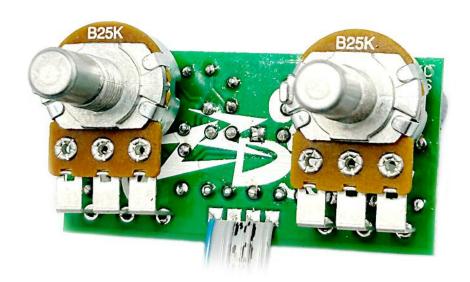
Snap the small metal tag off the pots so they can be mounted flush in the box.

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.

TESTING

If you're not using a vactrol you'll have to take steps to test the circuit in darkness, otherwise the LDR/LED combo isn't going to function. Once you have it boxed up in the enclosure you're fine - it'll be pretty dark in there.

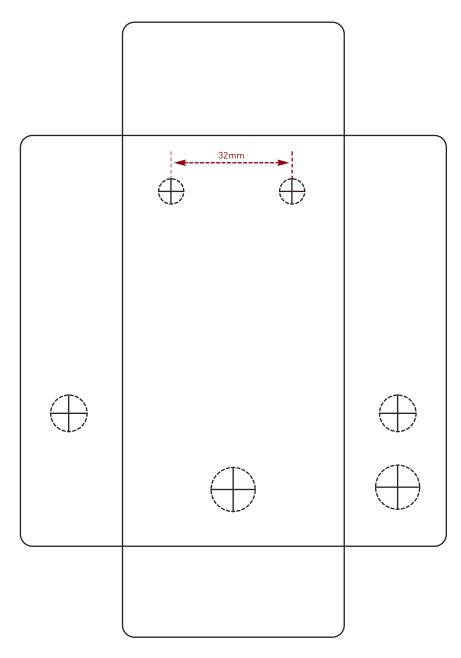


Drilling template

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.

FuzzDog.co.uk