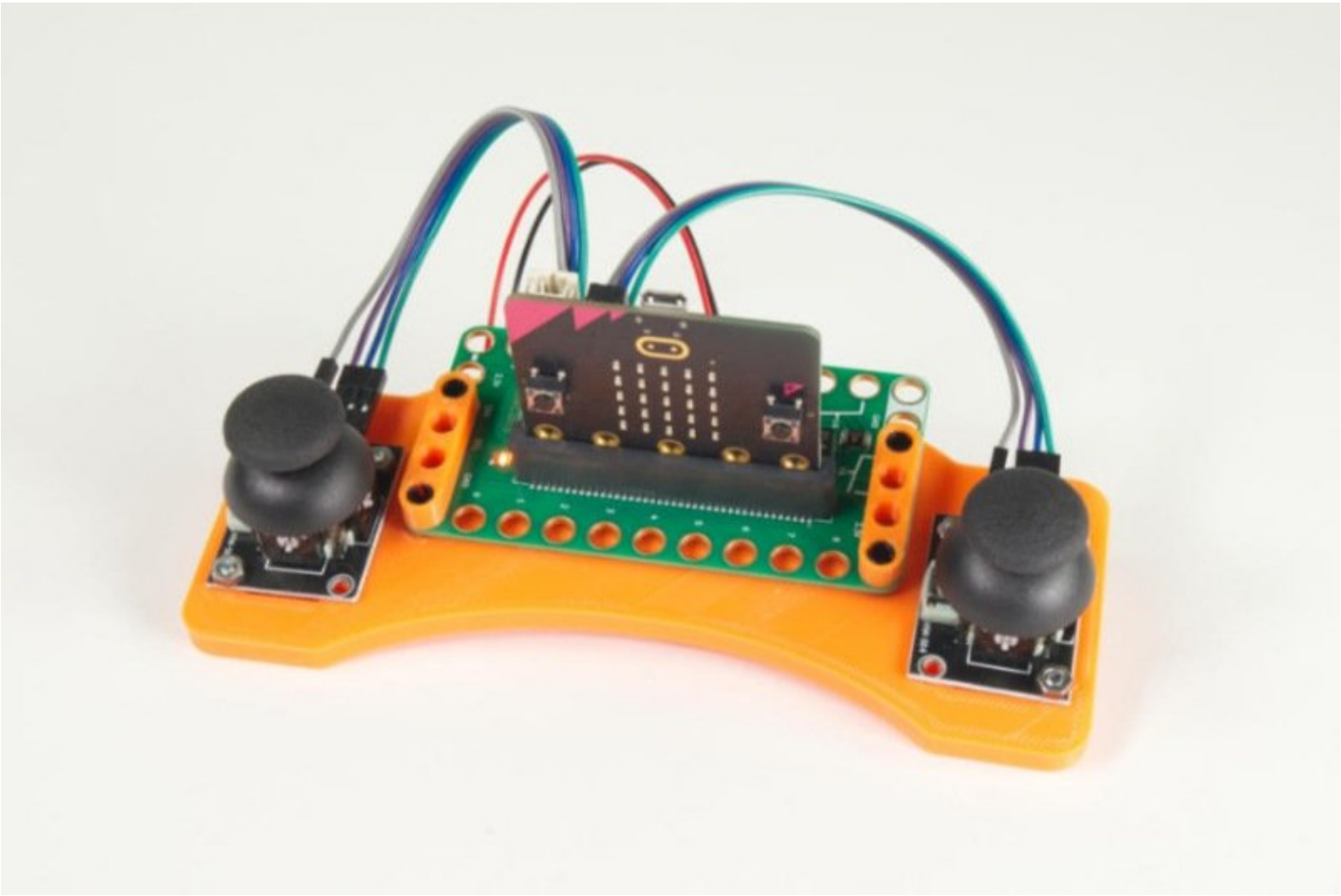
Rover Remote

A 3D Printed version of the Thumbstick Remote Control for our Rover. (In case you want to make your own.)

Written By: Pete Prodoehl



INTRODUCTION

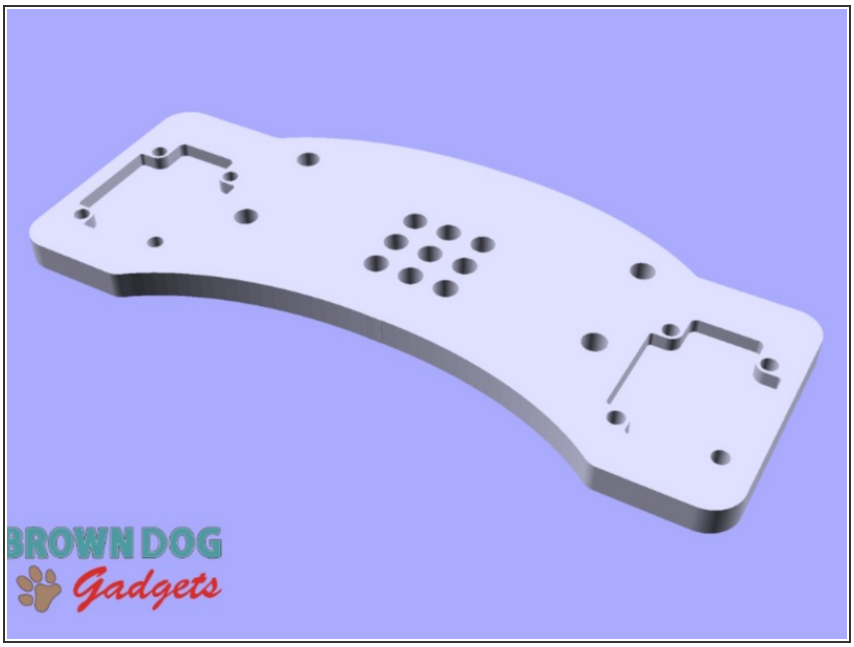
The files you fine here can be used to print (or laser cut) your own pieces for our Rover Remote.

(We recommend 3mm acrylic for the laser cut version. You will need to cut two pieces and stack them.)

TOOLS:

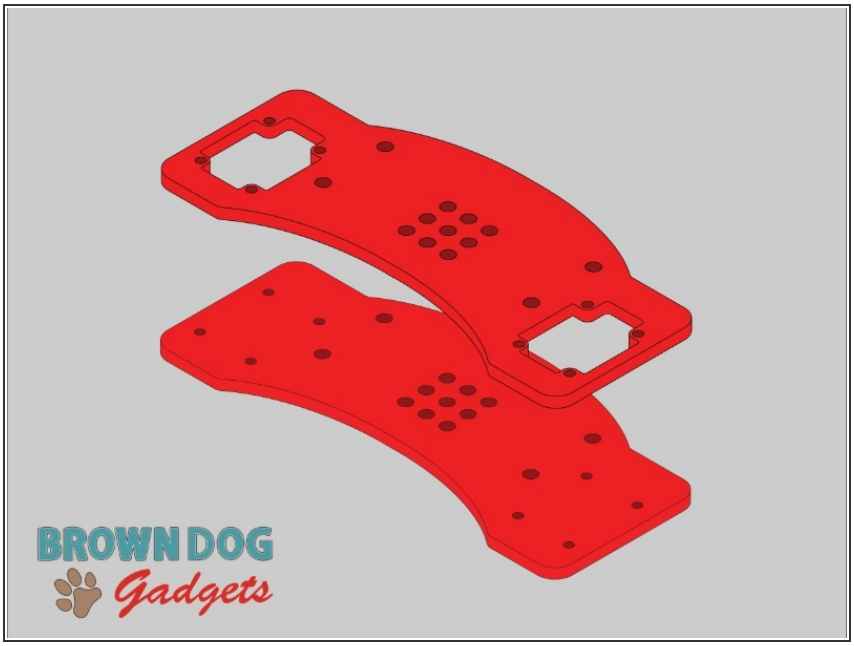
- 3D Printer (1)

Step 1 — Download and Print



- You can download the file and print it on your own 3D Printer.
- Find the file Rover-Remote-3D.stl in our GitHub repository: https://github.com/BrownDogGadgets/3D-Pr...

Step 2 — Or Download and Cut



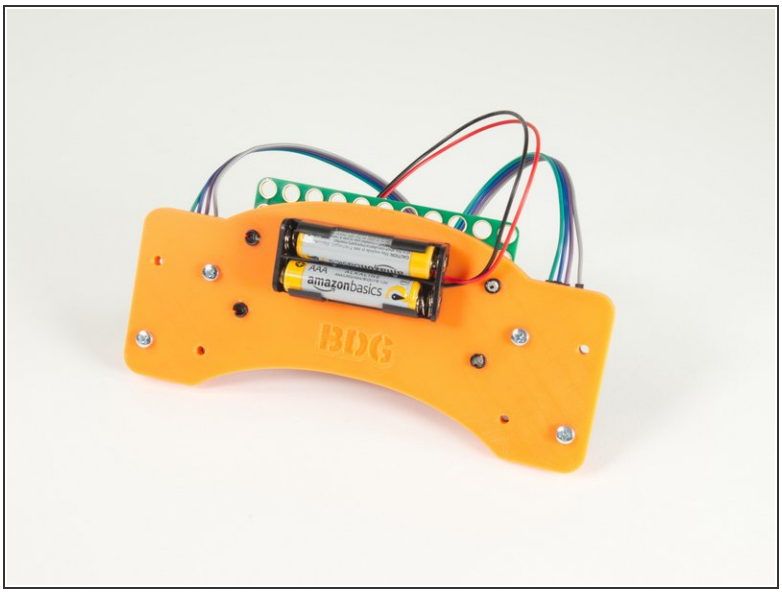
- We've also got a **laser cut version** of the file. It consists of two pieces that get stacked. (The top piece has

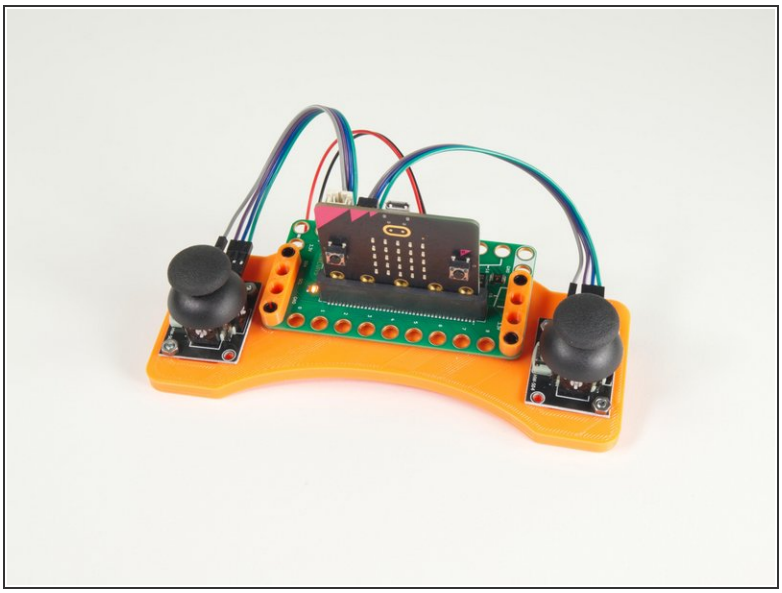
pockets for the bottom of the thumbsticks.)

- Find the file Rover-Remote-LC.svg in our GitHub repository: https://github.com/BrownDogGadgets/3D-Pr...

For best results use 3mm material.

Step 3 — Add Fasteners

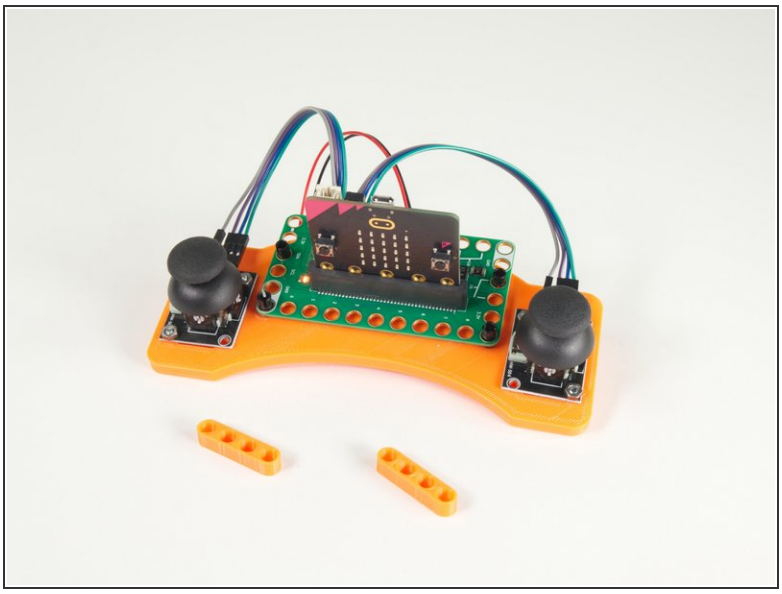


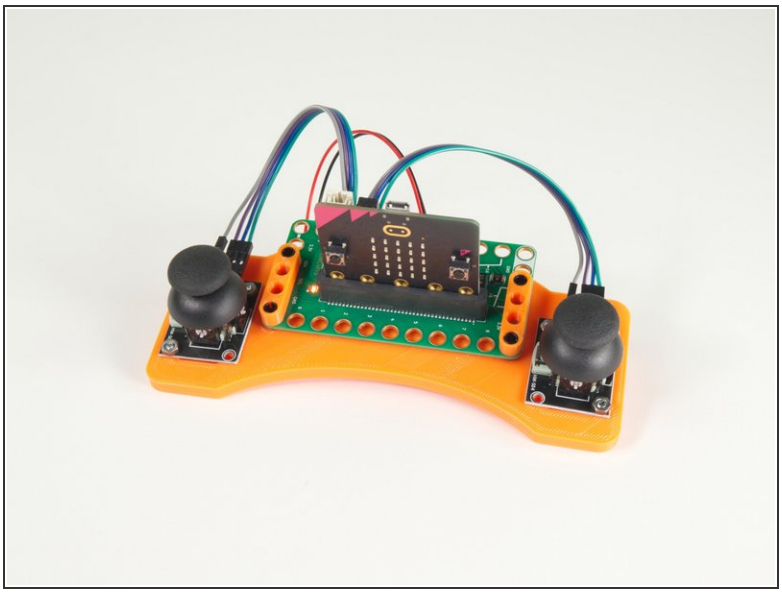


- To attach the Bit Board to the remote you'll need:
  - 4 x LEGO Technic Pin with Friction Ridges and Slots (2780 / 61332)
- To attach the Thumbsticks to the Remote you'll need:
  - 4 x Metric machine screws, Phillips pan head, Zinc plated steel, 3mm x 0.5mm x 10mm
  - 4 x Metric hex nuts, Zinc plated class 8.8 steel, 3mm x 0.5mm

For the laser cut version the 10mm long screws will work perfect if you used 3mm thick material. If you used a thicker material you will need longer screws.

Step 4 — Add Beams (Optional)





- If you want to add two beams to the pins to hold the Bit Board more securely, you can print the Beam files.
  - File the file Beam-4-Hole.stl here: https://github.com/BrownDogGadgets/3D-Pr...