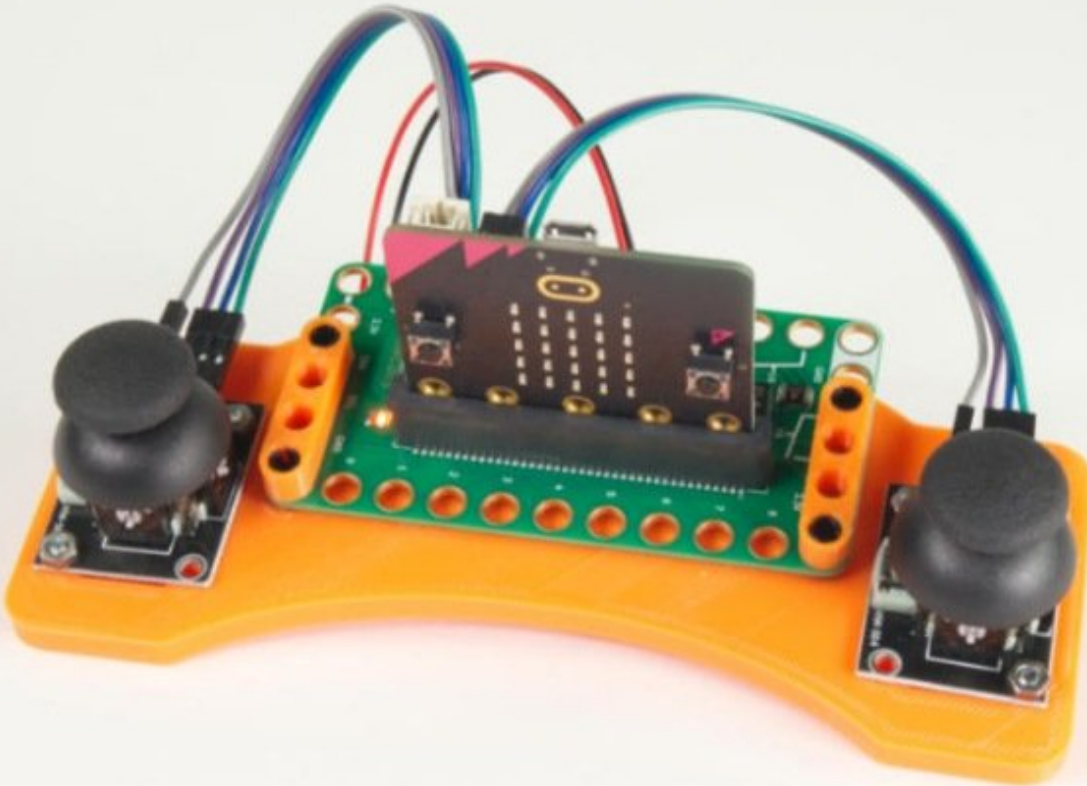




Rover Remote

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 find 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](https://github.com/BrownDogGadgets/Rover-Remote-3D.stl) in our GitHub repository:
<https://github.com/BrownDogGadgets/Rover-Remote-3D.stl>

Step 2 — Or Download and Cut



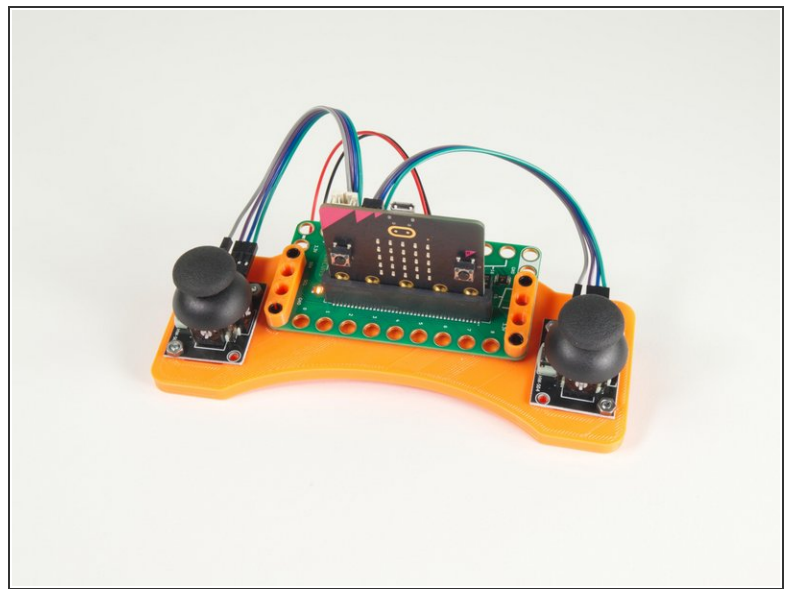
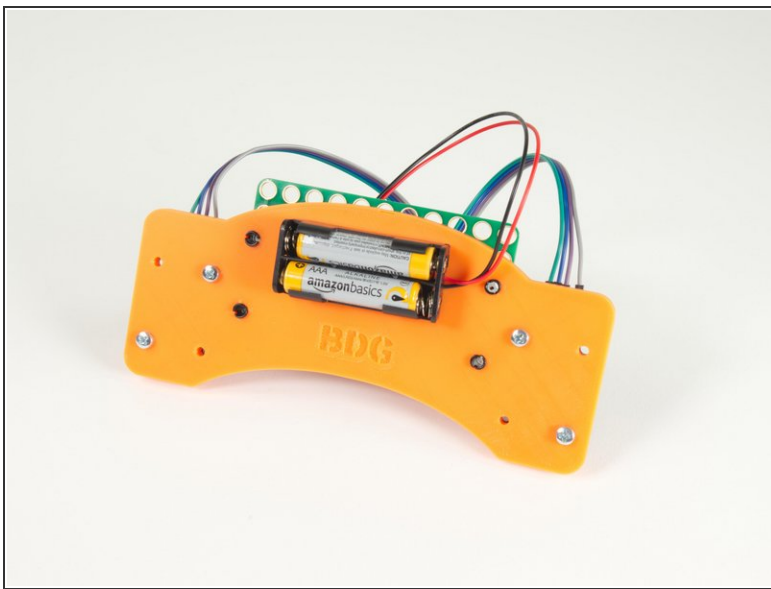
- We've also got a **laser cut version** of the file. It consists of two pieces that get stacked. (The top piece has

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.

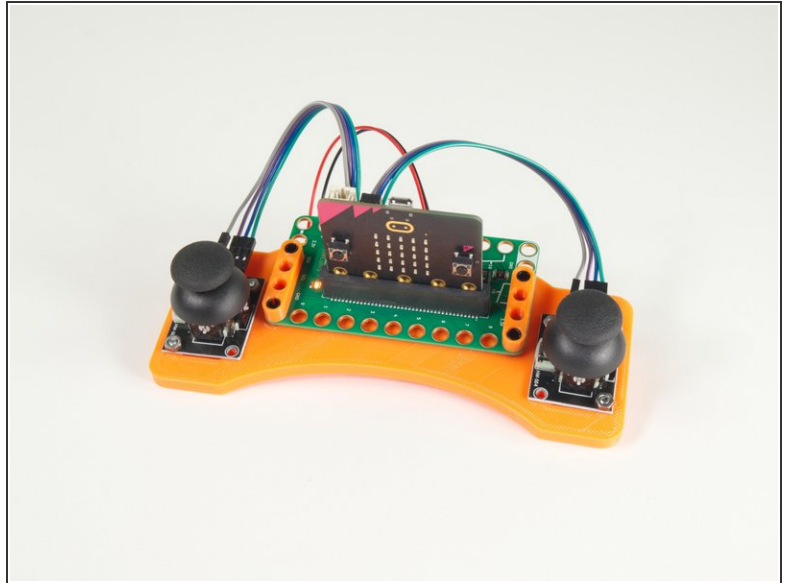
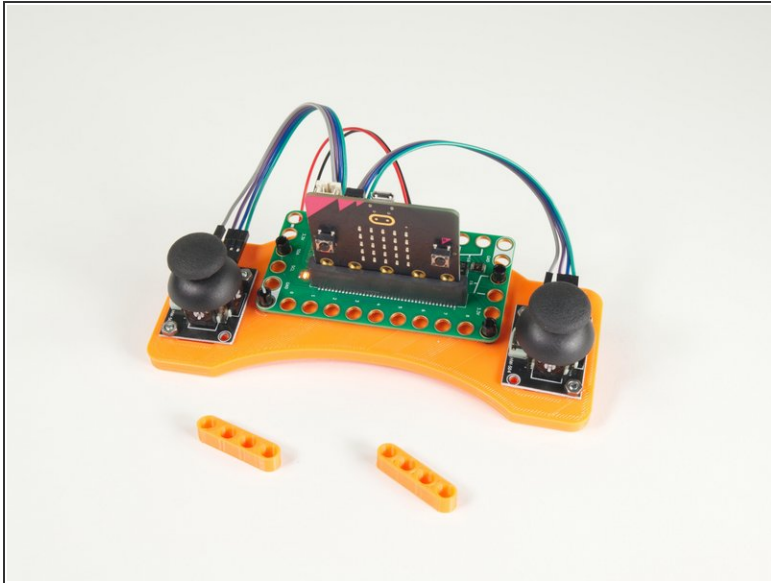
Step 3 — Add Fasteners



- 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](#)

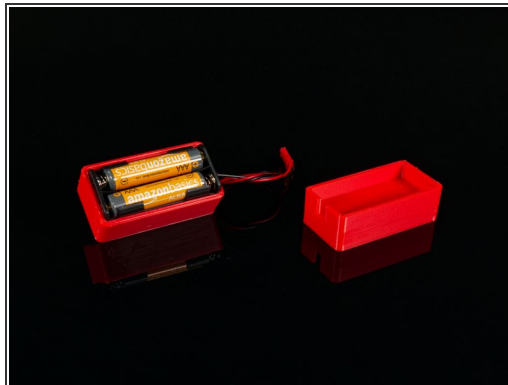
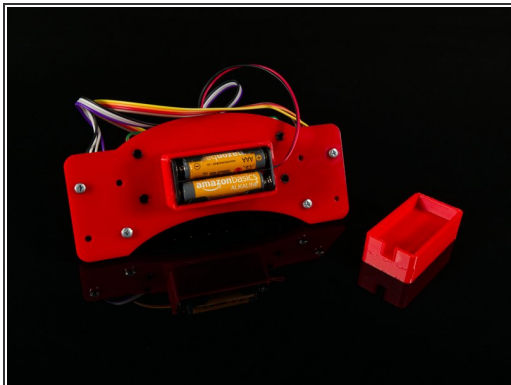
☒ For the laser cut version the 10mm long screws will work perfect if you used 3mm thick material. If you used a thicker material you will need longer screws.

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.
- Get the file [Beam-4-Hole.stl](https://github.com/BrownDogGadgets/3D-Pr...) here: <https://github.com/BrownDogGadgets/3D-Pr...>

Step 5 — Provide Power



- You will also need to print the [2AAA Battery Holder with Holes](#) to power the Rover Remote.