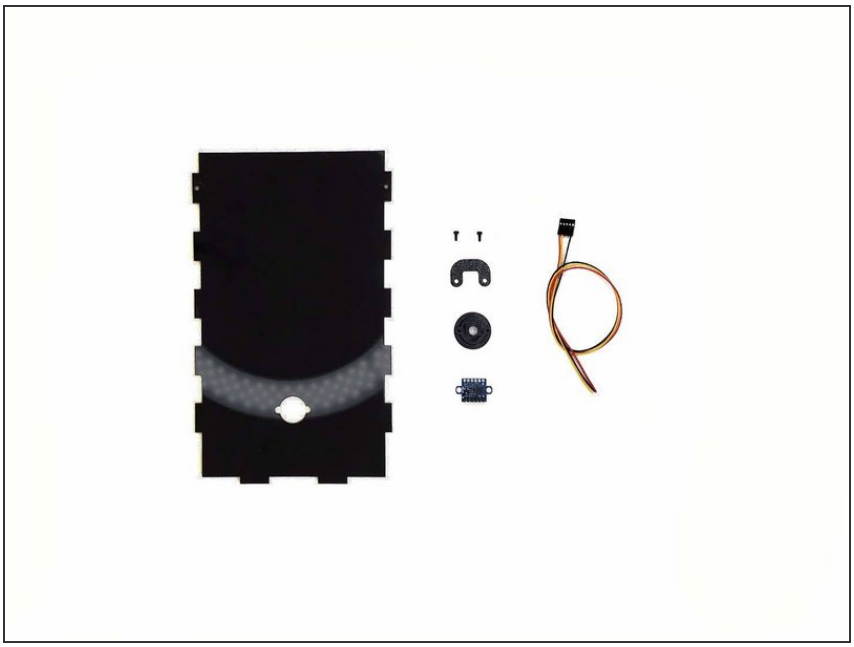
MyBar.io

4. Distance sensor and Rubber Pads

The distance sensor is one of the key components, mounting it correctly is paramount for consistent performance. The LED provides visible feedback.

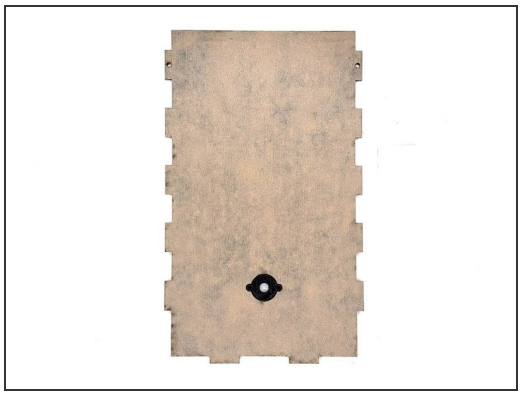
Written By: MyBar.io

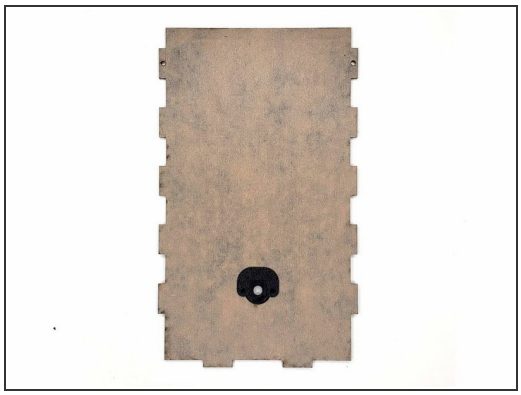
Step 1 — Distance sensor mounting (components)

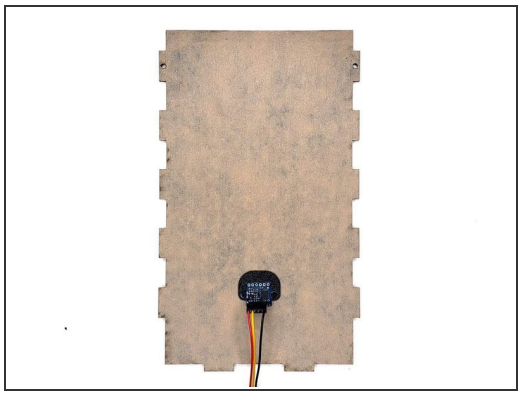


- Acrylic front
- Wire
- Distance sensor
- Screws M3 6mm (Silver) (2x)
- Sensor holder front (3d Printed)
- Sensor holder back (3d Printed)

Step 2 — Distance sensor mounting

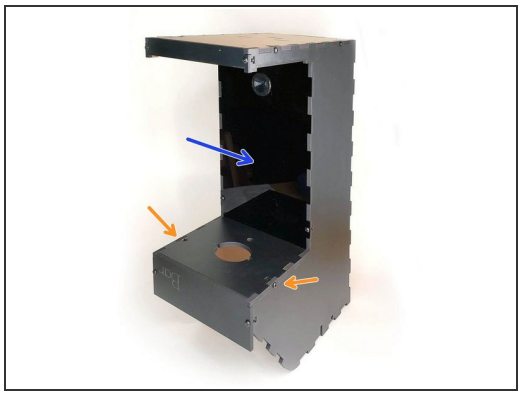


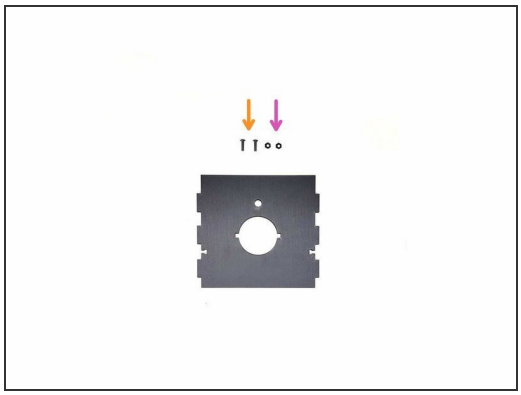


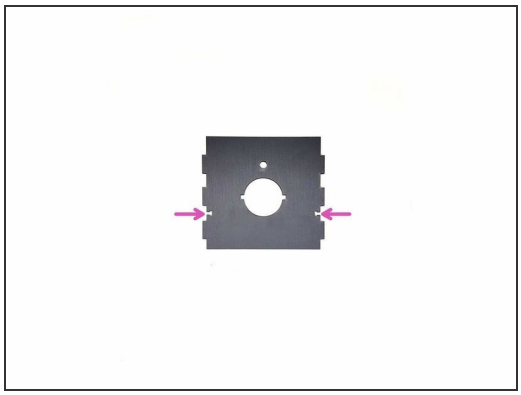


- Remove the protective paper from the acrylic.
- Insert the sensor holder front from the side of the acrylic without the protective paper.
- Turn the acrylic around and position the sensor holder back aligned with the holes for the screws on the sensor holder front.
- Position the distance sensor on top of the sensor holder back and align the holes for the screws.
- Inset and tight the screws.
- Connect the wire with the red wire starting all the way on the left of the distance sensor.

Step 3 — Mount acrylic front to the case

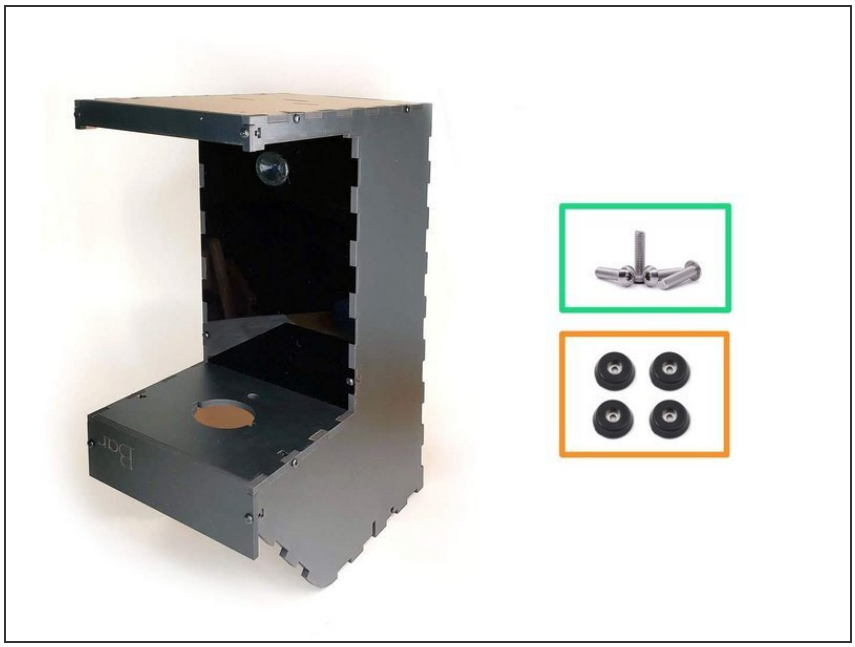






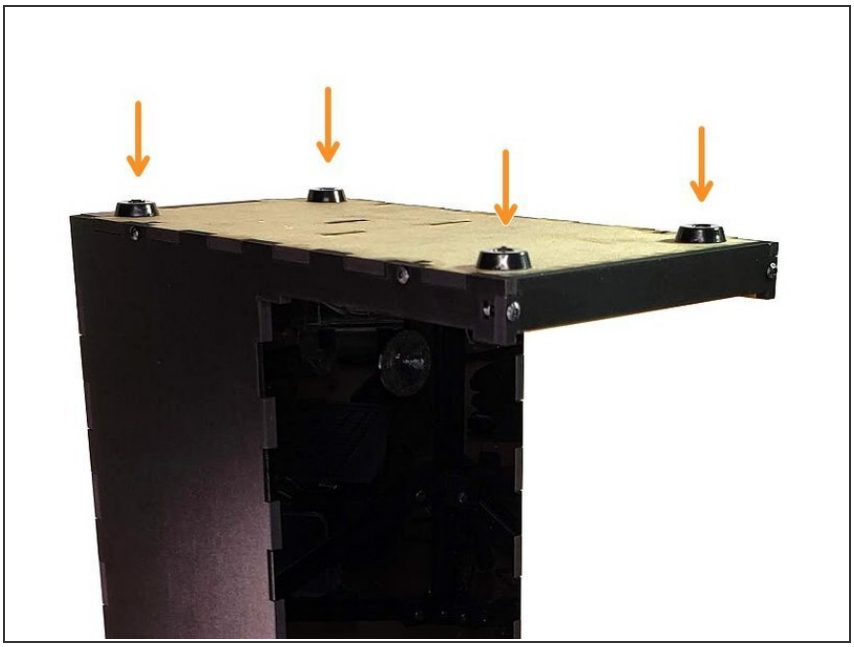
- First, position the acrylic front in the case with the sensor facing out.
- Place the "Top front bottom panel".
- Take the top front bottom panel and insert two M3 nuts.
- Inset and tight the M3 8mm screws (Black) (2x)

Step 4 — Attach Rubber Pads (components)



- Screws M3 6mm (Silver) (4x)
- Rubber Pads (4x)

Step 5 — Attach Rubber Pads



- Using the screws attach the pads to the case.

Step 6 — Done!

- Great job! If you have transparent motors please go to 5a. Pumps column assembly. If your motors are white 5b. Pumps column assembly