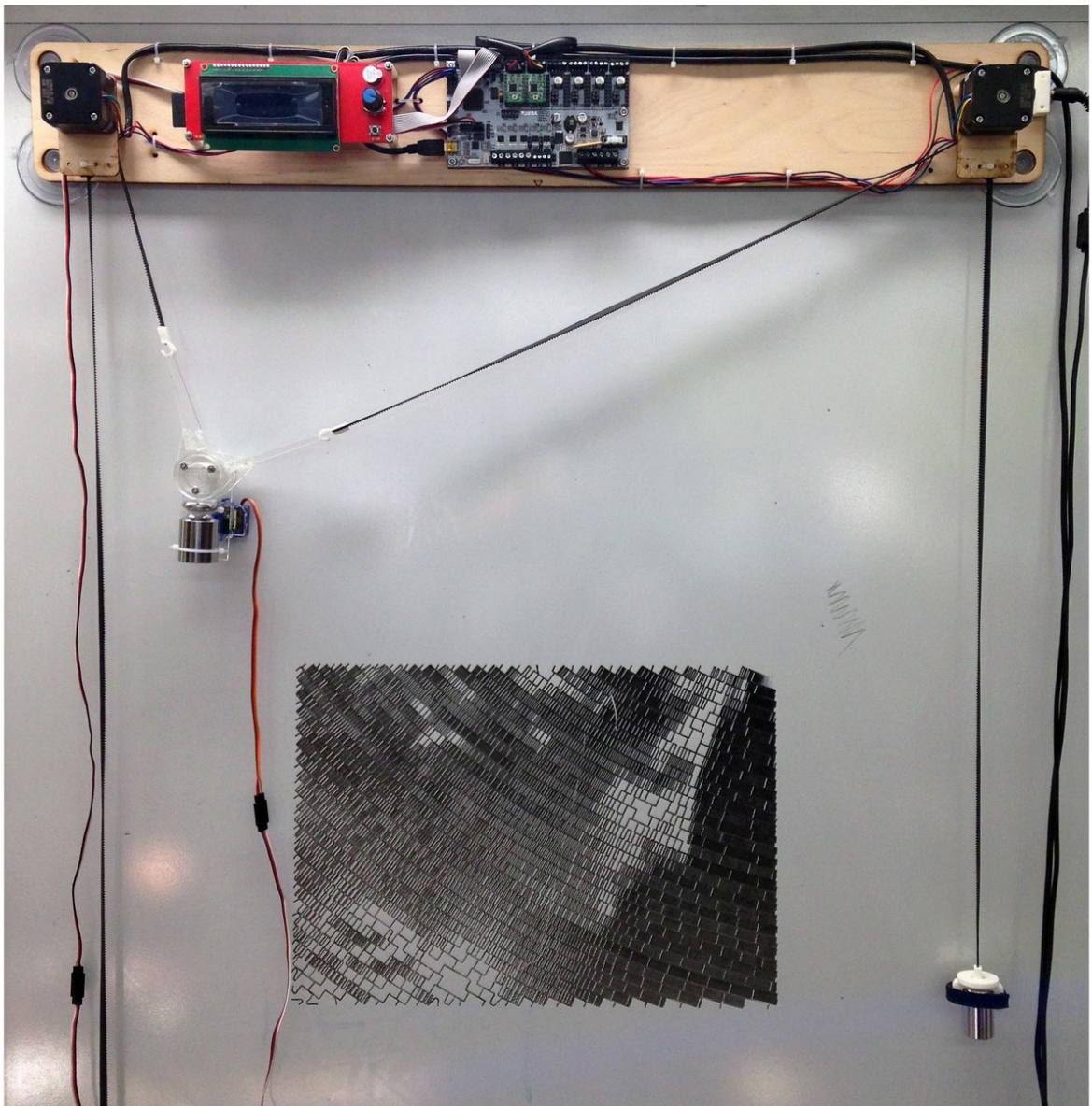
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0. Makelangelo 5 Setup

Instructions for setting up your Makelangelo 5.

Written By: Dan Royer

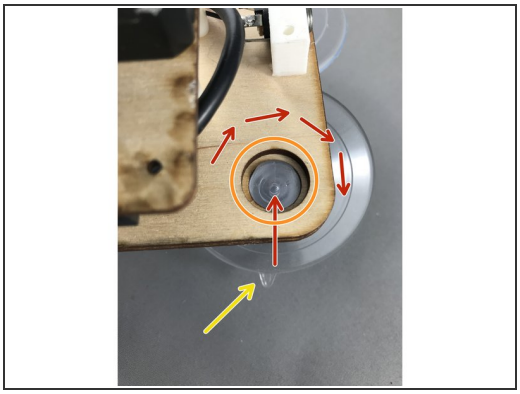


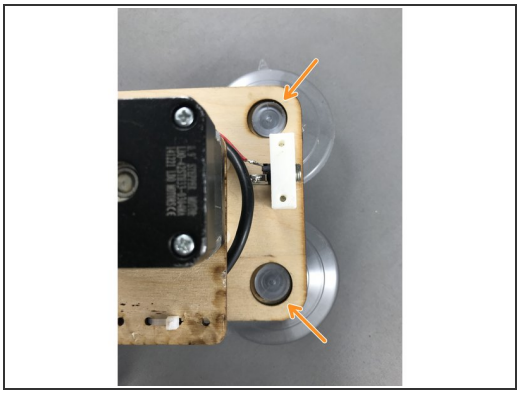
INTRODUCTION

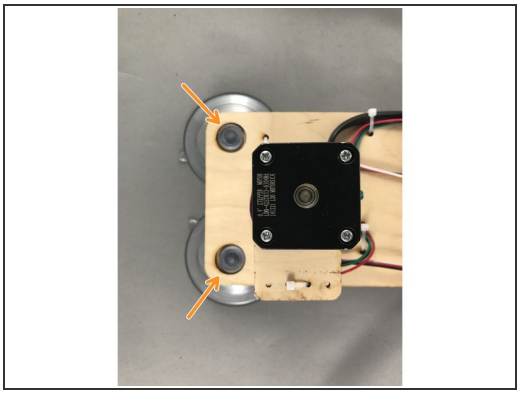
this guide will show you how to set up a new Makelangelo 5, connect to a computer and unleash its full potential!

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Step 1 — Attach suction cups (optional, sold separately)

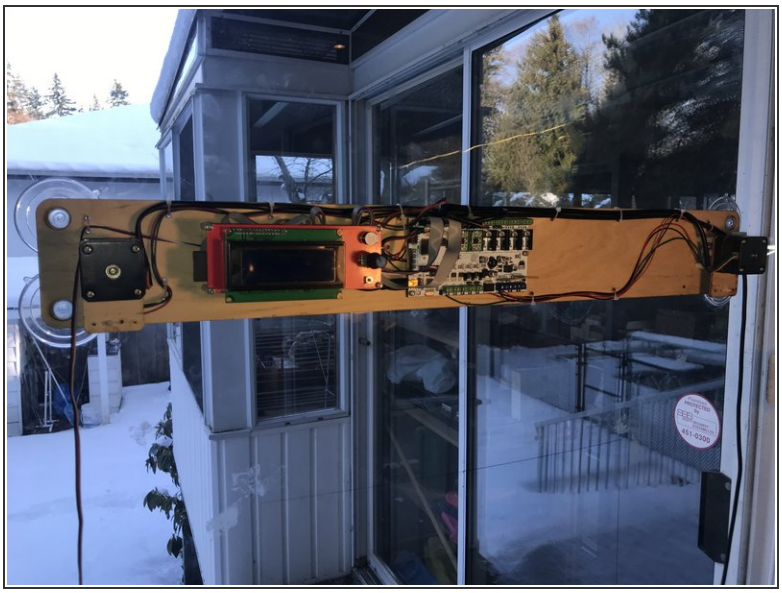


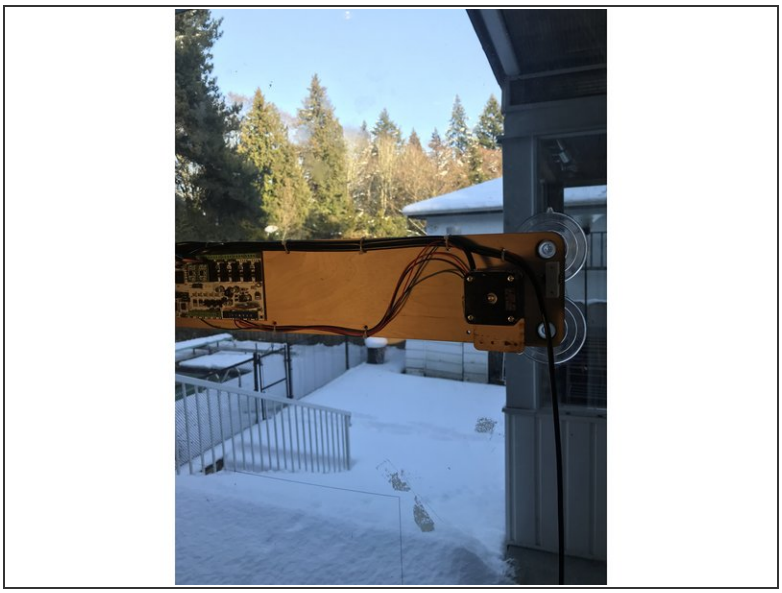




- the window mounting kit with suction cups is available at https://www.marginallyclever.com/product...
- Locate one of the corner holes for suction cups.
- Press firmly with your thumb and twist the cup until the end fits into the wood.
- Turn the tab outward for easy release later
- Clean the glass and moisten the cup before attaching to glass. This will greatly increase the holding power.

Step 2 — Placement

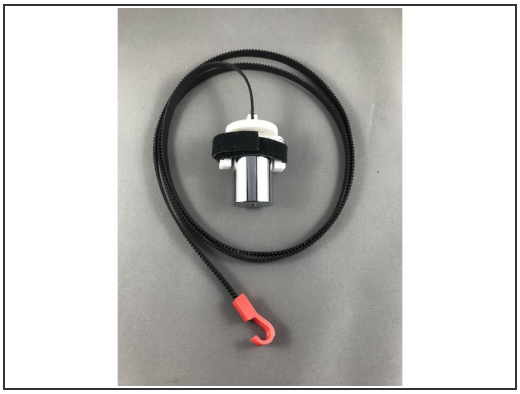


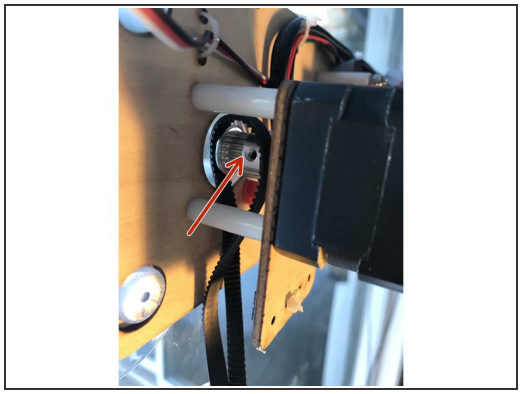


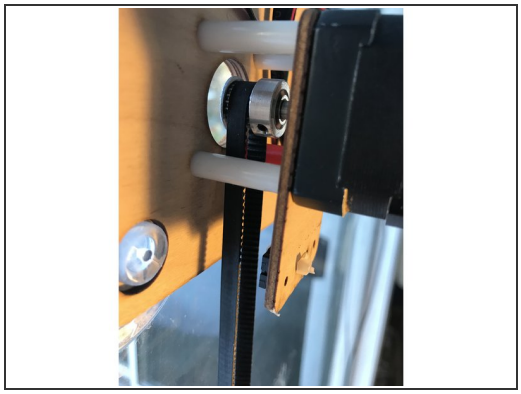
- Moist all 4 suction cups and press the main board against a vertical,flat and clean window or glass.

ⓘ Try to place Makelangelo as level as possible, at least 110cm (44") above any interference (such as a window frame)

Step 3 — Belt 1

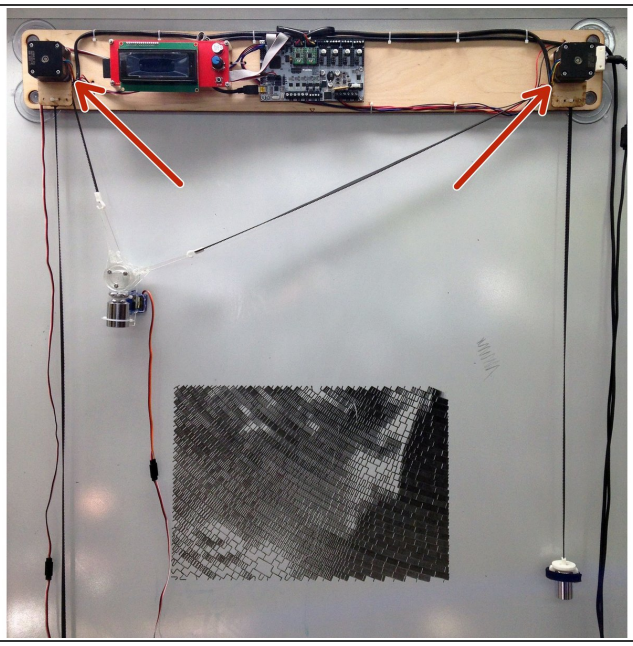






- Prepare a 1m belt with the counterweight and insert it onto motor pulley. Try approaching the pinion gear sideways as shown in the picture for easy belt installation.
- Make sure the belt sits firm on the pinion gear.

Step 4 — Belt 2



- Install one belt on each of the two pulleys.

Step 5 — Connecting pen holder

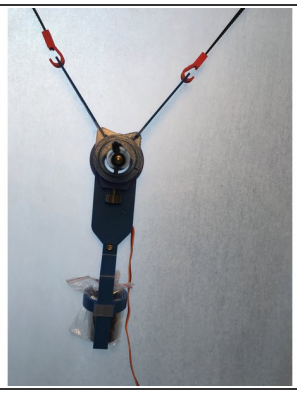
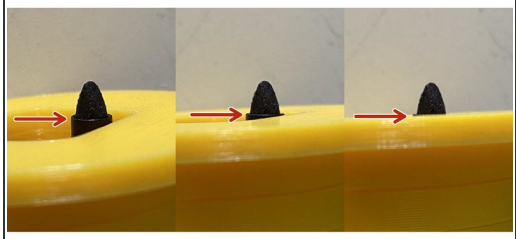




- Connect weights to pen holder arms using provided hooks.

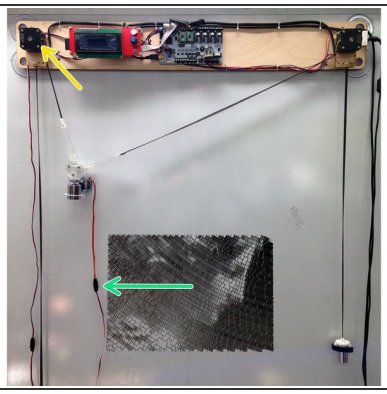
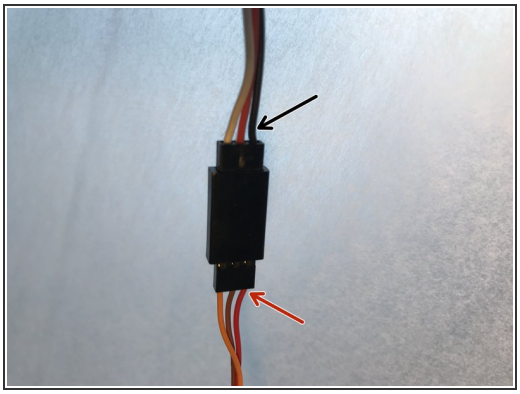
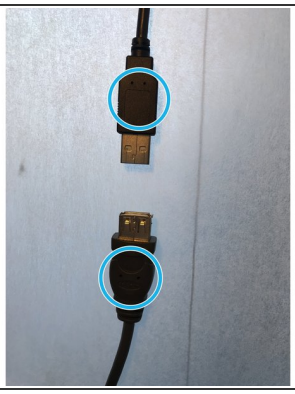
ⓘ Make sure arms move smoothly when running, if not, sand down the contacting surface of arm rings.

Step 6 — Inserting a sharpie

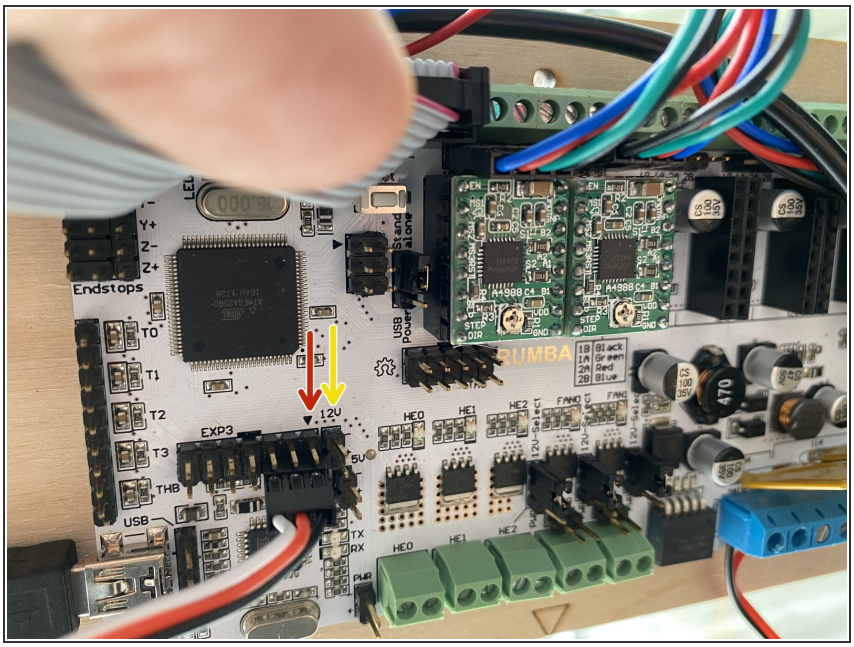
- Slide in a sharpie and secure it with the screw. The tip should be pointing out just enough to touch painting surface when mini-servo is not in the extended position
- notice how the end of the nib and the flat of the pen holder are co-planar.

Step 7 — Cables

- Connect servo cable.
- On a Makelangelo 5, place the servo cable over the left hand motor. On a HUGE, place it over the right hand motor. This makes sure the cable doesn't touch the pen while drawing.
- Make sure the BLACK wire of the extension cable matches the RED wire of the servo.
- Connect the USB cable for your first run. Remember: The "top" side of a USB connector always has the USB logo.
- Start drawing!

Step 8 — Cables 2



- For connecting your servo cable, please note the empty pin on the right.
- The black wire of the servo cable is one row down from the black triangle.

Now that your robot is setup, it's time to run the Makelangelo software.