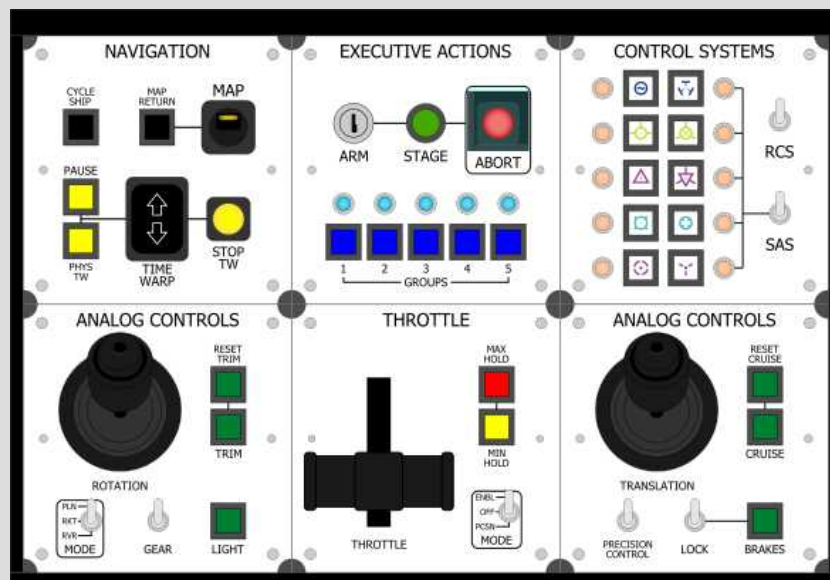
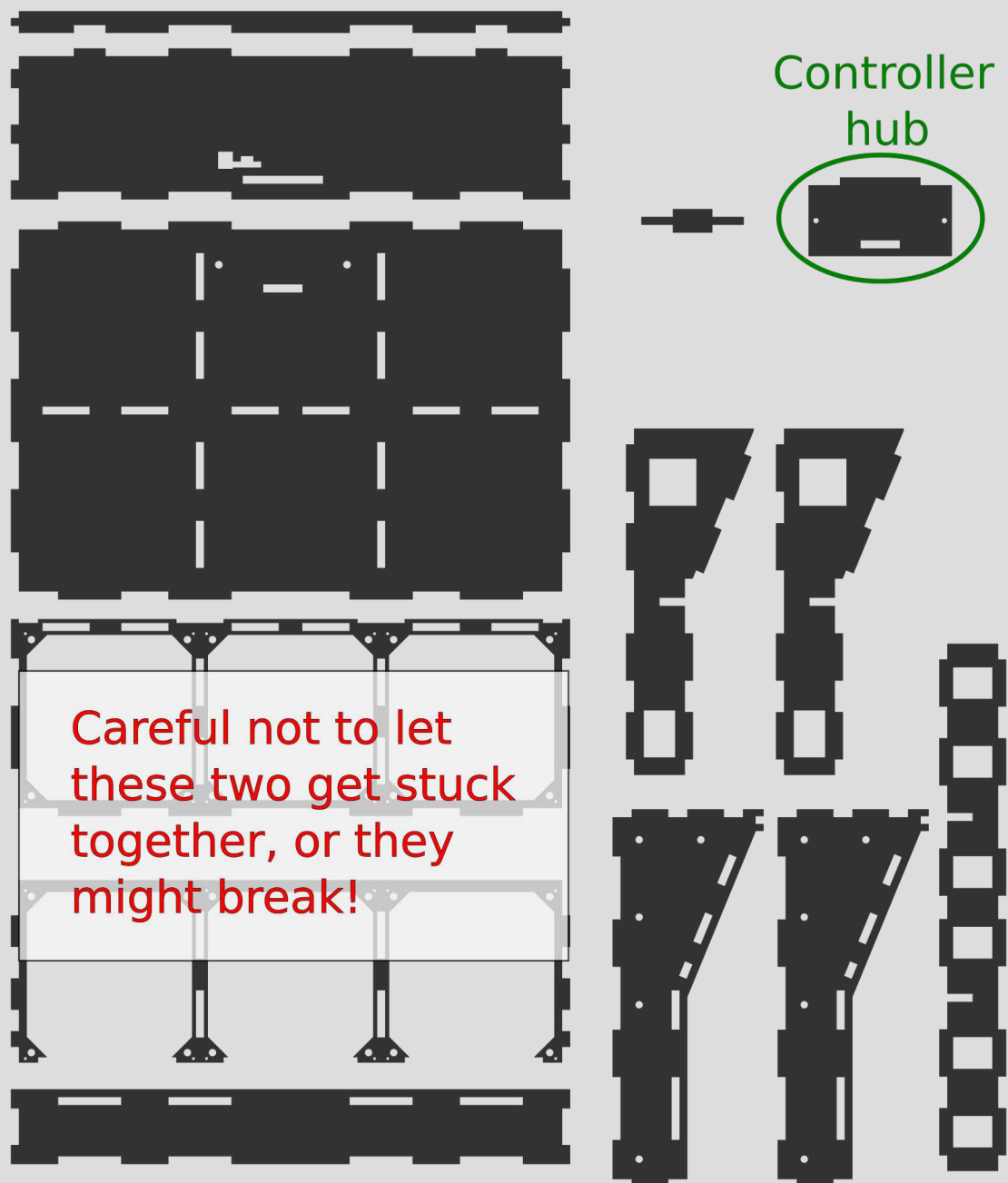


Untitled Space Craft

Mk IV Container Assembly Guide

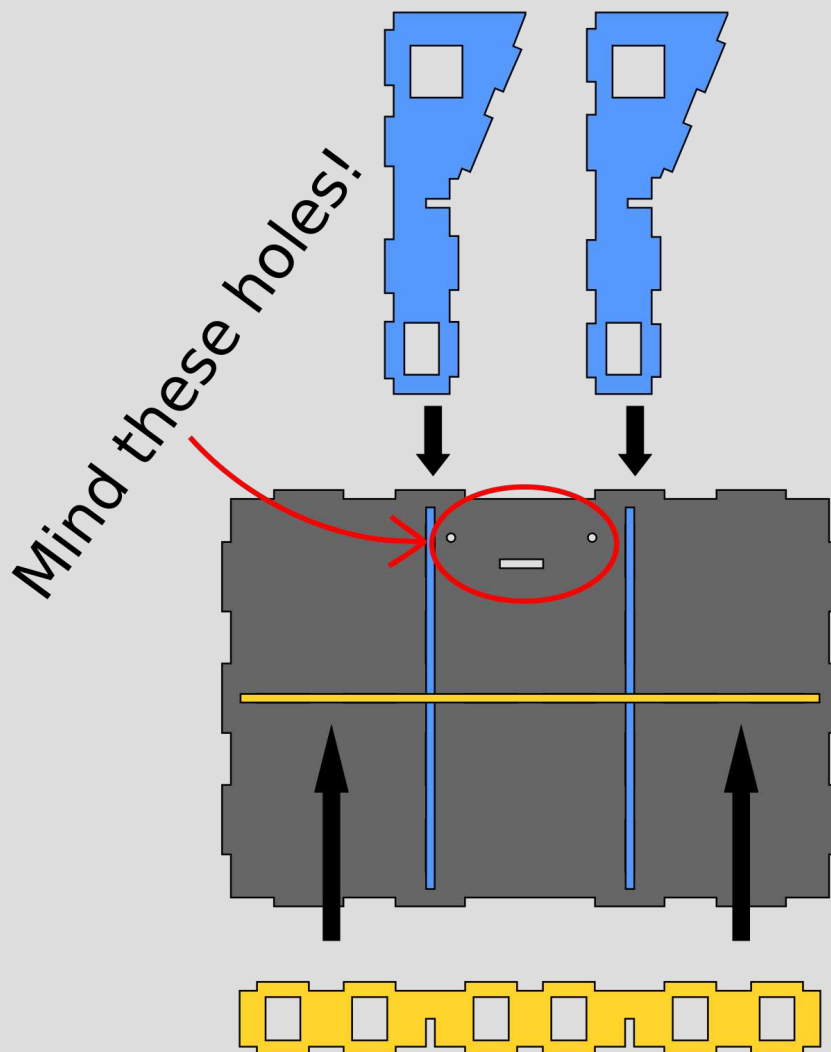


1. Make sure you have all the pieces. The hub piece may already have the hub PCB and arduino attached. Take care not to let the module support pieces connect, as the magnets are powerful enough to break the acrylic. In most cases, broken pieces can be repaired with super glue without sacrificing any structural integrity. However, super glue will damage the mirror finish. For assembly, it is recommended that you use silicone caulk, like the kind for sealing cracks in walls, in clear or the same color of your container. It is also recommended that you first construct the container once without adhesive. With caulk, you have about 30 minutes before it starts to dry.



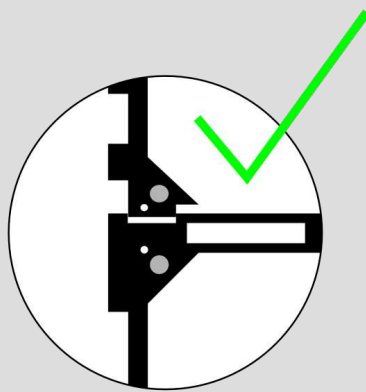
2. Place the biggest piece on the build surface. This is the base of the container. Make sure it is oriented in the correct direction so that the holes, circled in red, are towards the back.

3. Insert the angled center supports, pictured in blue. Then fit the flat center support, yellow, into the base on top of the angled supports.

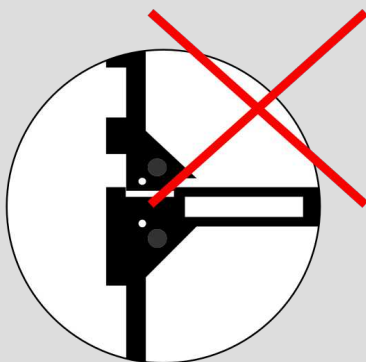


4. Place the tiny hub support piece, yellow, into the slot in the base.

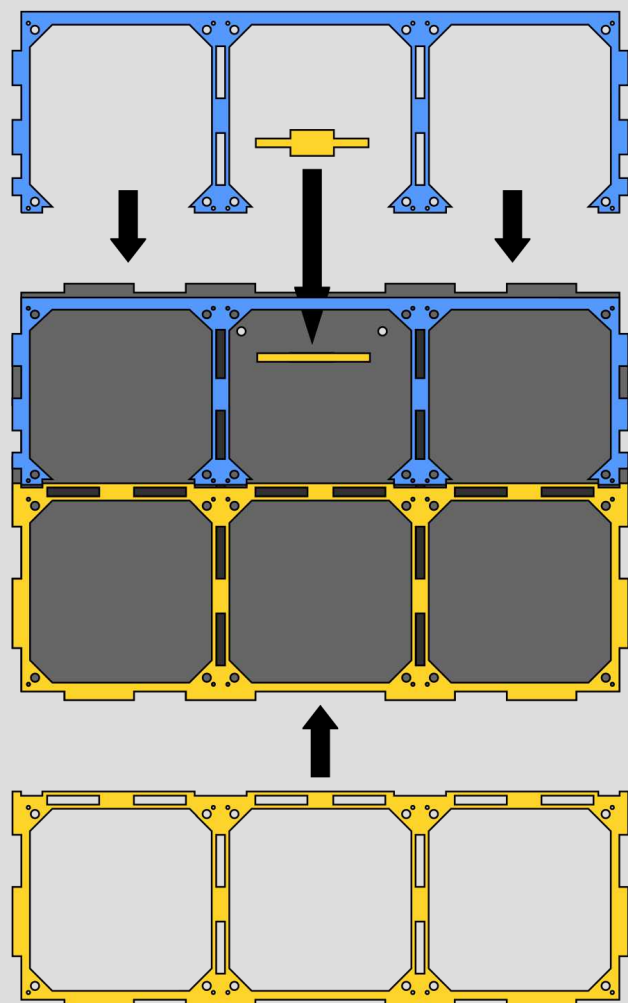
5. Add the two module support pieces, blue and yellow, onto the center supports. Be sure not to let the magnets connect. For both pieces, the magnets must be oriented with the silver side up.



Silver Up



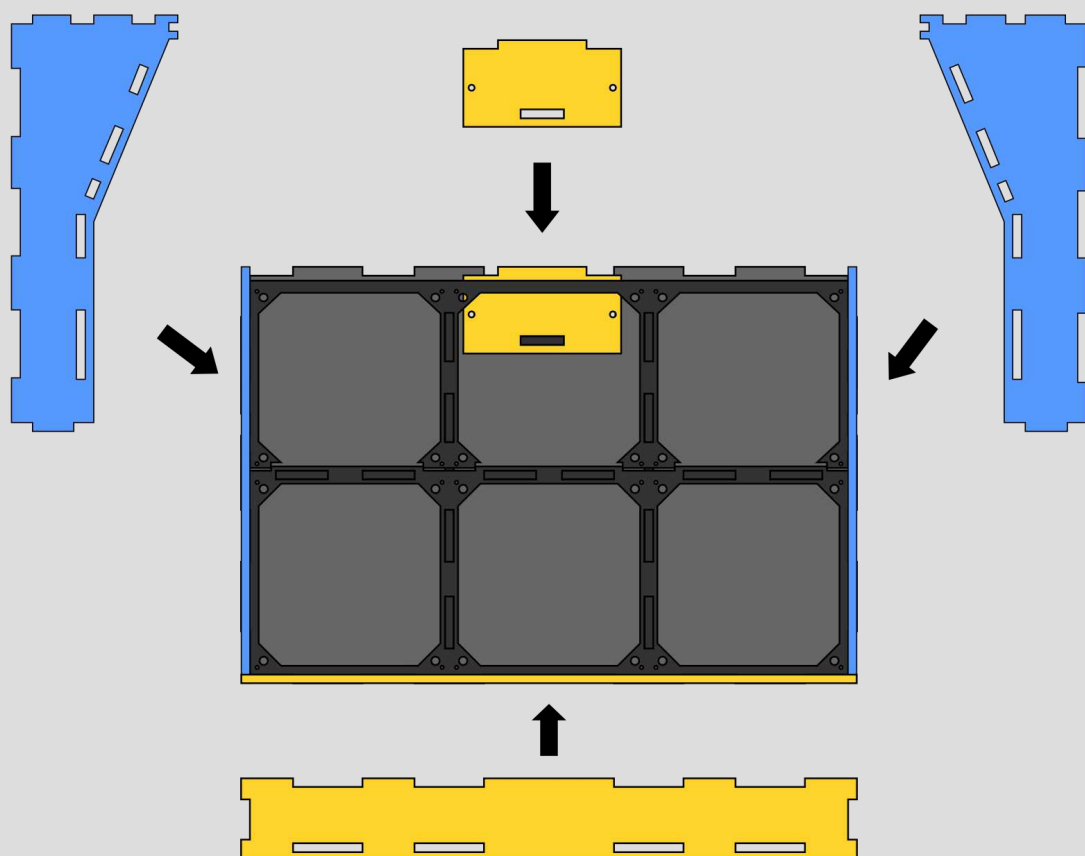
Black Up



6. Add the hub piece, yellow, to the hub support piece, with the PCB and arduino attached.

7. Add the left and right side pieces, blue, and take care to fit the module support pieces into the holes.

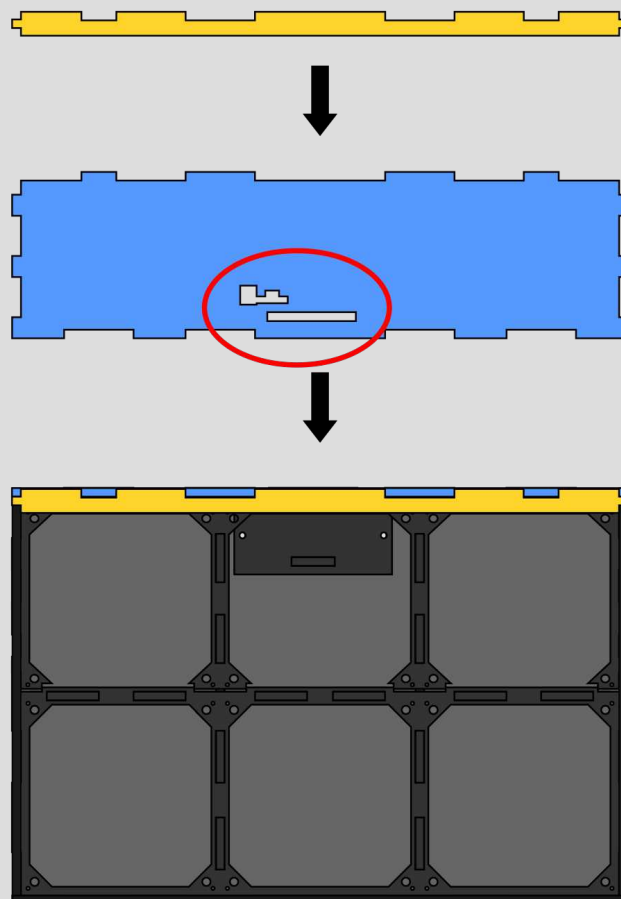
8. Fit the front piece, yellow, to the front of the container.



9. Add the back piece, blue, to the rear of the container. Take care to orient the holes as shown in the image. Fit the hub piece, rear power connector, and USB port into these holes.

10. Fit the top bar, yellow, into the top of the back piece.

11. Routinely compress everything together until dry. After a few hours, you may scrape off the excess adhesive.



12. Plug all of the modules in using the standard Data Bus Connection cables. You may plug any module in to any port, including new modules purchased later. The cables come in various lengths which should be used according to how far away the module is from the hub.

13. To remove a module later, you may use a screw driver or, ideally, a plastic piece to wedge the module up from the corner. Then you can fit a finger underneath. Be careful not to scratch the surface or bend any wires underneath.

