Dimensions:

"box bottom.stl" in inches. Largest dimension ~ 2.8 inches
"box top.stl" in inches. Largest dimension ~ 1.8 inches
"head.stl" in centimeters. Largest dimension ~ 5.4 cm
"joystick mount.stl" in centimeters. Largest dimension ~ 3.6 cm

Infill:
Box top, head, joystick mount → solid infill
Box bottom → solid infill for 1.2 mm walls, medium infill for .2 in walls. This component will be used as part of a clamp

Colors:
Please print everything in white, except for "head.stl", which should be black preferably.

Other notes:
There is a channel going through the "joystick mount.stl" component for wires to feed through. Please print this component in an orientation such that there aren't too many supports inside of this channel (cross section shown below).

The box pieces have a snap-fit mechanism. I tested the tolerances on a previous SLS print, and I believe they will also work with FDM.

I'm not sure what the difference is between the Dimension and the Fortus, but I believe the Fortus is newer so I selected that one. If you believe the Dimension will produce better parts, please let me know. Thanks!

You can reach me at dylanchow@berkeley.edu if you have any questions.