

Oak Compact Joystick - A

3D PRINTING GUIDE

3D Printing Summary

Metrics	Enclosure
Total Print Time (hr:min)	3:52
Total Number of Components	2
Typical Total Mass (g)	47.86
Typical Number of Print Setups	1

Note that the optional topper prints are parametric and come in three initial sizes. The print times below are given for the medium sized toppers.

3D Printing Settings

Print File Name	Qty	Total Print Time (hr:min)	Mass (g)	Infill (%)	Support (Y/N)	Layer Height/ Nozzle Diameter(mm)	Notes (orientation, special settings, etc.)
Enclosure_Top v0.9.stl	1	2:10	27.52	20	N	0.2/0.4	- Print in given orientation
Enclosure_Bottom v0.9.stl	1	1:42	20.34	20	N	0.2/0.4	- Print in given orientation
Optional Prints							
Joystick_Camera_Mount_Adapter v0.2.stl	1	0:54	8.50	20	Y	0.2/0.4	- Print in given orientation
Collet.stl	1	0:17	1.00	20	N	0.2/0.4	- Print in given orientation
Topper_Nut.stl	1	0:27	5.1	20	N	0.2/0.4	- Print in given orientation. - 4 perimeters
Medium_Ball_Topper.stl	1	2:33	42.58	10	N	0.2/0.4	- Print in given orientation - 4 perimeters
Medium_Concave_Topper.stl	1	1:58	28.03	10	N	0.2/0.4	- Print in given orientation - 4 perimeters
Medium_Convex_Topper.stl	1	1:11	17.03	10	N	0.2/0.4	- Print in given orientation - 4 perimeters
Medium_Goalpost_Topper.stl	1	2:17	32.60	10	N	0.2/0.4	- Print in given orientation - 4 perimeters
Medium_Stick_Topper.stl	1	2:26	25.33	10	N	0.2/0.4	- Print in given orientation - 4 perimeters

Oak Compact Joystick - A 3D PRINTING GUIDE

Post-Processing

- Remove any bumps or zits from the surface where the enclosure meets the lid.
- Remove any supports from the camera mount if printed.

Customization Options

- Joystick housing can be printed in multiple colours.
- The joystick camera mount adapter is an optional add-on for mounting using ¼-20 threads
- The optional topper prints can be used to customize the joystick to users. Extra materials such as foam, felt, instamorph, etc. can also be added to further customize the joystick toppers.

Examples of Quality Prints

Photos of the Enclosure



Photos of Toppers



Oak Compact Joystick - A

3D PRINTING GUIDE

Photos of Camera Mount

