SQUID BLOX INSTRUCTIONS BY JAMES CANN DESIGN

Open-source printing instructions

What you will need to get started ...

- 1.3D Filament Printer
- 2. Mac or PC Computer
- 3.1.5mm Nozzle
- 4. PLA Filament
- 5. PrusaSlicer Program

Step 1. Set up the 3D printer

Change or screw on the 1.5mm printer nozzle and tighten it with a wench. (drill a accurate 1.5 hole in an existing nozzle if you want)

(Top tip - If the previous nozzle is stuck, set the printer to heat up the filament and the nozzle will unscrew. but be careful the nozzle maybe up to 225° Degrees.)

Then change or install the plastic filament to your desired colour, we recommend using recycled PLA for its environmental qualities, strength and durability.

Check the printer bed is level and clear for use.

Step 2. Downloading...

On the JamesCann.design website select and download the desired dimensioned squidblox file which will look like this: Squidblox 0mm+00mm.stl

Also download a free slicer program called: **PrusaSlicer**









*Squiblox 1.5Nozzle - PrusaSl	icer-2.4.2 based on Slic3r	
ile Edit Window View Configu	uration Help	
Plater Print Settings	Filament Settings 🔄 Printer Se	ttings
1.2mm layer height NORI	MAL @CREALITY - Copy (moi 🗠 🖳 🗙	? 🖪 Ͻ 🔍 🔅
Layers and perimeters	Extrusion width	
Skirt and brim	Default extrusion width:	🔓 🍮 2 mm or %
Support material	First layer:	🔓 🍮 2 mm or %
Speed	Perimeters:	🔓 🍮 2 mm or %
Advanced	External perimeters:	G) 2 mm or %
Output options	lofill:	C • 17 mm or %
Notes		
O Dependencies		
	Top solid infill:	• 1.35 mm or %
	Comment and and all	
	 Support material: 	• 0.38 mm or %
	• Support material: Overlap	□ • 0.38 mm or %
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Plater Ø Print Settings	Filament Settings The Printer Sett	ings
Creality CR-10 Mini - Vase	Big-1.5 (modified) \checkmark	? 65 9, %
 General Custom G-code Machine limits Extruder 1 Notes Dependencies 	Size	
	Nozzle diameter:	□ • 1.5 mm
	Layer height limits	
	• Min:	🔓 🍮 0.4 mm
	• Max:	🔓 🍮 1 👘 mm
	Position (for multi-extruder printer	rs)
	• Extruder offset:	🔒 • x : 0 y : 0 mm
	Retraction	
	Length:	G 0 mm
	• Lift Z:	
	Only lift Z:	Above Z: 🔒 • 0 mm
	Retraction Speed:	G0 mm/s
	Deretraction Speed:	🔓 🔹 0 mm/s
	Extra length on restart:	🔒 • 0 mm
	Minimum travel after retraction:	🔓 🔹 0 mm
	Retract on layer change:	<mark>6</mark> • □
	Wipe while retracting:	
	Retract amount before wipe:	a • 70 %

Max: 1mm

15. In the Retraction section set the Length to 0.

16. In the **Plater** view import the object with this symbol on the top dock of tools





18. Click the **slicer** button in the bottom right of the screen to see how the slicer program will print the object.

19. Click the **export** button in the bottom right of the screen to save the g-code and upload to the 3D printer.



Start the print and check carefully for a perfect print.