



BigTreeTech Octopus box for Ender 3 Pro

 **Unstable88**

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updated 15. 5. 2022 | published 15. 5. 2022

Summary

This is a control board box for the BTT Octopus that fits the Ender 3 Pro and probably fits the Ender 3 V2 (but I...

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This is a control board box for the BTT Octopus that fits the Ender 3 Pro and probably fits the Ender 3 V2 (but I cannot confirm). I didn't like the one or two options on thingiverse for this massive control board so I designed my own. The board mounts upside down inside the box because it was the only way I could fit it in there with the large heatsinks that came with the stepper drivers. The stock 40mm fan attaches on the side. It has cutouts for the ribbon cable and z endstop wire. I might make a mirrored version to go on the other side that holds a raspberry pi and the control screen. I can provide the Fusion 360 or step files if anyone wants to remix it or make the mirrored version. This is designed to use as few supports as possible.

You will need (11) 6 mm or 8 mm M3 screws and (4) 16 mm or longer M3 screws for the fan.

The fan has a cover, but make sure the bottom surface of the fan cover is oriented away from the fan to provide clearance.

The screw holes are properly sized for direct threading, but if you are concerned, you can print the fan cover first to make sure the M3 screws will thread tightly. The fan cover only takes 10 minutes to print.

Print Settings

Printer Brand:

Creality

Printer:

Ender 3 Pro

Rafts:

No

Supports:

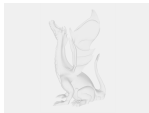
Yes

Infill:

10%

Category: 3D Printer Parts

Model files



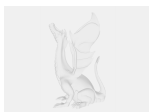
octopus_box_top_piece.step



octopus_box_v30.stl



octopus_box_top_piece.stl



octopus_box_bottom.step



octopus_box_bottom.stl



octopus_box_v32.step



fan_cover.stl

[Find source .stl files on Thingiverse.com](#)

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