

Lack enclosure for Elegoo Neptune 3 Pro Remixed Remix



Varkanoid

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Summary

Remix of the Neptune 3 Pro Ikea Lack Enclosure by Paradur which is itself a remix of the one by Ednation

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Both the original and remix this is based on are excellent and 95% of the work on this enclosure is credited to those two authors, being **EDNation** for the original and **Paradur** for the original remix.

<https://www.printables.com/@EDnation>

<https://www.printables.com/@paradur>

During the building of the remix by Paradur I found a few issues which led me to do some alterations and also I wanted to add ventilation/extraction. So here is my remix. Originally the Pro was in the garage but due to it

being too cold at the moment I moved it to our Conservatory. It was always my intention to build the Lack but this has just advanced it a bit.

What was evident when doing this was the lack of full build instructions which lead to some confusion on my part when constructing so this was another reason to do this in order to provide a proper guide. Hopefully this will be of use to some people.

Parts List

6mm Button Rare Earth Magnets

<https://www.amazon.co.uk/dp/B0BP79VZQP>

Various brass woodscrews I had in my stock.

Ikea Lack Table x 2

Printing

I used 0.2mm resolution with a mixture of 15%/20% infill density. I have made a note against each part I would personally recommend doing 20% infill. These are of course alterable to your tastes. If you print all four bottom corner pieces as one print it will take over 20hrs to complete at normal speeds. Only supports I used were for the hinges but it probably is not necessary. I used PTA but you can use PETG. Reason for it being multi-coloured is originally I wanted it all in red. After mucking up the bottom corner posts I had to reprint them but I had run out of red so used yellow. Then by the time I got to do the extra bits I thought heck lets do them in blue. :) Also in the filename it tells you how many you need to print. So x1 at the end just means one and x2 at the end of the filename means you need 2 of these.

Construction

I have added a Neptune 3 Pro Lack Enclosure Build Guide.pdf in the other files section.

This remix is based on



Lack enclosure for Elegoo Neptune 3 Pro

by paradur

Model files



bottom-corner-front-left-neptune-3-pro-x1.3mf

☐ Make sure you use at least 20% infill these need to be strong



bottom-corner-rear-neptune-3-pro-x2.3mf

☐ Make sure you use at least 20% infill these need to be strong



bottom-corner-front-right-neptune-3-pro-x1.3mf

☐ Make sure you use at least 20% infill these need to be strong



fan-pipe-duct_x1.stl

☐ 60mm pipe for fan ventilation. Resize for different fan sizes.



filament-psu-cable-pipe_x2.stl

☐ Used for the PSU cable hole and also the filament guide in top table.

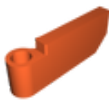


hinge-pin-clip-l_x2.stl

☐ Make sure you use at least 20% infill these need to be strong



door_handle_b_x2.stl



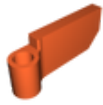
bottom-door-hinge-l_x1.stl



door_handles_stopper_x2.stl



door_handle_a_x2.stl



bottom-door-hinge-r_x1.stl



hinge-pin-clip-r_x2.stl

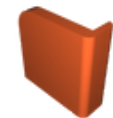
☐ Make sure you use at least 20% infill these need to be strong



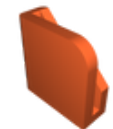
panel-bottom-holder-a_x3.stl



panel-bottom-holder-b_x3.stl



panel-magnet-holder-right_x3.stl

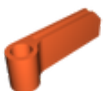


panel-magnet-holder-left_x3.stl



top-corner-front-right_x1.stl

☐ Make sure you use at least 20% infill these need to be strong

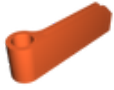


top-door-hinge-right_x1.stl



top-corner-rear_x2.stl

☐ Make sure you use at least 20% infill these need to be strong



top-door-hinge-left_x1.stl



top-corner-front-left_x1.stl

☐ Make sure you use at least 20% infill these need to be strong

Other files



neptune-3-pro-lack-enclosure-build-guide.pdf

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-
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