



Platsa Extension for Heatbed cable - Ender 3 S1

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Summary

Your Ender 3 S1 does not fit into a Platsa cabinet - let's fix that!

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Your Ender 3 S1 does not fit into everyone's favorite Platsa cabinet. Creality made the heatbed cable way too sturdy and it gets in the way.

The obvious solution is to cut a hole. To keep the nasty air inside, I have created this cylindrical extension that simply slides into a 120mm circular hole.

To make the model easy to print, the cap is a separate part that is glued in. No **supports needed!**

120mm is still a tight fit because the cable has a mind on its own. A **fully parametric** version of this model is available [on Onshape.com](https://onshape.com). Feel free to share your remixes.

The uploaded model has a depth of 150mm and a diameter of 119mm.

I printed this in PLA with a 0.6mm nozzle. If you are using a 0.40mm nozzle, make sure you are using three walls to avoid infill.

What you need:

- Around 100g of filament
- 4 M3 screws - maybe 10mm
- Optional: Angled power cord so you can move the printer back a bit further.
 - You can close the door with the stock power cord that ships with the printer but it's a very tight fit. I had to flip my PEI sheet around to get the necessary clearance.

How it works:

- Print the files
- Glue the lid to the cylindrical bit
- Test fit your printer into the Platsa cabinet (including any insulation/ concrete slabs you might have) and mark where the extension should go
 - I eyeballed this and somewhat neglected the fact that my heatbed cable is a bit curved. Easy to compensate by moving the printer to the right.
- Drill a 120mm hole into your Platsa rear panel
- Fit the extension and mark the screw holes
- Remove the extension
- Use a 3mm drill bit to drill the holes
- Mount the extension with 4 M3 screws

If you are looking for a rectangular version, check out [RubenCoolen's Customizable Cabinet Cutout Box!](#)

Model files

platsa-bed-cable-extension-for-ender-3-s1-bed-cable... .stl

platsa-bed-cable-extension-for-ender-3-s1-cap.stl

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