

Simple Phone Charging Stand



Staitz

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Summary

This stand holds your phone high enough for a charging cable and even fits bulky cases

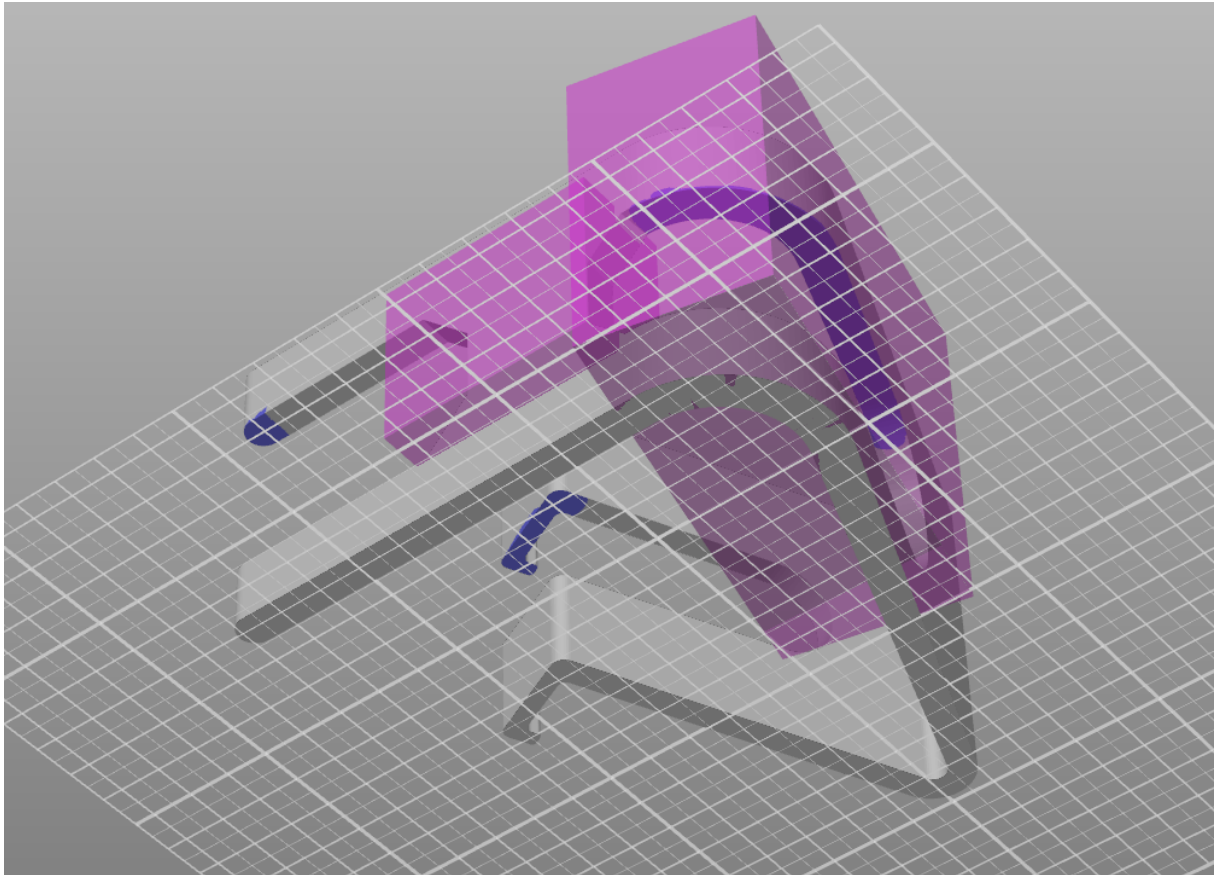
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Tags: [chargingdock](#) [chargingstation](#) [iphonechargingstand](#) [phonestand](#)

Printing:

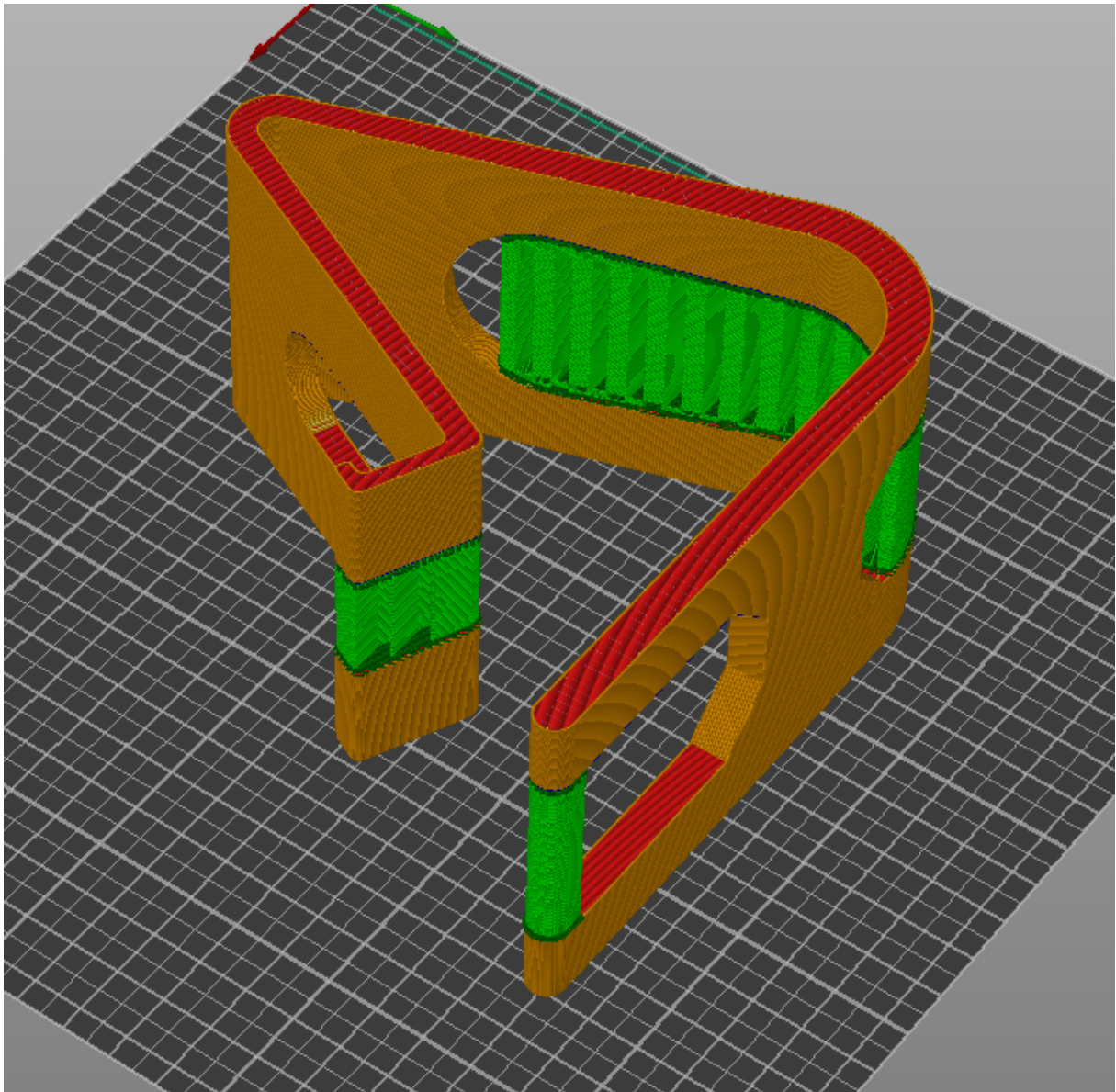
Doesn't need anything too special with the usual supports though I do suggest different infill settings in some areas

Infill:



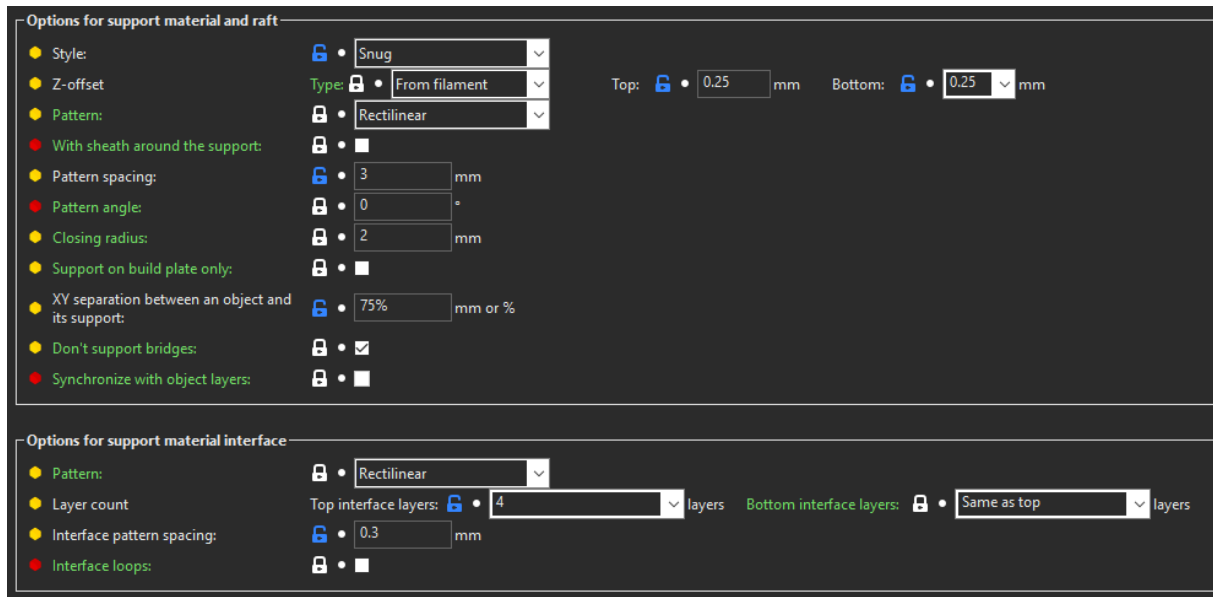
- The areas highlighted by the purple boxes should have a higher infill density (45% ish but I turned down the infill density for the rest of the model down to 15%)
- I also found that the bend from the where the phone itself would be to the back (furthest bend in the image) could benefit from a higher infill density
- (The area covered by the smaller purple box might not need the extra density)

Support:



- Places where support should be are marked in blue on the infill image
- (You might want to put more support on the farthest back area)

Support Settings:



The screenshot shows two panels of settings for a 3D printer. The top panel, titled 'Options for support material and raft', contains settings for Style (Snug), Z-offset (From filament), Pattern (Rectilinear), With sheath around the support, Pattern spacing (3 mm), Pattern angle (0°), Closing radius (2 mm), Support on build plate only, XY separation between an object and its support (75% mm or %), Don't support bridges (checked), and Synchronize with object layers. The bottom panel, titled 'Options for support material interface', contains settings for Pattern (Rectilinear), Layer count (4 layers), Interface pattern spacing (0.3 mm), and Interface loops. Lock icons are present next to many settings, and some have dropdown menus.

Options for support material and raft

- Style: Snug
- Z-offset: From filament
- Pattern: Rectilinear
- With sheath around the support:
- Pattern spacing: 3 mm
- Pattern angle: 0°
- Closing radius: 2 mm
- Support on build plate only:
- XY separation between an object and its support: 75% mm or %
- Don't support bridges: ☒
- Synchronize with object layers: ☐

Options for support material interface

- Pattern: Rectilinear
- Layer count: 4 layers
- Interface pattern spacing: 0.3 mm
- Interface loops: ☐

- These are the support settings that I found to be the most convenient but main suggestions are to increase the spacings on the support
- (I also didn't come up with this but I forgot exactly where these settings came from)

Model files



phone-stand.stl

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