



Foldable iPad Stand v1.0



M4d M4xx

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Summary

Stable iPad stand (iPad Pro 11"), which can be folded at the push of a button (ok, two buttons).

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Even though there are numerous iPad stands out there, I didn't quite find what I was looking for. A stable stand for my iPad Pro 11" that I could fold to stow away or carry with me in my laptop bag.

My solution consists of a solid base, two hinges with push buttons on either side and a folding iPad rest.

In addition to the printed parts, you need 2 springs (ca. 9,5mm diameter, ca. 16mm length) to push the buttons outward (e.g. this spring set here: <https://amzn.eu/d/cpf80wP>).

Printing:

Filament: ABS

Printer: Bambulab X1-Carbon

Slicer: Orca Slicer

Layer height: 0.16mm

Wall loops: 4

Infill: 40% grid

Support: Only necessary for the outer parts of the hinges (the “tubes”) because of the dovetail connectors, and for the holes in the base. All other parts print without support.

Assembly:

- Start with inserting the buttons from the inside of the base into the respective holes of the base. On top of the button there is a left/right mark. Make sure to put the buttons in the correct holes and that the R/L markings are **upside down**! This will ensure correct alignment.
- Insert one spring into one of the hinges (tubes), slide it no more than **halfway** into the correct (right R/left L) dovetail connector of the iPad rest.
- Put the hinge/arm combo from the inside of the base onto the corresponding (r/l) button and hold it there.
- Put the other hinge (don't forget the spring!) onto the button on the other side and slide the dovetail connectors onto the hinge. Now slide the arm all the way down and you are done.

I uploaded a .step file so you can adjust measurements to your tablet if you like.

I hope you enjoy the iPad stand. If you have questions/suggestions, just let me know.

Model files



foldable-ipad-stand.step



foldable-ipad-stand.stl



foldable-ipad-stand_arm.stl



foldable-ipad-stand_base.stl

foldable-ipad-stand_buttons.stl



foldable-ipad-stand_hinges.stl



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