



9.7inch iPad Pro Functional Stand

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Summary

Mountable stand for iPad Pro 9.7 with Apple Pencil storage mechanism

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This is a stand that holds the screen keyboard of a iPad Pro 9.7 at a tap-friendly angle. Attach with spring-loaded pawls. And this has a mechanism to store the Apple Pencil and eject it by pressing a button.

Errors in the model would be resolved with automatic corrections. So, never mind.

Print settings

Brims should be attached to prevent warping. It is also useful to make the print bed hot. I had set the bed temperature to 80 degrees Celsius with PLA material.

Postprocessing

Remove the supports. There is no need to add support with a slicer. But, the support is hard-coded under the plate spring and in the groove of the arm.

Install the button.

Connect the arms with a 10 mm diameter spring or rubber band.

Model files

base.stl

arm.stl

button.stl

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