



Phone Holder, smooth tilt adjustment, prints in place



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[VIEW IN BROWSER](#)

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Summary

Phone holder with an angle adjustment knob allowing for fine control of tilt. Prints in place, no supports.

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Phone holder allows for fine control of tilt. Probably overkill for some uses, but think this might be useful for video chat or work conferences where you want to get the camera angle just right.

Link to adjustment demo GIF: <https://drive.google.com/file/d/1McKVSAAtGteZpH0tnaasFR7kEc2QWjiKA/view?usp=sharing>

Updated version printed in white added to pictures; file: "phone holder latest", this is the version I most recommend. – Another update, phone holder_clean has no text on top side for cleaner print.

Print vertically on side with adjustment knob away from build plate. Example printed with .2mm layer, 15% infill. Recommend 6 mm brim ears with detection radius >10mm so gears don't get ears if using SuperSlicer.

For PrusaSlicer you can add helper disks, just avoid overlaying gear teeth.
How to for helper disks :

A little PTFE lube helps it run smoother

NEW Phone Stand Model for your consideration:

<https://www.printables.com/model/1258296-phone-or-tablet-stand-adjustable>

The new model is also a ridiculously over engineered phone stand that fixes the one issue with this model, which is that with enough off center weight it will back drive and not hold position. The new model holds very firm in set position.

Model files



phone-holder.stl



phone-holder-latest.stl

phone-holder.3mf



phone-holder_clean.3mf

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