



Single-Hand Key Organizer



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[VIEW IN BROWSER](#)

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Summary

A lightweight Key Organzier to prevent scratches on your phone or wallet, while being easy to use with one hand



1.71 hrs



2 pcs



0.15 mm



0.40 mm



PLA



12 g



Prusa MINI /
MINI+

[Fashion](#) > [Other Fashion Accessories](#)

Tags: [organizer](#) [ring](#) [transport](#) [wallet](#) [home](#) [key](#)
[keyring](#) [keys](#) [house](#) [outside](#) [onehanded](#) [keyorganizer](#)
[antiscratch](#)

A lightweight Key Organzier:

- **Prevent key scratches** on your phone or wallet
- Easy to **use with one hand**: push keys out with index finger and select the key you need. Perfect when carrying stuff.
- **Customizable in slicer** to fit your amount of keys: Just scale the spacer part in your slicer to be exactly as high as your stack of keys. (eg. your keys need 9.2mm, take the spacer_10mm.stl and scale it in z direction by 92%)

- No rough edges while still looking good
- Fits most keys, from big house keys to smaller keys like bike chain keys, etc.
- Silent, no "key jingle"
- **Very easy print**

All you need are two M3 screws and two M3 nuts. It's best to take a screw that's too long and cut/file it down to the right length. That's much easier than to find the right length for your set of keys.

Tips & Tricks:

1. Print the two halves first and assemble it, then measure how thick the spacer needs to be. Scale the 10mm thick spacer in z-direction in your slicer. (92% for 9.2mm etc.) Also you can adjust how strong the keys are held in place by making the spacer thinner.
2. Use the textured spring steel plate for the halves and choose Hilbert Curve as bottom fill pattern for an extra nice finish.
3. For the hinge mechanism to work best, you can fill the inside of the key holes with eg. molten filament and drill a 3mm hole for the screw.
4. The holes are designed to have one full layer in the middle. This helps with bridging. Just punch through this layer with something pointy.
5. If the spacer isn't perfectly fixed in place, you can add a drop of CA glue between one half and the spacer.
6. Also you can use Loctite or CA glue to prevent the nut from loosening over time. (to undo heat up the nut with a soldering iron, this destroys the glue again)
7. Print parameters are not important, should work regardless of settings (I use 0.15mm layer height, 70% infill, 3 perimeters and no support)

Please let me know if you have any feedback or suggestions, I may update the files.

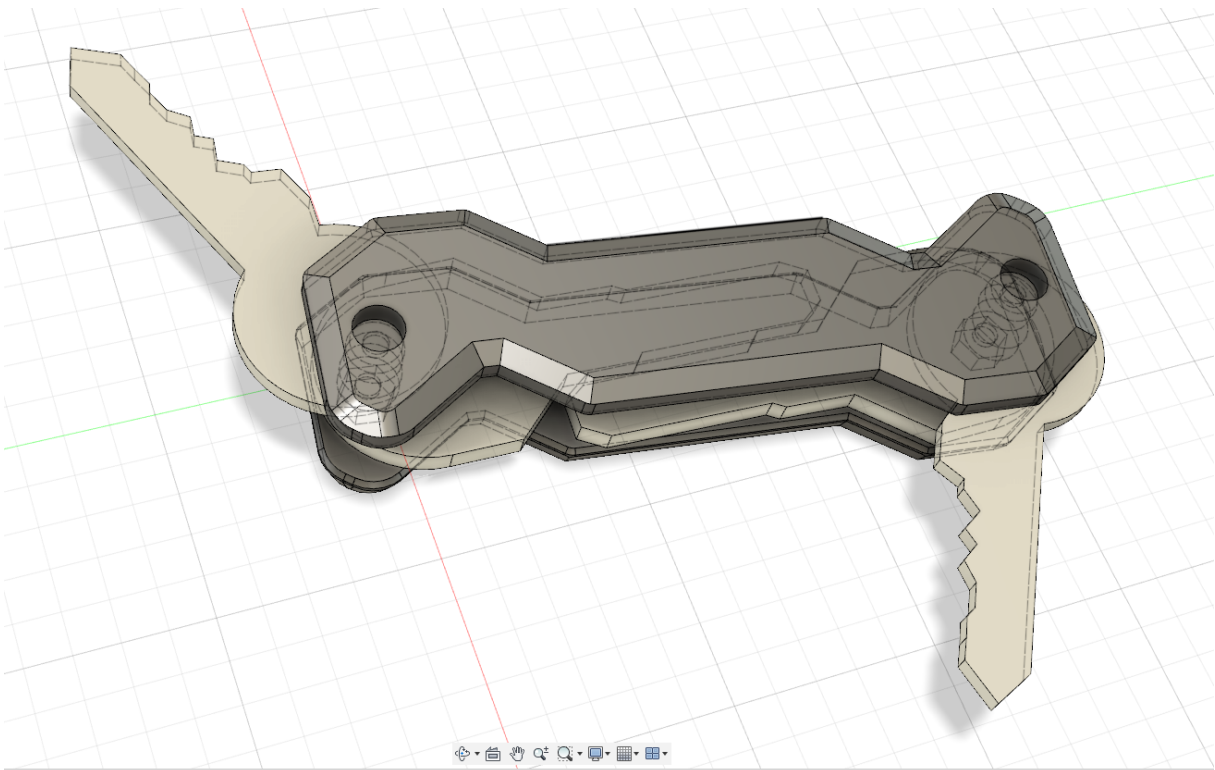
If you liked the print, don't forget to post your make and leave a like. I appreciate it, thank you!

Update 22.02 2022: I made the hole in the spacer bigger (3mm -> 3.4mm). The M3 screw should fit much better now.

Addition 1: Per suggestion from [MWD](#) I added a version featuring a 4mm hole to attach a key ring. Helpful if you want to attach larger things like car keys or NFC chips. Use one normal half and one half with keyring hole, but make sure your keys aren't too long and don't obstruct the hole.



Addition 2: Per suggestion from [Joe R.](#) I also made a double-sided version, with keys on both sides. I haven't tested it myself, but a few makes were posted. It is probably a bit more fiddly to store the keys, as they intersect when turning, but it can fit double the amount of keys and you don't need a spacer. Feedback is appreciated.



(Disclaimer: no keys in the pictures pose a security risk. The keys are either old, or digitally altered to prevent remaking)

Model files



key_organiser_v3.3mf

☐ Print the halves first and don't forget to scale the spacer to the right thickness



key_organizer_half_w_nut.stl



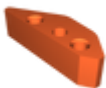
key_organizer_half_w_screw.stl



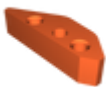
spacer_10mm.stl



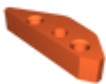
spacer_9mm.stl



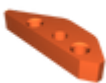
spacer_8mm.stl



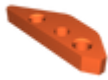
spacer_7mm.stl



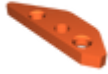
spacer_6mm.stl



spacer_5mm.stl



spacer_4mm.stl



spacer_3mm.stl



key_organizer_half_w_nut_ringhole.stl

☐ Features a 4mm hole to attach a keyring



key_organizer_half_w_screw_ringhole.stl

☐ Features a 4mm hole to attach a keyring



key_organizer_doublesided_w_nut.stl

☐ For keys on both sides, no need for a spacer



key_organizer_doublesided_w_screw.stl

☐ For keys on both sides, no need for a spacer



washer_12mm_36mm_05mm.3mf

☐ optional: 4 customizable key washers, made in PrusaSlicer

Print files



key_organiser_v3_hilbert_015mm_pla_mini_1h19m.gcode

PLA 0.40 mm 0.15 mm 1.32 hrs 10 g Prusa MINI / MINI+

☐ 70% infill, 0.15 layerheight, hilbert bottom pattern, 3 perimeter



spacer_10mm_015mm_pla_mini_23m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.15 mm ⌚ 0.39 hrs 📊 2 g 🖨️ Prusa MINI / MINI+
📏 70% infill, 0.15 layerheight, 3 perimeter

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