DJI Mini 3 Pro Portable Case

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VIEW IN BROWSER

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Summary

Portable compact case for DJI Mini 3 Pro and accessories with magnetic attachments

Gadgets > Photo & Video

Tags: case compact dji drone magnet magnetic mini3pro portable

This is a compact case I created to house the DJI Mini 3 Pro, DJI RC-N1 controller, 2 spare batteries, and a couple of accessories. There is a space beneath the battery slot where you can store small accessories like spare propellers, screwdriver, SD cards, etc. If you replace the standard DJI control sticks with a short M4 screw (less than 16mm), it is possible to store the controller without removing the sticks.

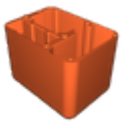
The box and lid are held together by 7 pairs of magnets. You can optionally insert 2 pairs of magnets to the bottom of the box and top of the lid so you can attach the lid to the bottom of the case when you have it open. This way, you can avoid misplacing the lid. However, these optional magnets will have to be inserted mid-print by configuring your slicer to pause or trigger a filament change before the allotted compartments are closed (about layer 17 for 0.2mm layer height).

Magnets required (diameter x thickness):

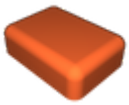
- 8x2mm (8 pcs. required + 4 pcs. optional)
- 5x2mm (6 pcs.)

Use N52 neodymium magnets for maximum strength. I used epoxy resin to attach the magnets, but any other strong glue should suffice.

Model files



box.stl



lid.stl

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