



## iPhone Magsafe + Apple Watch wireless charging stand



Tyson

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### Summary

A stand to hold an iPhone 12/13 mini and Apple watch 4 with wireless chargers. Based on Fanboy's Gen1/2 stands.



26.08 hrs



2 pcs



0.20 mm



0.40 mm



PLA



438 g



Prusa  
MK3/S/S+

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Tags: [applewatch](#) [iphone](#) [magsafe](#) [magsafestand](#)  
[phonestand](#)

Based largely on [Fanboy's Gen 1 phone/watch stand](#). I recreated the basic base shape in Fusion360 and designed the top half to hold the official Apple Magsafe charger. I also referred to a couple of online designs for the screw-retention holding section for the magsafe puck.

Printed in PLA with 0.2 layer height 30% infill, with support enforcers, and modifiers to make the lower section heavier (higher infill at 80%)

With my iPhone 13 mini, I need to either use two hands to detach the phone from the magnet hold, or lever it off by pulling with some lateral

force (slide/angle the phone off). It's fine, but would be better if the base had greater weighting.

The tolerances on the Apple Watch charger area bit too loose, but the stand works, and the watch doesn't pull out the charger. The screw-locking mechanism for the base needs refinement - it's too tight and difficult to remove the supports currently.

I used three little short HDD screws (#6-32 UNC countersunk screws) I had to hand, although the fit is tight enough that the design doesn't require them.

But it printed well in two parts and the prototype worked first time - so I am publishing this and will update after refinements.

Edit 18/06/2023 Added a version to fit the iPhone 13 Pro (should also work for the iPhone 14 Pro)

I solved the requirement to use a single hand by cutting a circular shape for the base from a reusable adhesive pad. I bought these: [Reusable sticky rubber pads \(South African online retailer\)](#)

## Model files



### stand.stl

☐ Print with supports. Increase infill for lower half.



### stand\_base.stl

☐ Print with supports



### phone-and-watch-stand-v1.3mf



### phone-and-watch-stand-v1.f3d

☐ Designed for the iPhone 13 Mini



### phone-and-watch-stand-large.3mf

☐ This model should fit the iPhone 13/14 Pro



### stand\_base-large.stl

☐ Print with supports



### stand-large.stl

☐ Print with supports. Increase infill for lower half.

## Print files



### phone\_watch\_stand\_magsafe\_02mm\_pla\_mk3s\_11h58m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 11.97 hrs ⚖️ 195 g 🖨️ Prusa MK3/S/S+

☐ Printed with eSun Natural PLA at 215 C 2st layer, 205 C remaining, on smooth sheet.



### phone\_watch\_stand\_magsafe\_large\_02mm\_pla\_mk3s\_14h7m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 14.11 hrs ⚖️ 243 g 🖨️ Prusa MK3/S/S+

☐ Printed with eSun Natural PLA at 215 C 2st layer, 205 C remaining, on smooth sheet.

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