



## GPD XP & XP Plus Folding Stand / Dock (Print in place)



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## Summary

My design for a print in place GPD XP Plus (or XP) folding dock

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## Overview

A print in place GPD XP Plus (or XP) folding dock.

- It's a a really snug / solid fit for the device
- There's space below the device for an L-shaped USB-C cable (DC in or TV out) and 2 options for cable management; one via side game character cut-out and one via mouse door on the back panel.
- Folded up, it fits in top section of the GPD's carry case with a ton of space left over for earbuds, a mini-bluetooth controller and cables.

- 270 degree hinges allow the wings to fold backwards into its upright position. The barrel of the hinge protrudes backwards giving the stand great stability in this orientation.

I used a [guppyk Ready-to-Print, Print-in-Place, All Purpose 270° hinge](#) for attaching the wings. It's a super stable hinge, not at all loose or flappy. It took me a long time to find the right one for this project so I owe huge thanks to [guppyk](#). Thanks dude!

## Use cases & thematics

I use my handheld primarily for retro gaming so the decorated version is themed accordingly, i.e. Pac-Man, Captain America and Spiro the Dragon silhouettes bring an otherwise functional print to life.

My secondary use case for the GPD XP Plus is a portable media station, so I have ensured the lips on the front of the stand do not encroach upon the screen real estate. Despite these being low-profile, they hold the device very securely. This allows me to use the device for watching TV/Movies on-the-go (using it as a stand) >>> then set it up as a dock next to the TV when I arrive and control games & media remotely via a bluetooth controller.

I have uploaded 3 other variants of the model however, if you would prefer to remix and style to your own use cases.

## Printing guidelines

It's a fairly easy print...

- The hinges print in place, just like the original.
- The prototype version (pictured) was printed without support & works great. But, if you enable support then the back side of the hinges will turn out better. You don't need a lot, e.g. touching build plate @ something like 5-8% will do. And they pop off really easily due to their small size. It's your call.
- Choose any settings you prefer when it comes to layer height, bed adhesion settings, infill, wall count, etc. The prototype in my pictures was printed in Polymaker PolyTerra PLA with a 0.2mm layer height. My slicer profile left the top surface a little rough so I'll probably go back and do a better quality soon.

Enjoy :-D

# Model files



01\_gpd\_xp\_plus\_folding\_dock\_fully\_decorated.stl



02\_gpd\_xp\_plus\_folding\_dock\_gpd\_logo\_and\_cable\_cut... .stl



03\_gpd\_xp\_plus\_folding\_dock\_gpd\_logo\_only.stl



04\_gpd\_xp\_plus\_folding\_dock\_blank\_slate.stl

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