



FPV Racing Drone Stand (No Supports Needed)



ByteSlinger

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updated 25. 2. 2023 | published 25. 2. 2023

Summary

I designed this display stand for FPV style drones. Whilst I built this from scratch, there are a couple already on...

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I designed this display stand for FPV style drones.

Buy online:

If you don't have a 3D printer but would like one of these, I now sell them on my Etsy store here:

<https://www.etsy.com/uk/listing/1411458192>

Whilst I built this from scratch, there are a couple already on here that I took inspiration from, but I found them either unbalanced or that they require a crazy amount of support material to print.

This **doesn't require any support material**, and it can hold even larger drones (see pictured my Chimera 7 HD) at a cool looking 25 degree angle very securely.

In the pictures you can see it holds a wide range of drones, from my Bumblebee, through the Nazgul5, all the way up to the Chimera 7!

If you'd like to check if it will fit your quad in it's default scale, the two prongs are 55mm apart (centre to centre) and are 5mm wide.

For most drones, you'll rest your quad with the front arms hooking behind the prongs. If however you have something more like the bumblebee, look underneath your quad and find a pair of holes that will fit them (check there are no cables, components or propellers that the prongs could damage before placing).

If you like this design, you can tip me via 'Buy Me a Coffee' here: <https://www.buymeacoffee.com/JoshForwood>

Alternatively, if you enjoy my free designs and videos on [my YouTube channel](#), please support me and my channel via Patreon:

www.patreon.com/3DRevolution You'll also gain access to the exclusive 3D Revolution discord community, and can get early or exclusive access to additional content including STLs, custom designs, and more!

I printed this in PLA at 40% infill with Gyroid infill. You could probably get away with lower infill (especially for smaller/lighter quads), but as I was going to be using heavier quads on it I didn't want to risk it. Even if you do lower the infill for most of it, I'd recommend using a decent amount of infill on the prongs as this is what will be holding back the drone from sliding off so you don't want them to be brittle. Mine at 40% feels rock solid!

Print Settings

Printer Brand:

Prusa

Printer:

I3 MK3S

Rafts:

No

Supports:

No

Resolution:

0.2

Infill:

40%

Filament: Filamentive PLA Black

Notes:

Unlike other stands on here that either require support material or to be printed in multiple pieces, this is a single print in-place stand with no need for any support material.

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Custom Section**This item is not for commercial use!**

This item is for printing for personal use only. If you wish to use it for another purpose, please feel free to pop me a message. This has been used as prizes in FPV competitions etc which is great and people have been wonderful at getting in contact.

Please note, this design is not by "Eric Carrender Garrido" and he has no rights to it's commercial use. He's trying to sell prints of this but please do not encourage him. If you want this item and don't have a printer of your own, pop me a message and I'll see how I can help.

Category: R/C Vehicles

This remix is based on

FPV Racing Drone Stand (No Supports Needed)

by ByteSlinger

Model files



dronestand.stl

[Find source .stl files on Thingiverse.com](#)

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