

## FLSun Super Racer - Effector housing mount for Orbiter v 2.0



Gaviols

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### Summary

Need to convert an SR to direct drive with an Orbiter v2.0? I got you covered.

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[sr](#) [superracer](#)

Firstly, please don't mind the crappy cable management in the photo, I still haven't figured out a way to tidy up those cables, but since I'm a function-over-form guy it's likely I won't ever bother...

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Ok so, I started from a custom effector housing (of which I cannot find the source anymore, neither here or on Thingi, I'm sorry) that I modified to mount an Orbiter v2.0 in order to convert the printer to direct drive.

Overall a simple design but it works well and is easy to do maintenance on.

#### **Technicalities:**

I recommend printing at 0.2 layer height max, in order to preserve

features and overhangs.

No support material is required, the model has a layer of sacrificial bridging that allows the top portion of the model to be printed without problems, provided that your printer manages to bridge the gap appropriately and is able to print and build above said layer.

I strongly recommend using ABS filament for heat deflection and, mainly, because it ends up about 20-25% lighter compared to PETG/PCTG, which still totally works fine (the old revision I used for almost a year was printed in Fiberlogy PCTG filament).

For the screws, all the original SR hardware can be reused with zero problems, but you need 4 M3 brass heat inserts, two for the holes that mate the effector housing to the aluminium effector plate, and two for those for mating the Orbiter to the effector housing. The other fans' screws can be tapped inside the plastic no problem.

**IMPORTANT:** I strongly recommend to use a piece of bowden tube to guide filament from the output of the extruder, to the heatbreak through the heatsink.

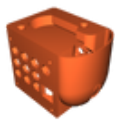
## This remix is based on



-- **DEPRECATED (new version published) -- FLSun Super Racer - Effector housing mount for Orbiter v 2.0**

by Gaviols

## Model files



**flsun-sr-effector-housing-gav.stl**

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