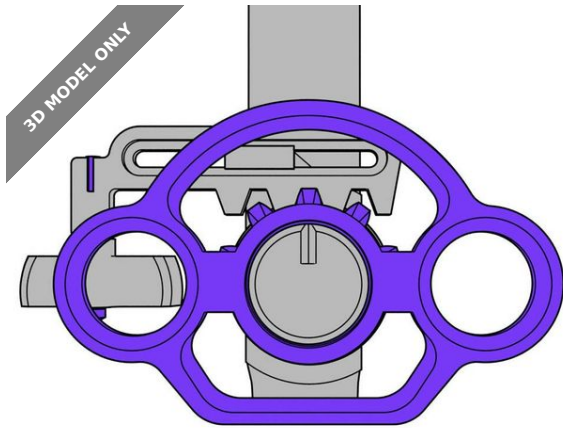
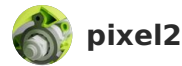




PlayStation 5 controller mini wheel



pixel2

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Summary

Rack and pinion steering for your PS5 controller. 100 degrees of rotation. Get finer control in racing games. Xbox...

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Rack and pinion steering for your PS5 controller. 100 degrees of rotation. Get finer control in racing games.

What you need:

608 bearing, 22mm diameter, 7mm thick, 8mm center. Get one from that dusty fidget spinner you have laying around...also skateboard bearings

1.6mm diameter metal rod X2 [butterfly paper clip/14 gauge finishing nail/wire]

Superglue

You only need to print one frame

Do not use the "wired" frame without a cable inserted in the controller. The frame will

slide left and right when you hit the rotational limits of the wheel. If your cable is smaller

than the frame hole, wrap some tape around it to fill the gap.

2 layers [.4 nozzle]

set walls to 15 for strong solid parts

0 top/bottom layers

supports are built into the frame STL

Tolerances are tight on this model and good layer adhesion is a must. Make sure your printer is properly calibrated before attempting this project.

Post-Printing

Break off the support piece

Glue the top and bottom edge of the bearing into the frame. Wait for glue to dry. Superglue might leave a white haze on the controller if it's not dry.

Attach the pivot to the rack:

Method 1:

Cut down a 14 gauge finishing nail to a length of 20 mm. Pass the nail up through the pivot and into the rack. The pivot should spin free on the nail with minimal play. Put a drop of superglue in the slotted part of the rack. This is probably the most ideal setup. A piece of paperclip [wire] works but it's tricky to get a tight bend on the end.

Method 2:

Kids, don't play with fire...

Take a straight piece of 1.75mm diameter filament and heat the end with a lighter for just over a second. Mash the end so it looks like a nail head. Pass the filament up through the pivot and into the rack. The pivot should spin free with minimal play. Trim the filament so 3mm sticks out of the rack. Heat with a lighter and mash flat.

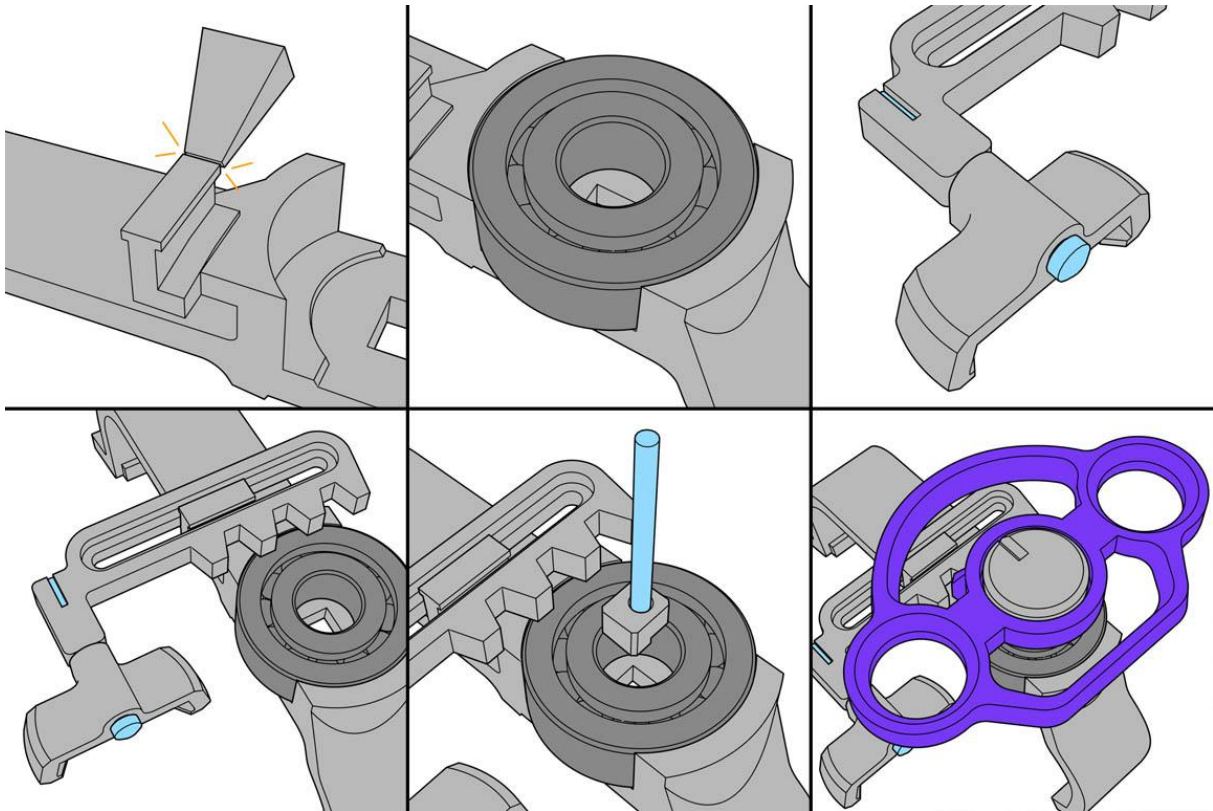
Snap the rack onto the frame

Attach the assembly to the controller. Start by sliding the pivot on to the left stick. Clip the back of the frame on, then the front.

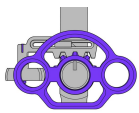
Glue a 22mm length of metal rod into the "nub". Pass this down through the bearing and frame. There is a step in the nub, have this on the left side.

Press the wheel into the bearing and glue the horn on the rod.

Crank up the in game sensitivity and enjoy



This remix is based on



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by pixel2

Model files

ps5_wheel.stl





ps5_wheel_wide.stl



ps5_frame.stl



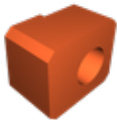
ps5_frame_wired_v2.stl



ps5_rack.stl



ps5_horn.stl



ps5_nub.stl



ps5_pivot.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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