

## Switch for Duplo model railroad



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### Summary

This is a remix of <https://www.printables.com/model/323475/edit>.



11.47 hrs



9 pcs



0.20 mm  
0.15 mm



0.40 mm



PLA



131 g



Prusa  
MK3/S/S+

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Update 2023-10-02 I modified the screw, made it a bit thinner (-0.1 mm) to compensate for tolerances, I did n to print it myself yet, so when you do please give feedback. Also uploaded the modified Fusion 360 file.

**Update 2023-02-05:** I modified the thread in the right hand track. Due to mirroring the thread was wrong.

**Update 2022-11-24** I modified the screw, to make a better fit. When necessary you can re-cut the thread.

This is a remix of <https://www.printables.com/model/121416-duplo-railway-switch>

I improved the holding of the blade so it will not fall off when you turn the track up side down.

Also improved the tolerances on the handle/arm.

Made the connecting parts the same height as standard Duplo tracks.

Added a right hand switch base and blade.

All the parts for one right and one left hand switch will just fit on the build plate of a MK3S+. I have provided gcode for each part. The screw and handle needs to be printed twice when you want both the left and right hand switches.

For those interested I added the Fusion 360 file. (Beware I am only an amateur, the design process was quick and dirty....)

## This remix is based on



### Duplo Railway Switch

by Philip McGaw

## Model files



**track.stl**



**blade.stl**



**arm.stl**



**screw.stl**



**blade-r.stl**



**duplo-switch-v14.f3d**



**track-r-v2.stl**



**duplo-switch-v18.f3d**



**screw\_mod.stl**

## Print files



**track\_02mm\_pla\_mk3s\_5h5m.gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 5.08 hrs ⚖️ 60 g 🖨️ Prusa MK3/S/S+



**blade\_02mm\_pla\_mk3s\_26m.gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.43 hrs ⚖️ 4 g 🖨️ Prusa MK3/S/S+



**arm\_02mm\_pla\_mk3s\_24m.gcode**

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.39 hrs ⚖️ 4 g 🖨️ Prusa MK3/S/S+



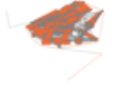
### screw\_02mm\_pla\_mk3s\_20m.gcode

PLA 0.40 mm 0.20 mm 0.33 hrs 2 g Prusa MK3/S/S+



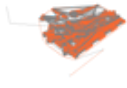
### blade-r\_02mm\_pla\_mk3s\_26m.gcode

PLA 0.40 mm 0.20 mm 0.43 hrs 4 g Prusa MK3/S/S+



### set\_02mm\_pla\_mk3s\_5h50m.gcode

PLA 0.40 mm 0.20 mm 5.83 hrs 67 g Prusa MK3/S/S+



### set-r-\_02mm\_pla\_mk3s\_5h56m.gcode

PLA 0.40 mm 0.20 mm 5.94 hrs 68 g Prusa MK3/S/S+



### track-r-v2\_02mm\_pla\_mk3s\_5h4m.gcode

PLA 0.40 mm 0.20 mm 5.06 hrs 60 g Prusa MK3/S/S+



### screw\_mod\_04n\_015mm\_pla\_mk4is\_11m.gcode

PLA 0.40 mm 0.15 mm 0.18 hrs 1 g Prusa MK4

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