

Bird Feeder



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[VIEW IN BROWSER](#)

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Summary

Bird feeder with pitched roof

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This feeder consists of 1x roof, 1x base and 4x side panels all fastened together with 8xM4 20 mm socket cap head machine screws which self tap themselves into the PLA etc.

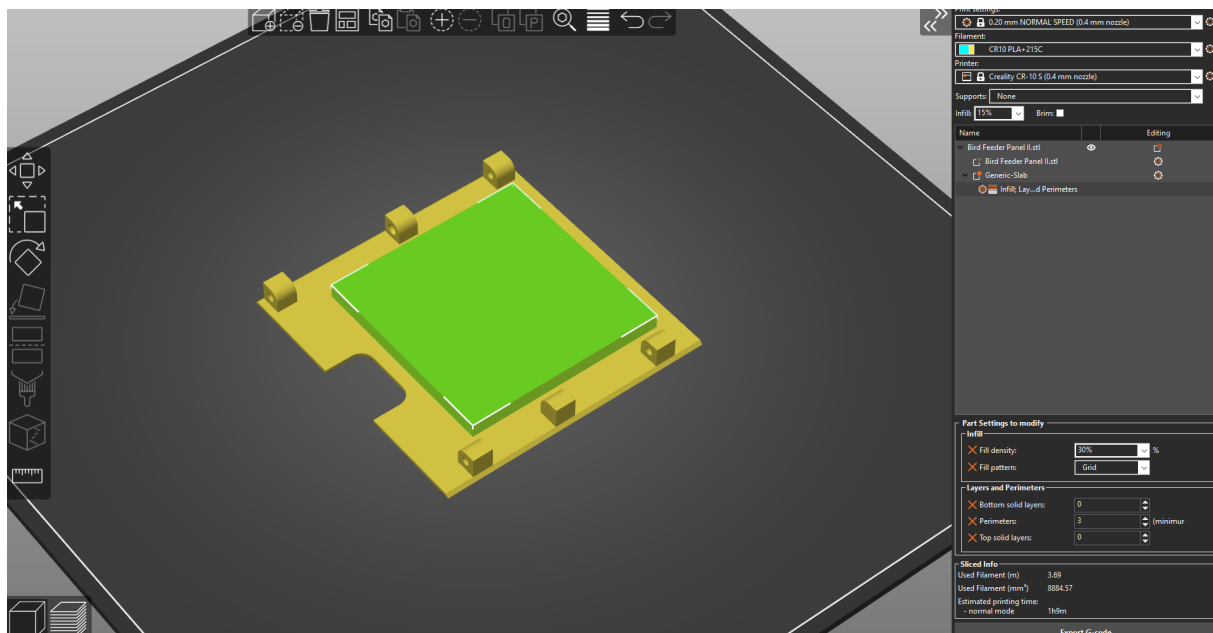
The roof is the longest print and takes some 4 hours on my CR10-S and is designed such that it doesn't require supports.

Note the cutaway in one side of the roof for filling

The base is also a single print and will get away with no supports.

The side panel is printed 4 times and has to have a box or slab modifier added to the centre area to provide the mesh (0 top and bottom layers with a 30% mesh infill works well, although the type and density of mesh is entirely optional). But of course, you can adjust these at will to create, for instance, 3 solid sides and one with a top opening to make a nesting box. Or, as shown in one of the photographs, pillar sides to create a totally open feeding platform (I've just added the pillar stl file to allow for this

together with the edging which can be used in conjunction to keep the food contained).



Locators are provided in each vertical edge of the panels to provide support and assist locating all the parts for assembly.

Starting with the base and sides is probably the easiest with the first pair being the trickiest as one M4x20mm cap head screw has to locate two adjacent faces to it. Once this is done then the rest are easy.

Model files



bird-feeder-roof-ii.stl

Print x1



bird-feeder-base-ii-with-perches.stl

Print x1



bird-feeder-panel-ii.stl

Print x4



bird-feeder-pillar.stl

☐ Print x4 instead of the panels to create an open style feeder



bird-feeder-edging.stl

☐ Print x1 to fit round the pillars of the open style to provide a container for the food

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