



Žižkovská věž (Zizkov Tower, Prague)



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[VIEW IN BROWSER](#)

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Summary

The iconic Zizkov television tower, a regular entry in various "world's ugliest buildings" lists.



32.97 hrs



7 pcs



0.10 mm
0.15 mm
0.20 mm



0.40 mm



PLA



273 g



Prusa
MK3/S/S+

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Zizkov television tower in Prague. Perhaps ugly, but definitely an iconic landmark of the city.

As far as I know, all the few other available models of the Zizkov tower are either very simplistic or very expensive, so I wanted to fill this gap. Most of the modeling was made by eye, so I don't guarantee all the dimensions and proportions to be 100% correct - but it looks reasonably right to me.

No crawling babies, sorry :-)

There are two versions:

1. single-part SLA version, sized for the maximum print height of the Original Prusa SL1S (150mm). Prints with manually edited supports, 0.3mm heads, 0.3mm penetration.
2. multi-part FDM version, 700mm high. There are very few supports

(perhaps they aren't even necessary, feel free to take your chances, I didn't test it).

There are 22 parts of the main structure split into four 3MF files, and two more 3MF files with optional microwave masts and antennas. Most of the parts are either silver-grey or white, plus there are a few red segments of the main antenna mast.

Tip: since the red and white mast segments might be somewhat difficult to align, I also uploaded the whole top mast with color changes. Changing filament five times is tedious, but you don't have to glue the segments and the whole mast is guaranteed to be absolutely straight ;-) Or, of course, you can slice the 3MF file without the color changes and simply paint the red stripes afterwards.

Don't be intimidated by the number of parts, it's actually quite simple to put together. Just be careful not to mix up the decks - use a photo or the single-part SLA version as a guide. Note that on each deck, two "pods" are the same (named B) and one is different (named A).

The microwave masts and antennas are very tiny in the default size, with single-perimeter walls - consider skipping them or printing them with a 0.25mm nozzle, on an SLA printer, or use them only when scaling the whole model up. However, all the clusters of microwave antennas do add a lot to the typical look of the tower.

Enjoy, any comments are appreciated.

Model files



zizkov-sla.3mf



zizkov-decks-silver.3mf



zizkov-top-white.3mf



zizkov-top-segments-red.3mf



zizkov-masts-silver.3mf



zizkov-microwaves-white.3mf



whole-top-mast-with-color-changes.3mf



zizkov-columns-silver.3mf

Print files



microwaves-white_01mm_pla_mk3s_17m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.10 mm ⌚ 0.28 hrs ⚖️ 1 g 🖨️ Prusa MK3/S/S+



top-segments-red_015mm_pla_mk3s_21m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.15 mm ⌚ 0.35 hrs ⚖️ 1 g 🖨️ Prusa MK3/S/S+



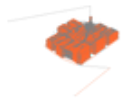
masts-silver_01mm_pla_mk3s_2h14m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.10 mm ⌚ 2.23 hrs ⚖️ 2 g 🖨️ Prusa MK3/S/S+



zizkov-top-white_01mm_pla_mk3s_6h17m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.10 mm ⌚ 6.28 hrs ⚖️ 25 g 🖨️ Prusa MK3/S/S+



zizkov-decks-silver_015mm_pla_mk3s_9h46m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.15 mm ⌚ 9.77 hrs ⚖️ 87 g 🖨️ Prusa MK3/S/S+



whole-top-mast-with-color-changes_02mm_pla_mk3s.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 0.53 hrs ⚖️ 2 g 🖨️ Prusa MK3/S/S+



zizkov-columns-silver_02mm_pla_mk3s_14h3m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 14.06 hrs ⚖️ 157 g 🖨️ Prusa MK3/S/S+

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