

3D MODEL ONLY



Wind Maker / Fan Amplifier



Derek

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Summary

If you like this or it benefits you, consider leaving a tip.

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[fanamplifier](#)

If you like this or it benefits you, consider leaving a tip.

Sleeping in the fall after it's cooled off outside can be difficult at time for me. I get used to the sound of a fan all night in the summer and then when that is taken away in the fall I don't sleep well until I readjust. This amplifies the internal fan and it's natural wind noise to allow you to more comfortably adjust, or just to fill the silence with a bit of sound. based on the position you set the holes in the housing, the volume and pitch change allowing you to customize the experience to whatever suits your needs.

For this project you'll need a 120mm variable speed (optional) computer fan, some kind of 12 volt power source for it, 5 M3x10 screws, and a 15x21mm on off switch (also optional). See the pictures for each stage of the design. These are the switches it was designed for: https://www.amazon.com/gp/product/B01N2U8PK0/ref=oh_aui_search_detailpage?ie=UTF8&psc=1

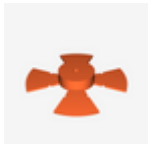
(If using WM Inside Top V2 you may need a screw shorter than 10mm. Test the length before assembly.)

- 1.Remove the fan frame from the fan
- 2.Glue or adhere the fan to WM Inside Top (or WM Inside top V2 Note:V2 will likely require you to lengthen the variable fan cable length but will increase the amount you can customize the wind noise)
- 3.Sand the WM Inside Bottom so that WM Outside Sides can slide smoothly on it.
- 4.Add nuts to WM Inside Bottom THEN glue WM Inside Top to the WM Inside Bottom
- 5.Glue power and speed control wires out of the way of the fan
- 6.Run Wires through WM Bottom and screw WM Bottom to WM Inside Bottom
- 7.Apply a bit of grease to WM Inside Bottom (optional for increased ease of movement) and then put WM Outside sides over the top. Lastly add WM Outside Top and screw it on with the single middle screw.

Model files



wm_inside_top_v2_higher_fan.stl



wm_inside_top.stl



wm_inside_bottom.stl



wm_bottom_v2_cutout_for_onoff_switch.stl



wm_bottom.stl



wm_outside_sides.stl



wm_outside_top.stl



wind_maker_complete.stl

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