



Supports ESP32 Dev board and speakers with larger magnet.



ImpatientMaker

[VIEW IN BROWSER](#)

updated 4. 9. 2025 | published 4. 9. 2025

Summary

Supports ESP32 Dev board and speakers with larger magnet.

[Gadgets](#) > [Other Gadgets](#)

NEW! Video of how I built the circuit and installed the software:

UPDATE: I was missing the diffuser file. You could get it from the base model but for convenience I uploaded it here (and converted it to metric)

In the cover, I added a hole in the middle as I was worried about volume and also range on the microphone. I printed the cover in two parts (using the split object feature of the slicer) and the diffuser separately as well.

I recommend increasing the Z of the base and wide ring at least 5mm to give more room for wires - it was a tight fit. Also I would change the Z seem to random as it's unsightly.

My Github repo for the code I'm using. Also has schematic and links to parts. <https://github.com/impatientmaker/esphome-voice-assist>

These are the speakers I bought - I'm happy with them. <https://www.amazon.com/dp/B0CDXQ8JTC>

The inspiration for my build came from here: <https://community.home-assistant.io/t/egg-voice-assistant/698819>

I got the original code from here: <https://tristam.ie/2024/1126/>

This remix is based on



Voice Assist Puck

by JakeB

Model files



esp32-assist-base.stl



esp32-assis-top.stl



diffuser.stl

License ©

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)



Attribution-NonCommercial

✖ | Sharing without ATTRIBUTION

- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition