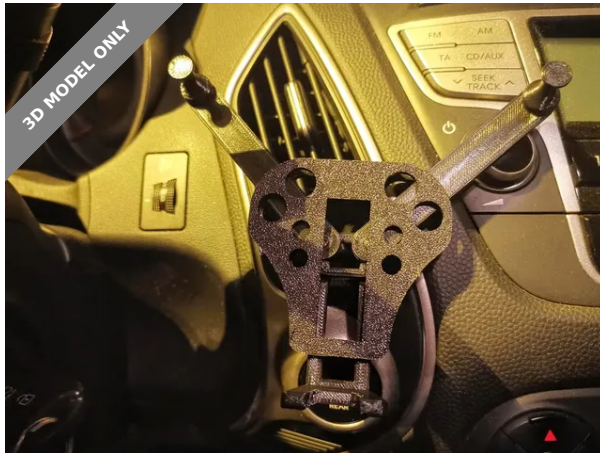




Car Vent Gravity Phone Holder v4



jonnieZG

[VIEW IN BROWSER](#)

updated 26. 7. 2025 | published 26. 7. 2025

Summary

The remix of the ingenious design by Abdel Darwish. Main changes: The clip can rotate to adjust to various vent fins...

[Gadgets](#) > [Portable Devices](#)

Tags: [holder](#) [mount](#) [car](#) [samsung](#) [iphone](#) [huawei](#)
[xiaomi](#) [smartphoneholder](#) [thingiverse](#) [phoneholder](#)
[iphonestand](#) [folgertech](#) [lgg3](#) [lgg4](#) [lgg5](#) [lgg6](#) [lgphone](#)

Originally the remix of the ingenious [Car Vent Gravity Phone Holder](#) by [Abdel Darwish](#) that in the version V3 I remodeled from the scratch, keeping the original idea and general outline.

Main changes in V4 (2025-07-26)

- **Changed parts:**
 - Arm
 - Sled
 - Clip
 - Clip Knob
- **Sled:** Thicker pins that hold the arms (reported breaking in some cases)
- **Arms:** Bigger hole for the pins.

- **Clip:**
 - The clip profile changed to prevent its jaws from deforming when using for a long time in a hot car
 - The tip is remodeled for better grip
- **Clip:** Remodeled to accept **a screw for plastic** (diameter 2.8-2.5mm, length 6-10mm)
- **Clip Knob:** Added a hole for the screw
- **NOTE: The screw holding the clip to the clip knob is optional, but highly recommended.**

Main changes in V3

- Remodeled body for tighter tolerances (in previous versions sometimes the front and the back plate would detach)
- Clip remodeled for better grip and easier removal from the fins when needed
- Tighter Clip + Clip Knob for click-fit
- Sled remodeled for a phone to sit better
- Arms remodeled for faster print

Main changes in V2

- The clip can rotate to adjust to various vent fins
- Openings in the body to allow air to pass and cool the phone
- UPDATED 2022-09-01: a “hooked” clip with a stronger grip to the ventilation fins and a longer “long” clip, also with a stronger grip. Try and see which one suits you best.

Longer arms to allow access to volume buttons for Huawei, Samsung and iPhone Press the Clip Knob to the Clip - it should snugly fit. It is highly recommended to fix the two with a screw for plastic, diameter 2.8-2.5mm, length 6-10 mm.

Alternatively, fix the two with a tiny drop of superglue. There is no need for the glue if you use a screw.

Do not glue the clip to the body. It must be allowed to rotate.

Print Settings

Printer:

- Prusa CORE One

Rafts

- No

Supports

- On Build-Plate only

Resolution

- 0.20

Infill

- Clip: 90% Gyroid infill
- Other parts: 30% Gyroid infill

Filament

- ASA (Highly recommended) or other temperature-resistant filament
- PETG (The clip could soften when the car heating is on)

Category: Mobile Phone

This remix is based on

Car Vent
Gravity
Phone
Holder

Car Vent Gravity Phone Holder
by AbdelDarwish

Model files



V4 - Latest

7 files



phoneholder.3mf

☐ PrusaSlicer Project File



backplate.stl



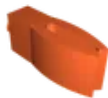
frontplate.stl



sled.stl



arm.stl



clip.stl



clipknob.stl



V3 (Older version)

7 files



phoneholder.3mf

☐ PrusaSlicer Project File



backplate.stl



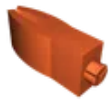
frontplate.stl



sled.stl



arm.stl



clip.stl



clipknob.stl



V2 (Older version)

8 files



sled.stl



back_plate.stl



arm.stl



clip_knob.stl



front_plate.stl



clip.stl



clip-long.stl



clip-hooked.stl

[Find source .stl files on Thingiverse.com](#)

License

This work is licensed under a
Creative Commons (4.0 International License)



Attribution—Noncommercial—Share Alike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition

