



Talking Claptrap (CL4P-TP)



Mikolas Zuza

VIEW IN BROWSER

updated 10. 4. 2026 | published 10. 4. 2026

Summary

CL4P-TP, better known as Claptrap from the game series Borderlands!



46.61 hrs



7 pcs



0.07 mm
0.20 mm
0.15 mm



0.40 mm



PLA
PET



432 g



Prusa MINI /
MINI+

[Toys & Games](#) > [Action Figures & Statues](#)

Tags: [borderlands](#) [claptrap](#) [game](#) [games](#) [robot](#)

CL4P-TP, better known as Claptrap from the game series Borderlands!

ARTICLE & TUTORIAL:

https://blog.prusaprinters.org/how-to-build-a-talking-robot-with-animated-leds_37072/

I modified the wonderful design by **Chaos Core Tech** to make it easier to print and to have space for electronics. Mainly, the eye lens, LED holder, front vent cover, main body and top cover are modified/new.

Video tutorial:

List of features

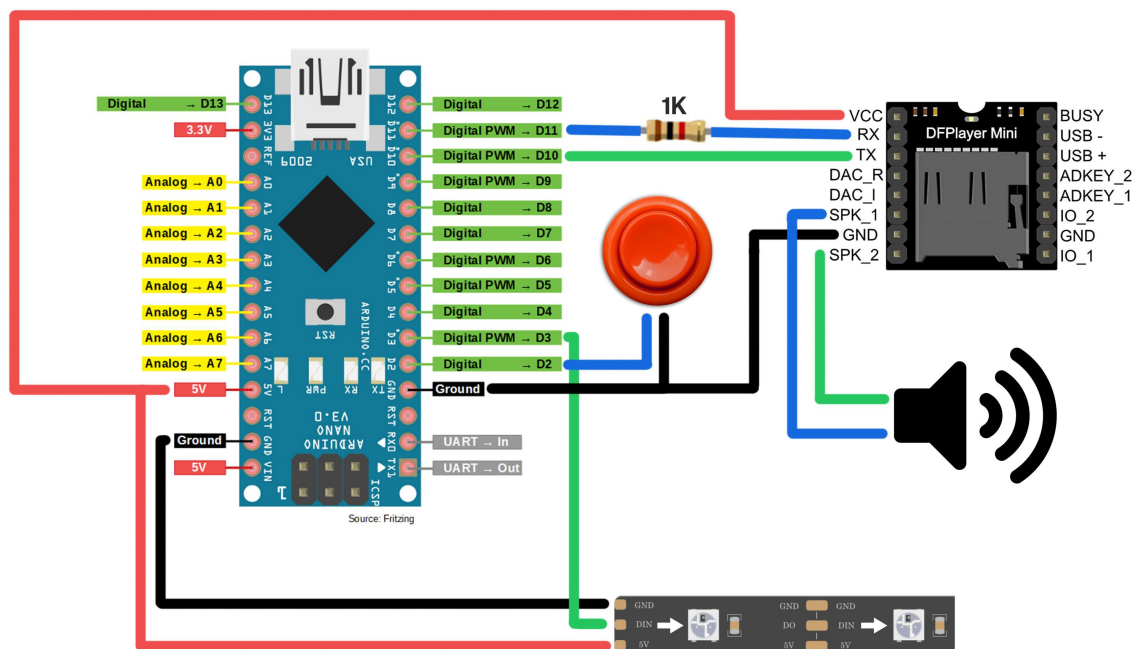
- A programmable LED eye
- Blinks when Claptrap talks
- Can be set to any color, can be animated
- An audio player and a speaker
- SD card slot for audio storage

Claptrap sounds:

<https://drive.google.com/file/d/1InYd2nECkhOr428Xd9kt82k5U9Ifm3We/view?usp=sharing>

Soundboard

<https://www.101soundboards.com/boards/22561-claptrap-soundboard>



Print instructions

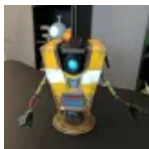
The majority of the model was painted, so the color of the filament didn't matter too much. However, there are some exceptions – for example, to print the wheel, we picked our Prusament Galaxy Black and we left it partially unpainted. We printed **most parts from PLA**. It's easy to print with, has great detail and especially for the big body piece, it's really nice that the material doesn't warp. The arms are quite thin, so we picked PETG instead to increase their durability (but you could print them with PLA too). The LED holder was also printed from PETG.

The main body piece, wheel with stand and arms need supports. But they'll be pretty easy to remove.

Printing the lens, though, that can be quite tricky! Following the steps in our 3D printed lenses and other cool transparent objects article, we printed the lens from ABS, sanded it and polished it. We don't really use ABS anymore these days (there are better alternatives/successors, like ASA), but for transparent objects, it works quite well. If you have access to an SLA printer, using it for the lens would be even better.

We scaled the whole model up, but it can still be printed even on the Original Prusa MINI. Feel free to change the scale of the model, just keep in mind that the smaller the model, the more challenging it will be to fit in the electronics.

This remix is based on



Claptrap from Borderlands!

by ChelsCCT (Chelsey Creates Things)

Model files



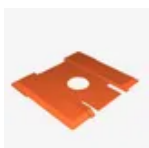
claptrap_main_body.3mf



claptrap_main_body.stl



claptrap_top_with_button_hole.3mf



claptrap_top_with_button_hole.stl



wheel-with-stand.3mf



wheel-with-stand.stl



claptrap_hands.3mf



claptrap_hands.stl



arms.3mf



forearm.stl



bicep.stl



shoulders.3mf



shoulders.stl



front_cover.3mf



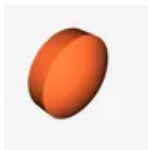
front_cover.stl



led_holder.3mf



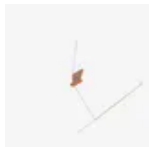
led_holder.stl



eye_lens.stl

☐ Print from clear filament

Print files



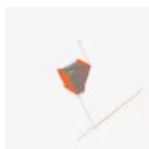
front_cover_007mm_pla_mini_35m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.07 mm ⌚ 0.58 hrs ⚖️ 1 g 🖨️ Prusa MINI / MINI+



claptrap_top_with_button_hole_02mm_petg_mini_2h.gcode

⚙️ PET ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 2.21 hrs ⚖️ 34 g 🖨️ Prusa MINI / MINI+



shoulders_015mm_pla_mini_2h24m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.15 mm ⌚ 2.39 hrs ⚖️ 15 g 🖨️ Prusa MINI / MINI+



claptrap_hands_015mm_pla_mini_2h31m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.15 mm ⌚ 2.52 hrs ⚖️ 12 g 🖨️ Prusa MINI / MINI+



arms_015mm_pla_mini_3h8m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.15 mm ⌚ 3.13 hrs ⚖️ 13 g 📄 Prusa MINI / MINI+



claptrap_wheel_base_015mm_pla_mini_9h27m.gcode

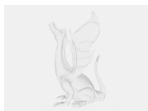
🌀 PLA 🌀 0.40 mm ≡ 0.15 mm ⌚ 9.46 hrs ⚖️ 80 g 📄 Prusa MINI / MINI+



claptrap_main_body3_015mm_pla_mini_1d2h19m.gcode

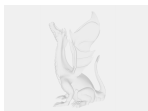
🌀 PLA 🌀 0.40 mm ≡ 0.15 mm ⌚ 26.32 hrs ⚖️ 276 g 📄 Prusa MINI / MINI+

Other files

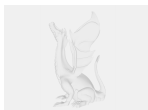


claptrap.ino

📄 Arduino source code for the robot



front_graphics.pdf



claptrap_sounds_pack.zip

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by/4.0/)



Attribution

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use

- ✓ | Free Cultural Works
- ✓ | Meets Open Definition