



HP Robots | Otto Starter



Otto DIY

[VIEW IN BROWSER](#)

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Summary

New improved Otto in partnership with HP. A high quality and sophisticated take on the popular educational robot.



4.60 hrs



1 pcs



0.20 mm



0.40 mm



PLA



107 g



Prusa MINI /
MINI+

[Learning](#) > [Engineering](#)

Tags: [toy](#) [robot](#) [arduino](#) [python](#) [hp](#) [ottodiy](#) [hprobots](#)

Build and program a funny and cute modular robot easily. Learn creative design, 3D printing, mechanics, electronics, engineering and coding. **No prior knowledge is required**, easily extend functionality and educational experiences through expansions.

Current programmable toys do not allow children to explore how they actually are made and work, from the inside out, they limit the imagination and play time by restricting the possibilities to a set of features. Otto enables inventive thinking and problem solving while understanding the technology.

CREATE your own robot, customize color and accessories to functionality, make it unique.

CONNECT the electronics and mechanical parts of a robot and interact with sensors.

CODE easily with block based web App that runs directly on browser in all OS.

TEACH science, technology and creativity.

You can print in PLA or similar materials no need supports

Temperature: PLA ~ 215 °C | PETG ~ 240 °C

Layer height: 0.2mm or less

Perimeters: 3 minimum

Infill density: 15% or more

No need supports or rafts or brims.

Building manual, code platform and lessons in hprobots.com.

Buy all necessary electronic parts here. No soldering, no troubleshooting, no hassle, ready to play out of the box.

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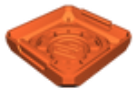
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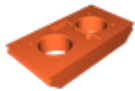
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Model files



hp_starter_toplights_s_r1.stl

☐ Top, print in white, gray, or transparent materials for RGB to be visible



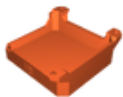
hp_starter_faceultrasonic_b_r1.stl

☐ Face



hp_starter_middle_b_r1.stl

☐ Middle



hp_starter_batterycover_b_r1.stl

☐ Cover



hp_starter_bracket_s_r1.stl

☐ Bracket



hp_starter_bottom_s_r1.stl

☐ Bottom



hp_starter_wheel_s_r1.stl

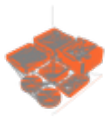
📄 Wheel x2



hp_starter_caster_s_r1.stl

📄 Caster

Print files



hp_ottostarter_pla_miniis_4h36m.bgcode

🌀 PLA 📏 0.40 mm ≡ 0.20 mm ⌚ 4.60 hrs ⚖️ 107 g 🖨️ Prusa MINI / MINI+

📄 Reference for printing time, it is recommended to print parts separately.

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