



Otto DIY Smart OLED robot



Otto DIY

[VIEW IN BROWSER](#)

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Summary

Otto is modular, so you can add this OLED + Temperature and humidity sensing.



1.00 hrs



1 pcs



0.28 mm



0.40 mm



PLA



15 g



Prusa MINI /
MINI+

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Tags: [robot](#) [arduino](#) [electronics](#) [temperature](#) [humidity](#)
[smart](#) [ottodiy](#)

Make you robot more visual and animated with this great OLED display you can add it in front of Otto as a mouth to display variables, numbers, messages, sensor values, icons. It could also be adapter as a replacement for your robot eyes.

more details in <https://www.ottodiy.com/>

Features

- **Temperature + Humidity sensor**

- **Touch interaction**
- **OLED mouth display**
- Simple Programming with **Otto Blockly** or Arduino
- Instruction manual included
- Integrated USB charger
- Walks & dances
- Avoids obstacles
- Makes emotional sounds and melodies

List of Parts

- Otto Nano Microcontroller I/O board
- Micro USB cable
- Rechargeable battery.
- Printed Instruction Manual
- ⚙ 4 x micro servo motors with set of screws.
- Ultrasonic sensor
- Buzzer
- 10 x DuPont cables
- Phillips screwdriver
- **Touch sensor**
- **DHT Temperature and humidity sensor**
- **OLED display with a resolution of 128 x 64 pixels**
- **3D printed Expansor**
- **3D printed OLED mouth holder**
- **3D print the biped parts : [Otto DIY biped](#) | [STL files](#) |**

Instruction Manuals available to download in the files tab.

We invested lots of time and resources to provide open source code, software and hardware, please support this project by just **giving us a ♥ Like and share** and you are **welcome to be a part of this friendly community** of robot builders, teachers and makers.

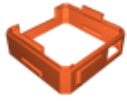
Join today our [Otto Builder community](#)

This remix is based on



Otto DIY build your own robot
by Otto DIY

Model files



ottoexpand_smart_ringv13.stl

☐ it can accommodate a DHT sensor



ottoexpand_oledsmallv13.stl

☐ for smaller 0.96" OLED



ottoexpand_oled096biggerv13.stl

☐ for 0.96" OLED display



ottoexpand_oled13v13.stl

☐ for 1.3" OLED displays

Print files



ottoexpand_smart_028mm_pla_mini_1h0m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.28 mm ⌚ 1.00 hrs ⚖️ 15 g 🖨️ Prusa MINI / MINI+

Other files

ottodiysmartmanual.pdf

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

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