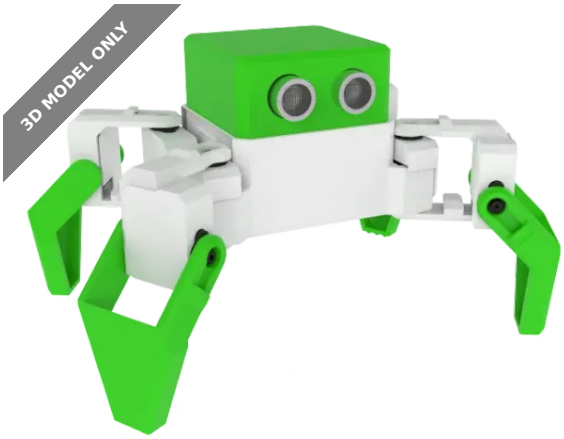


Otto DIY Quadruped robot

Otto Robot

VIEW IN BROWSER

updated 10. 11. 2025 | published 10. 11. 2025

Summary

A great mix of 2 great opensource robots Otto and Kame, giving the ability to move around in a more dynamic way.

Hobby & Makers > RC & Robotics

Tags: quad robot spider arduino quadruped ottodiy

Quad was inspired was inspired by #OttoDIY hat we all know ;) and MiniKame is a little quadruped robot based on an ESP8266 WiFi module. It has 8 servos (two per leg) and a small LiPo battery.

Features

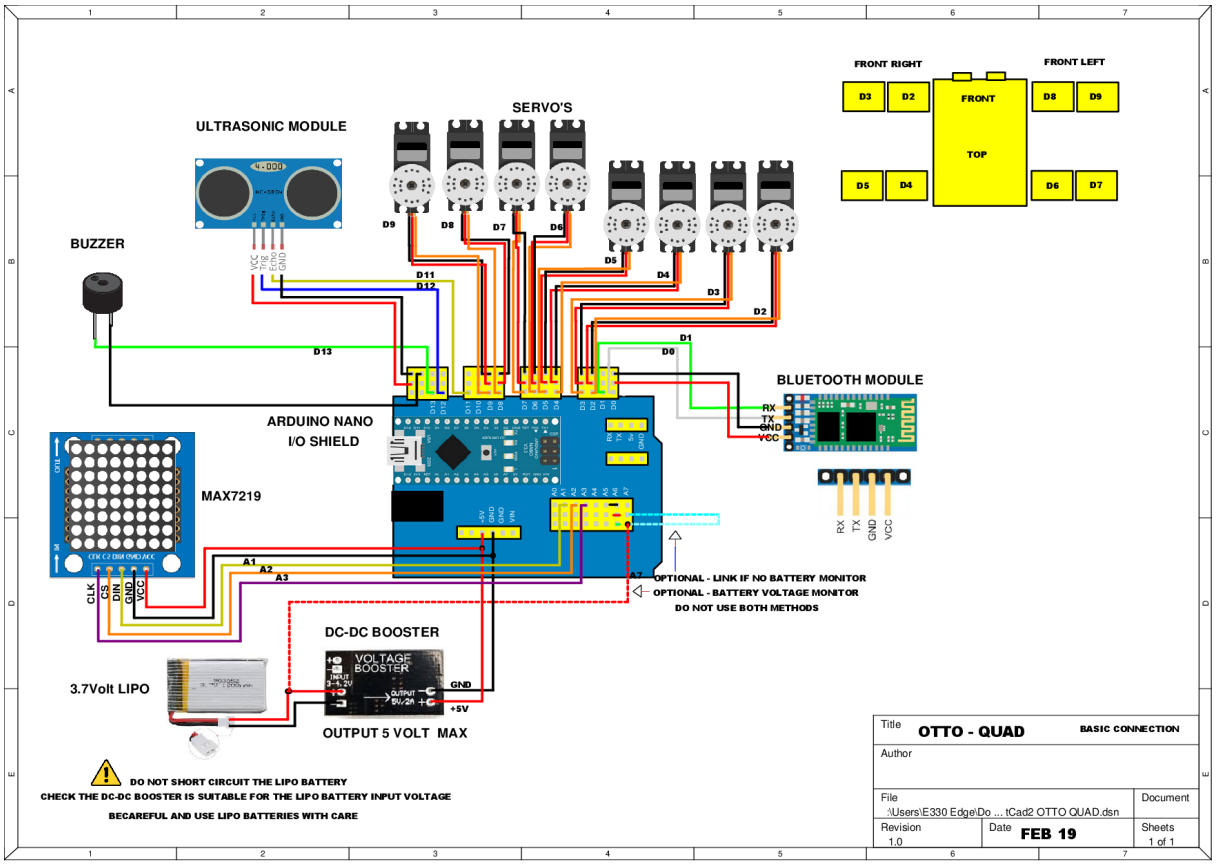
- Simple Programming with Otto Blockly or Arduino
- Instruction manual included
- Walks & dances
- Makes emotional sounds and melodies

Print instructions

Recommended to use a FDM 3D printer with PLA material.
No need supports or rafts.
Resolution: 0.3mm or 0.2mm for better resolution
Fill density: 15%

List of Parts

- Otto Nano Microcontroller + I/O board
- Micro USB cable
- Rechargeable battery
- ⚙ 8 x micro servo motors with set of screws.
- Buzzer
- 16 x DuPont cables
- Phillips screwdriver
- **3D Printed head (select from ultrasound or led matrix)**
- 3D Printed body
- 3D Printed legs
- 3D Printed feet



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 Robot



Poor Mini Kame - 8 DOF Quadruped Robot

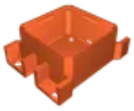
by Makergal3D



Otto DIY is a 3D printable open source robot

Model files

Compact design 5 files



ottoquadbodyv13.stl



ottoquadfootax2.stl



ottoquadlegax2.stl

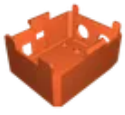


ottoquadlegbx2.stl



ottoquadfootbx2.stl

Bigger design 5 files



ottoquadbigger_head.stl



ottoquadbigger_body.stl



ottoquadbigger_hips.stl



ottoquadbigger_legs.stl



ottoquadbigger_pins.stl

Other files

firmwarever_9.ino

Arduino code

ottoquadlibs.zip

Arduino Libraries

ottoquadbigger_code.zip

Alternative code with Android App apk

Find source .stl files on Thingiverse.com

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