



The ultimate DIY Automatic Dog Ball Launcher. With Video Tutorial.



Brankly

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Summary

This is the best dog toy ever! Your dog will love it! This is the ultimate dog ball launcher. With a funny design so...

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Tags: [dog](#) [ball](#) [raspberrypi](#) [launcher](#) [raspberrypico](#)

This is the best dog toy ever! Your dog will love it! This is the ultimate dog ball launcher.

With a funny design so you will love it too! With the use of a raspberry pi pico and two DC motors, this device can launch a ball for your dog to fetch.

It's the perfect weekend DIY project.

Video Tutorial: <https://youtu.be/WglqSjnIZMQ>

Hardware Items:

Raspberry Pi Pico: <https://geni.us/sp3X>

Motors: <https://geni.us/epkylo>

Motor Couplings: <https://geni.us/LolRx>

Motor Controller: <https://geni.us/n9He>

Ball Sensor: <https://geni.us/AUql>

Power Jack Socket: <https://geni.us/9Z1A3L>

On/Off Switch: <https://geni.us/hA9rl1>

Anti Slip Tape: <https://geni.us/vBWvs>

PCB Prototype Board: <https://geni.us/cyUj>

Balls: <https://geni.us/fR6ws5j>

Power Adapter: <https://geni.us/kquy2>

PETG Filament: <https://geni.us/EDkD>

Servo: <https://geni.us/J0fbhYz>

PCB Header: <https://geni.us/kOjjN>

DC/DC Converter: <https://geni.us/IWZsq>

Threaded Inserts: <https://geni.us/Y5B8F>

Cables: <https://geni.us/MEFMI>

M3 Screws: <https://geni.us/BtaNH>

USB Connector: <https://geni.us/Fbtc4g>

JST Connector: <https://geni.us/d0GSkqj>

Dupont Connector: <https://geni.us/011B5>

Hot Glue Gun: <https://geni.us/zi0V2>

Wood Screws: <https://geni.us/XuWfG>

Soldering Iron: <https://geni.us/ViAH>

Solder: <https://geni.us/koM6s>

3D Print Models: <https://www.thingiverse.com/thing:5019572>

CircuitPython code: <https://github.com/branklyvideo/dog-ball-launcher>

Sensor Library: https://github.com/adafruit/Adafruit_CircuitPython_VL53L0X

CircuitPython: <https://circuitpython.org/>

Print Settings

Printer Brand:

Prusa

Printer:

I3 MK3S

Supports:

Yes

Resolution:

0.3

Infill:

30%

Filament:

OVERTURE PETG Category: DIY

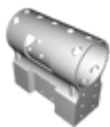
Model files



funnel.stl



right_ear.stl



motor_mount.3mf



left_ear.3mf



case_top.stl



elbow_part.3mf



sensor_case.3mf



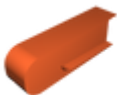
case_bottom.stl



right_ear.3mf



left_ear.stl



servo_arm.stl



servo_arm.3mf



exit_ramp.3mf



case_bottom.3mf



sensor_case.stl



elbow_part.stl



case_top.3mf



roller_smooth.stl



funnel.3mf



roller_smooth.3mf



servo_lid.stl



exit_ramp.stl



servo_lid.3mf



motor_mount.stl

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

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