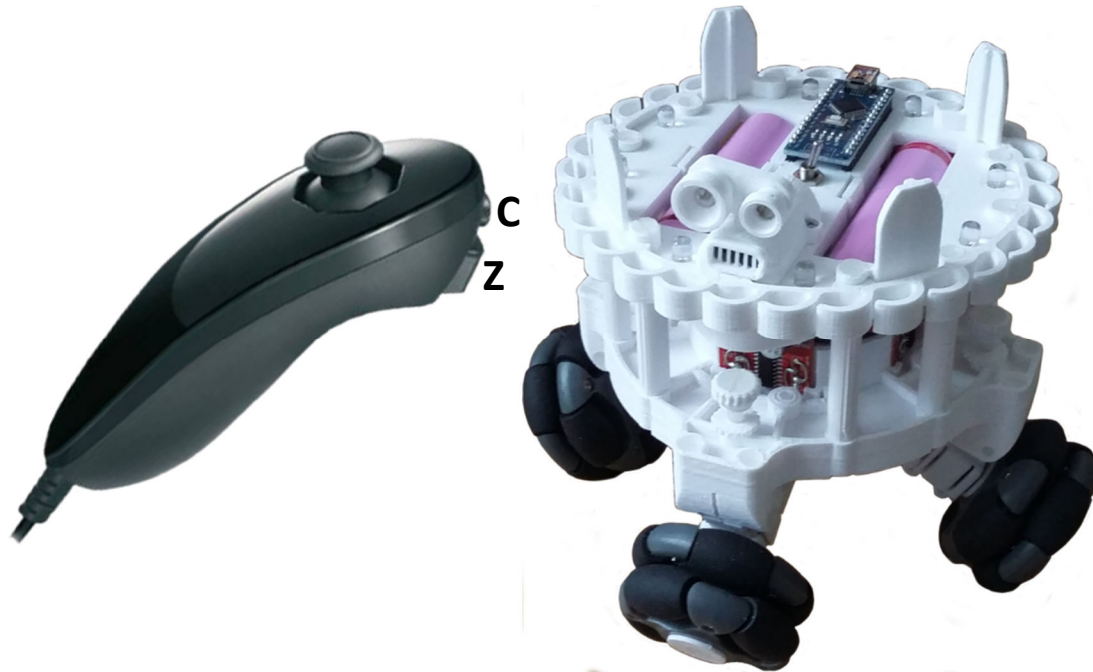


BallBot 4x4 –Functions



Tech:

- Arduino NANO microcontroller 16MHz 8-bit RISC
- 4 x 6v DC geared motors (150rpm)
- MPU6050 3-axis gyro & accelerometer (250rps)
- 4 x MX1616 MOS PWM Dual H-Bridge Drivers
- 48mm Omni directional wheel drive
- 3-D printed construction
- Adjustable wheel angle to match ball size

Features:

- Safe start, calibration with LED indicators
- Topple detection
- Upright:
 - Long press – force calibration
 - 1 – enter ‘balance’ mode full PID
 - 2 – enter ‘balance mode P only
- Upside down:
 - 1 – enter wheel demo mode
- Nunchuk steering, ‘Z’ turn speed reduction
- Battery Low sensing with cut-off
- PID controller + graphing tool

Enhancements:

- None.

