

Bot Follower

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Project Objective

Design a robot that can carry items and follow a user in a warehouse.

Specifications

Max. carry weight:
50 lbs

Detection range:
1m – 4m

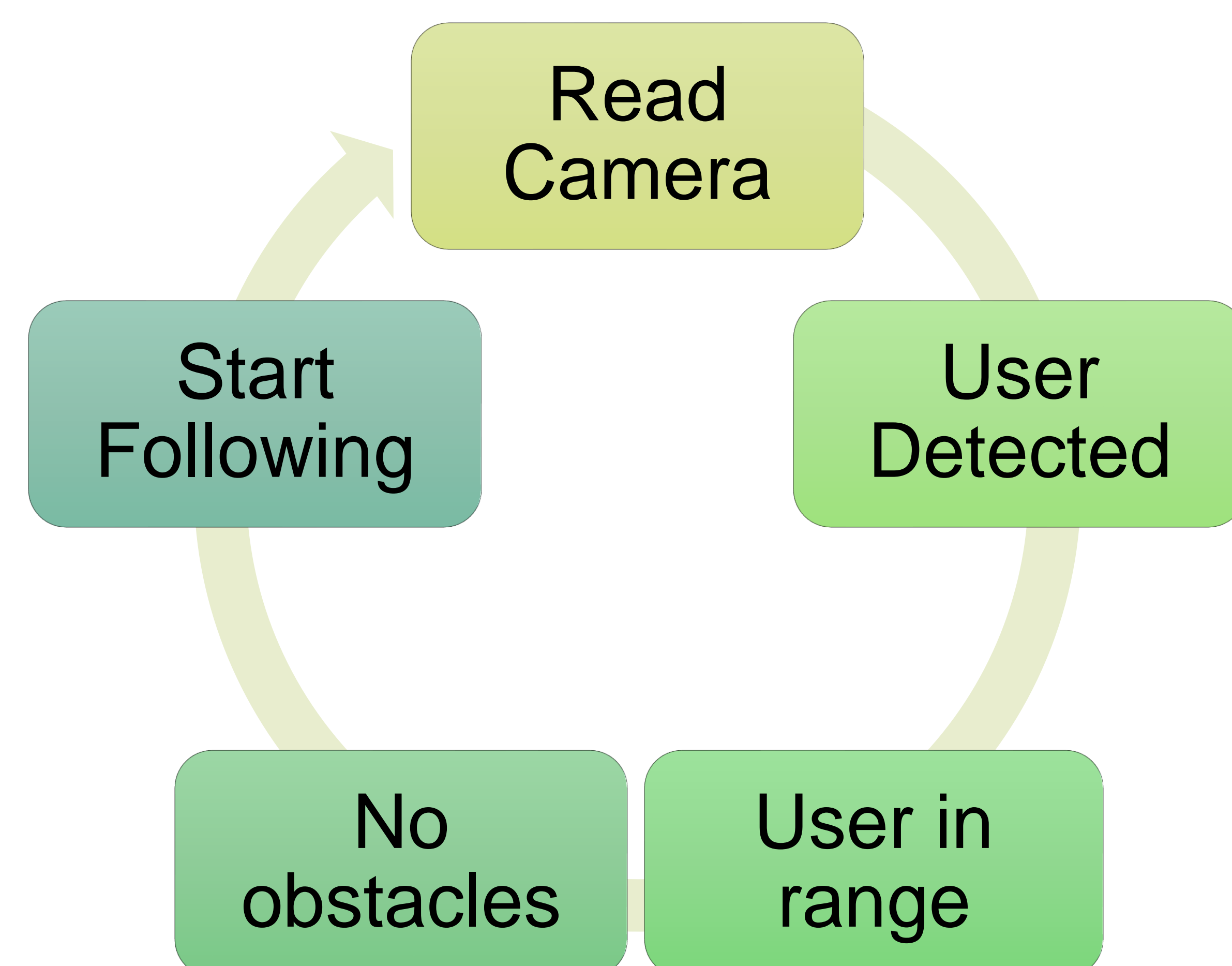
Obstacle detection:
• Front – 70cm
• Left/Right – 30cm

Speed:
0.5 m/s - 1.2 m/s

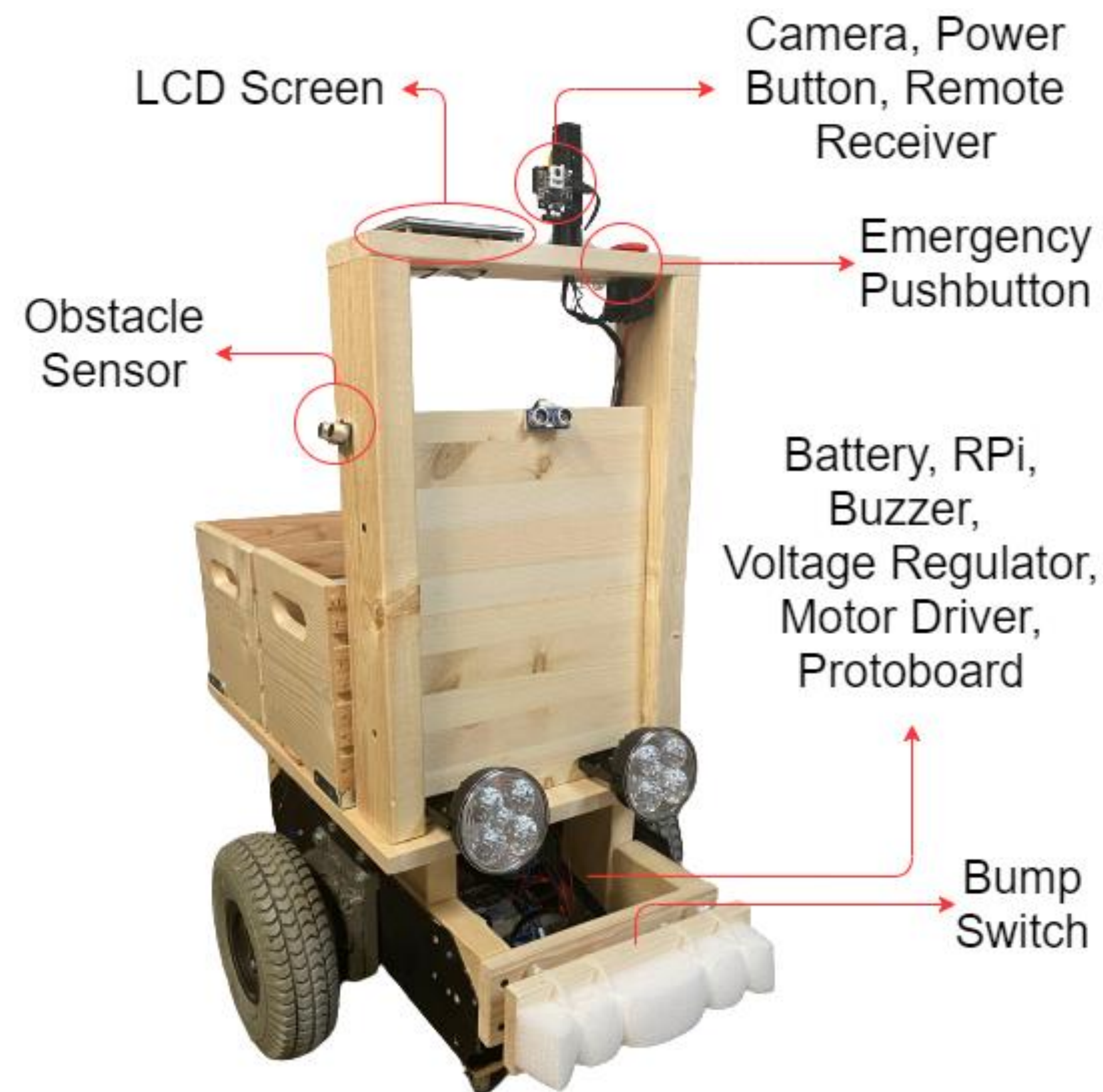
LCD interface

Computer vision

Flow Chart



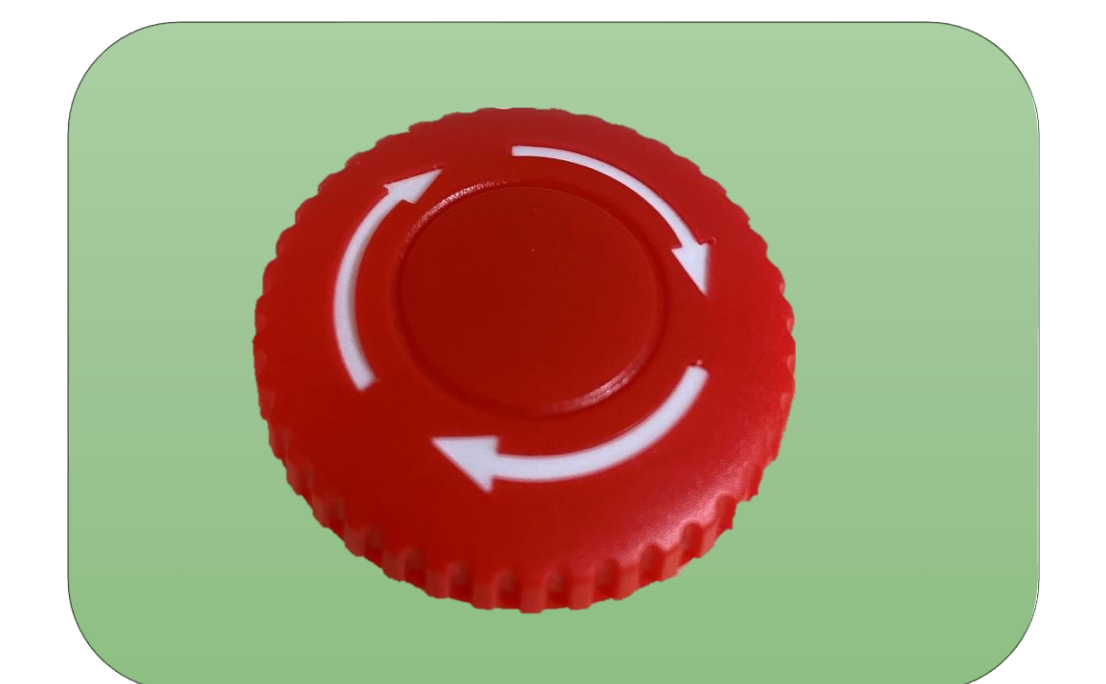
Physical Design



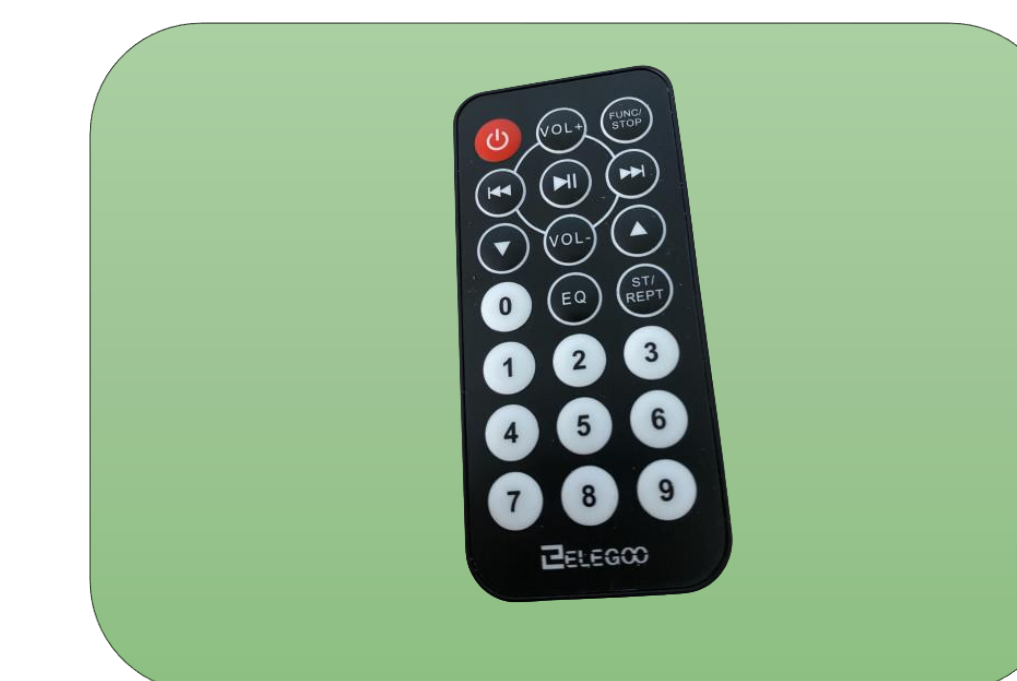
Safety Features



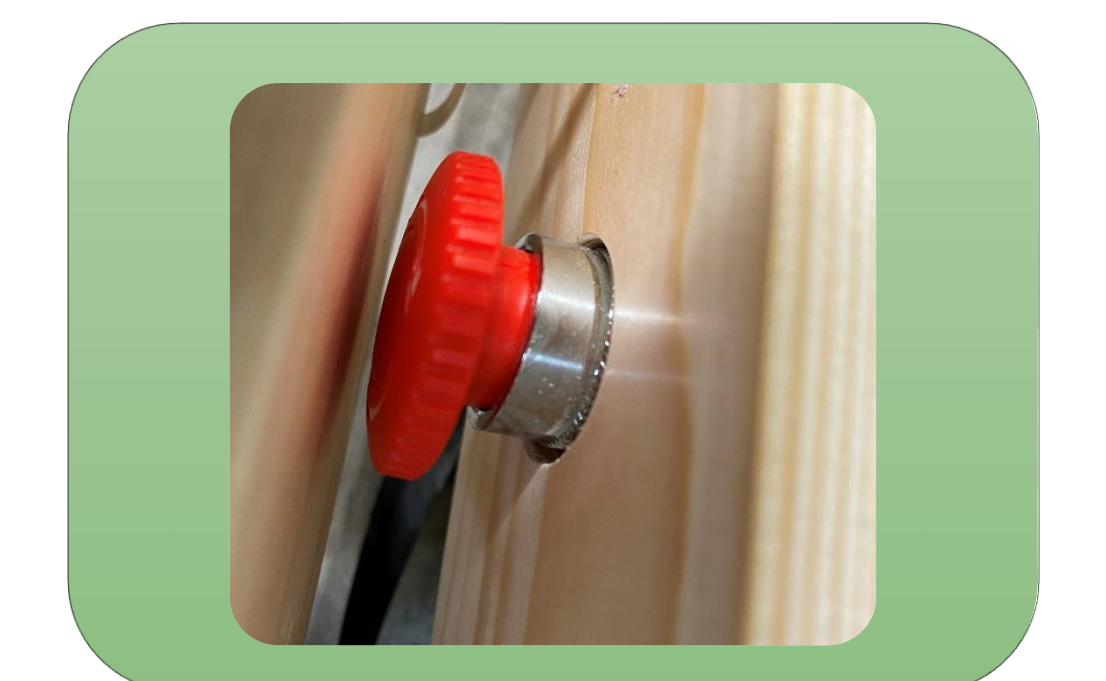
Obstacle Sensor



Emergency Pushbutton



Remote Control



Bump Switch

[Project Demo Video](#)

System Block Diagram

