

ME-134, Homework 1 – Jeremy Kanovsky

Bill of Materials:

- 1x Laser cut base plate
- 1x Laser cut top plate
- 2x 12V DC motors
- 1x Xbox Controller
- 1x Raspberry Pi Zero W
- 1x Motor Driver HAT
- 1x 12V LiPo Battery
- 2x Motor mounts
- 1x XT60 Battery Connector
- 2x 60mm Wheels
- 1x Castor Ball

Communication Scheme:

Xbox Controller →
Raspberry Pi via Bluetooth
Raspberry Pi →
Motor Driver via I²C

