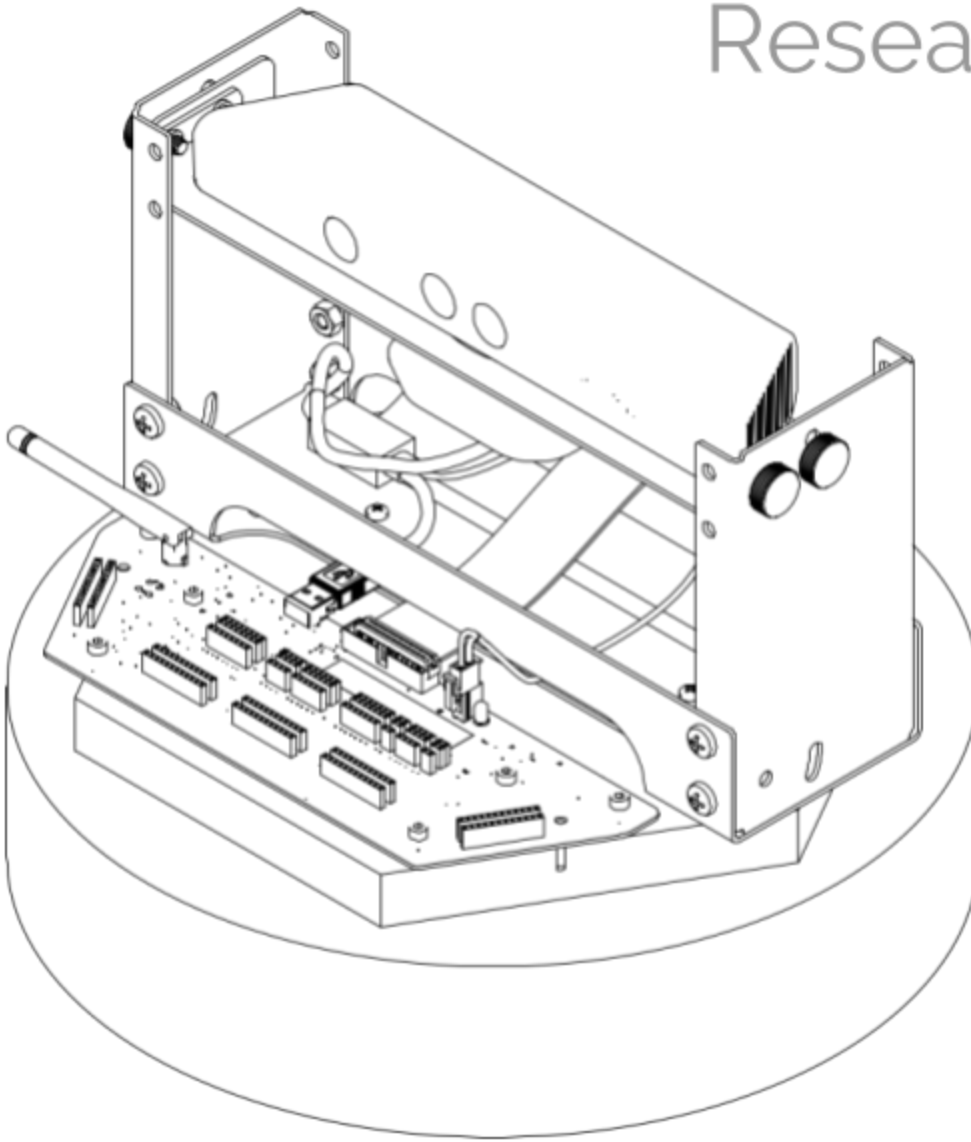


Autonomous Vehicles Research Studio



Guides and Resources: Basic IO - QBot 2

v 1.0 (June 2018)

What this series covers

This series presents details on basic IO with respect to the QBot 2. It will cover writing to the motors and LEDs, and reading from the onboard sensors and Kinect camera. Ensure that you have followed all the steps outlined in the [Research Studio Setup](#) documentation series, as well as understood the [Guides and Resources Hardware](#) series.

1. Motors
Writing commands to the QBot 2's motors
2. LEDs
Writing commands to the QBot 2's 2 user-programmable LEDs
3. Sensors
Reading data from the QBot 2's sensors
4. Cameras
Capturing images from the *Kinect RGB-D* camera.

Document	Completed
Motors	<input type="checkbox"/>
LEDs	<input type="checkbox"/>
Sensors	<input type="checkbox"/>
Cameras	<input type="checkbox"/>