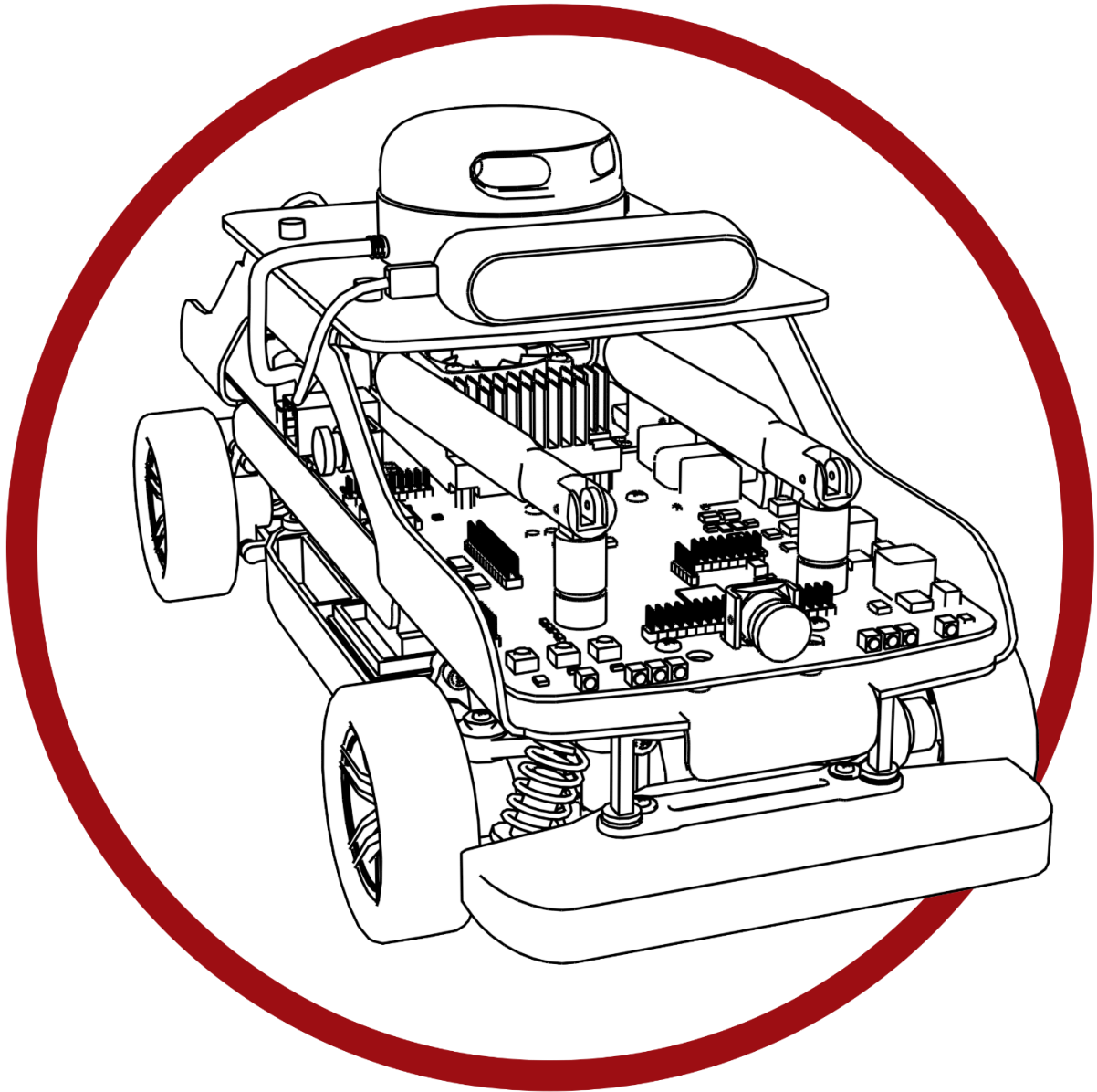# Self-Driving Car Research Studio

Change Log

Latest Documentation and Controllers

For the latest documentation and controllers, please visit Self-Driving Car Research Studio.

2020-11-20

- New change log.
- Updated documentation formatting and cover images.
- Relocated Quick Start Guide to the root folder.
- Updated charging instructions in the **II – Power** user guide to reflect the operation of the EV-Peak charger included with the QCar.
- Additional Simulink troubleshooting tips.

- A significant reorganization was made to the ROS content. All the common code has now been moved to the **Core Modules/ROS-Python** folder. The hardware tests and applications ROS folders now contain only the code applicable to the specific examples which is to be merged with the common code base as needed. All the ROS guides have been updated to reflect these changes.
- ROS C++ libraries have been added to **Core Modules/ROS-Cpp**. These libraries are intended for advanced users. No C++ examples have been included yet and technical support for these libraries will be limited.
- Added a ROS-to-ROS Communication document in the **Supporting Documentation** folder to guide users on creating a mixed ROS 1 & ROS 2 environment.

- The Simulink Manual Drive application example had incorrect board options preventing the model from running. The default options were restored. In addition, a pre-scaler was added to the throttle command to better map the joystick throttle to the motor voltage and make it easier to control.

- The Simulink Autonomous Driving application example had incorrect board options preventing the model from running. The default options were restored.

2020-11-04

- Bug fixes to ROS and python core module.

2020-10-23

- Added instructions to **III – Connectivity** for connecting to the QCar using VNC viewer.
- Added Simulink documentation and example for automated lane following
- Updated ROS documentation and example for running from a Windows PC and saving ROS info

2020-07-22

- First public release of the content material
- All Simulink beta code was updated to R2019a format and tested against QUARC 2020 SP1 (4.0.3123 – 2020-07-14)
- All Python examples were tested against Python 3.7
- All ROS examples were tested against Melodic

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